

RESEARCH PROJECTS AND PAPERS - A COMPILATION



**National Bureau of Agriculturally Important Insects
Bangalore 560 024, Karnataka, INDIA**





Research Projects and Papers
A Compilation
(Indian Council of Agricultural Research)

**The Research Projects
and
Papers Published**



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National Bureau of Agriculturally Important Insects

P. B. No. 2491, H. A. Farm Post, Hebbal,

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FOREWORD

Strategies for harnessing nature, conservation of natural resources and their utilisation have gained importance under the changing climatic conditions, for sustaining agricultural productivity without degrading the resource base and environment. In the arena of crop protection, the NBAII is a nodal institute for research and development on harnessing insect resources. The institute has 27 scientists with three divisions, *viz.*, Division of Insect Systematics, Division of Insect Ecology and Division of Molecular Entomology. The research programmes are focussed on collection, identification, characterisation of insects, conservation and utilisation of agriculturally important resources (including mites, spiders, other arthropods and microbials), their molecular characterization and generation of barcodes.

Biological control of crop pests and weeds, bioinformatics, technology dissemination with a component of human resource development and capacity building are the other areas addressed by the institute.

The institute has several success stories to its credit and made significant progress. The research projects handled and papers published in high impact factor journals are testimonies to the contributions made by the scientists. I compliment the scientists and the officer-in-charge, PME cell for bringing out this compilation.

(Abraham Verghese)

Dated the 1st August, 2014
Bangalore

PREFACE

The burgeoning population and the yawning gap between production and demand warranted integrated intensive farming systems to sustain agricultural productivity. The NBAII acts as a hub of network of institutions spread across the country to harness the biodiversity of beneficial insects and associated microorganisms for enhancing agricultural productivity.

The research programmes under NBAII are focussed on biosystematics, classical biological control of pests and weeds, maintenance of live insect and microbial germplasm developing protocols for providing insects and insect derived microbials, production and utilisation of beneficial macrobials and microbials, improved strains of parasitoids and predators, molecular characterisation, gene identification and developing barcodes and digitalised inventories of mandated organisms. The institute has been identified to serve as a repository for insects and insect derived resources.

The bureau has three divisions on Insect Systematics, Insect Ecology and Molecular Entomology. The institute with 27 scientists has made rapid strides in achieving the goals with 97 projects and 27 laterally funded projects over the years. Presently, there are three mega projects, 28 sub-projects and eight laterally funded projects.

More than 1200 research papers in 244 reputed journals, national and international with high impact factor and NAAS rating of more than 8 have been published till date. In addition several books, technical bulletins, book chapters were brought out by the scientists over the years.

The compilation presents the list of research projects handled and research papers published by the scientists till date depicting the pattern of publication and the numbers in peer reviewed journals. The Priority Setting, Monitoring and Evaluation cell thanks all the scientists for the information provided and the Director for the invaluable suggestions in bringing out this document.



(S. K. Jalali)

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Officer I/c PME cell

National Bureau of Agriculturally Important Insects
Bangalore

Dated the 1st August, 2014
Bangalore

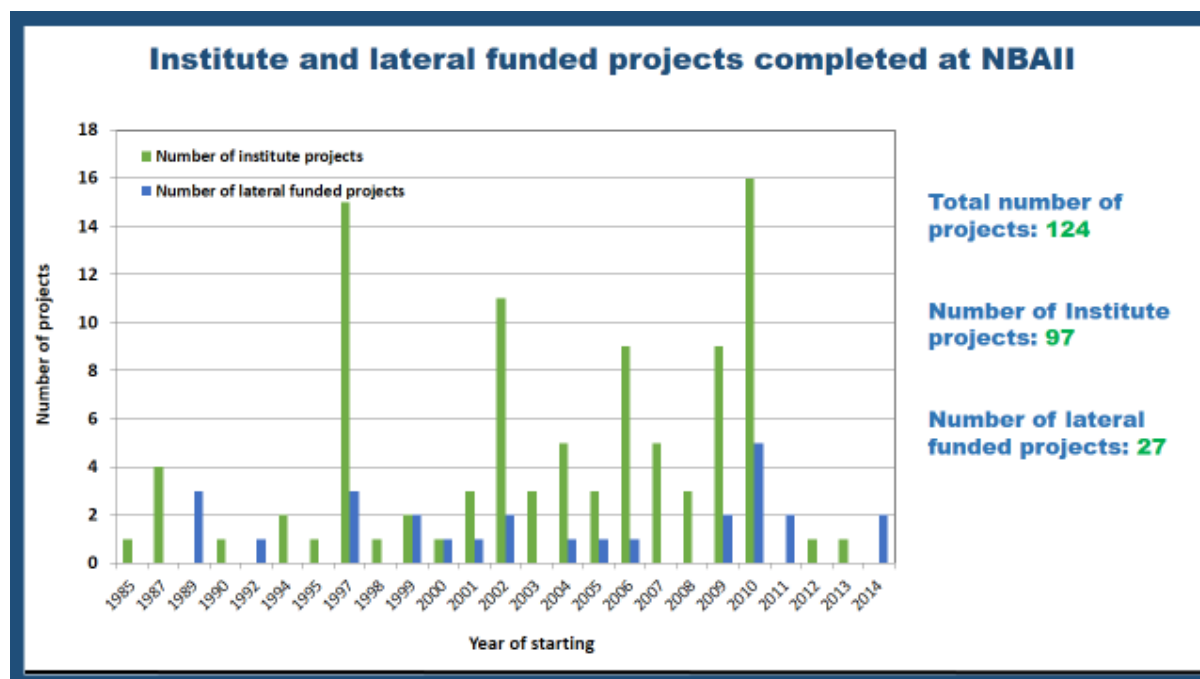
RESEARCH PROJECTS AND PAPERS A Compilation

Introduction:

The National Bureau of Agriculturally Important Insects (ICAR), Bangalore is a nodal Institute at national level devoted to research and development on all aspects of harnessing insect resources. NBAII focusses on research on identification and characterization of insects, research on biological control of crop pests and weeds, training, information repository, technology dissemination and national/international collaborative projects. The institute has three divisions, viz., Division of Insect Systematics, Division of Insect Ecology and Division of Molecular Entomology with 27 scientists (Director, 15 Principal scientists, six Senior scientists and five scientists), working for the collection, characterization, documentation, conservation, exchange and utilization of agriculturally important insect resources (including mites, spiders and related arthropods) aiming towards sustainable agriculture.

Research Projects:

The bureau has successfully completed 124 research projects (97 Institute projects and 27 laterally funded projects) till date and has 36 ongoing projects, of which 28 are ICAR funded projects, while eight are funded by other funding sources.





Divisions:

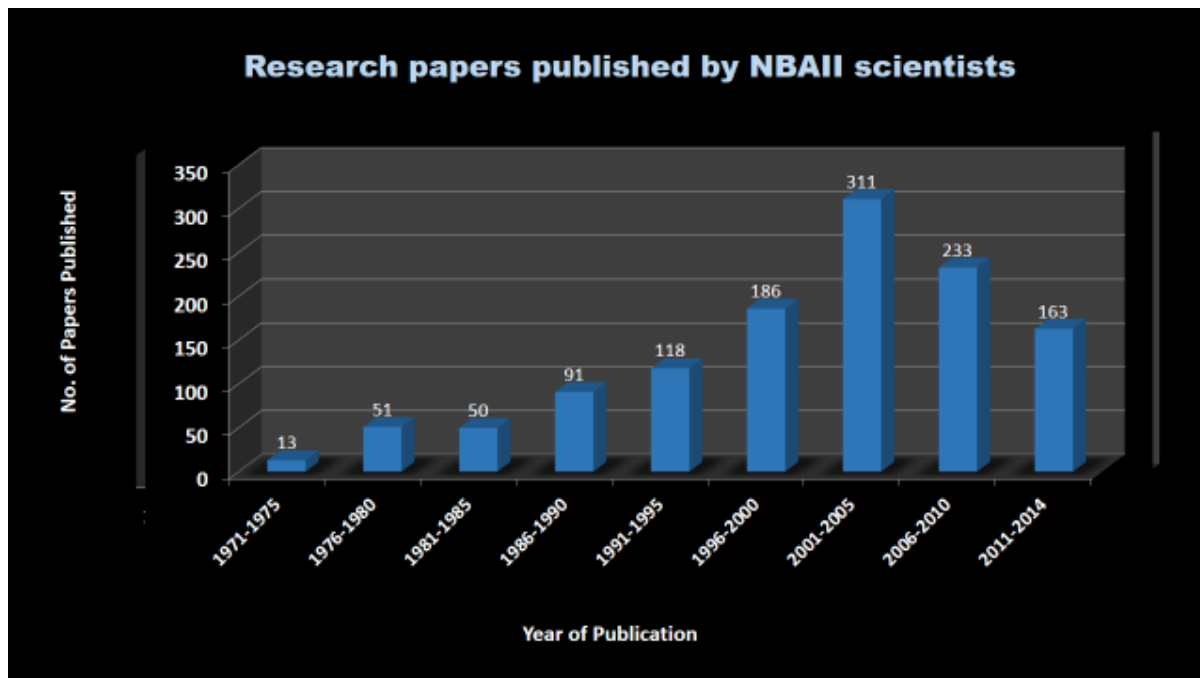
The Division of Insect Systematics focusses on augmentation and maintenance of collections, biosystematic studies on insects, spiders and mites, generation of checklists, catalogues, illustrated field identification guides and digitization of collections, databases, networking of institutions and individuals working on biosystematics and identification services.

The Division of Insect Ecology focusses on the utilization of agriculturally important arthropods and arthropod derived resources for the management of insect pests and development of protocols and designs for the mass production of live insects. The division also conducts basic studies on effect of climate change and role of semio-chemicals for insect pest management, role of pollinators in crop productivity and studies on virus-vector dynamics. Attempts on Classical biological control of invasives, biosecurity check and strategizing action-plans for possible invasives are additional mandates of the division.

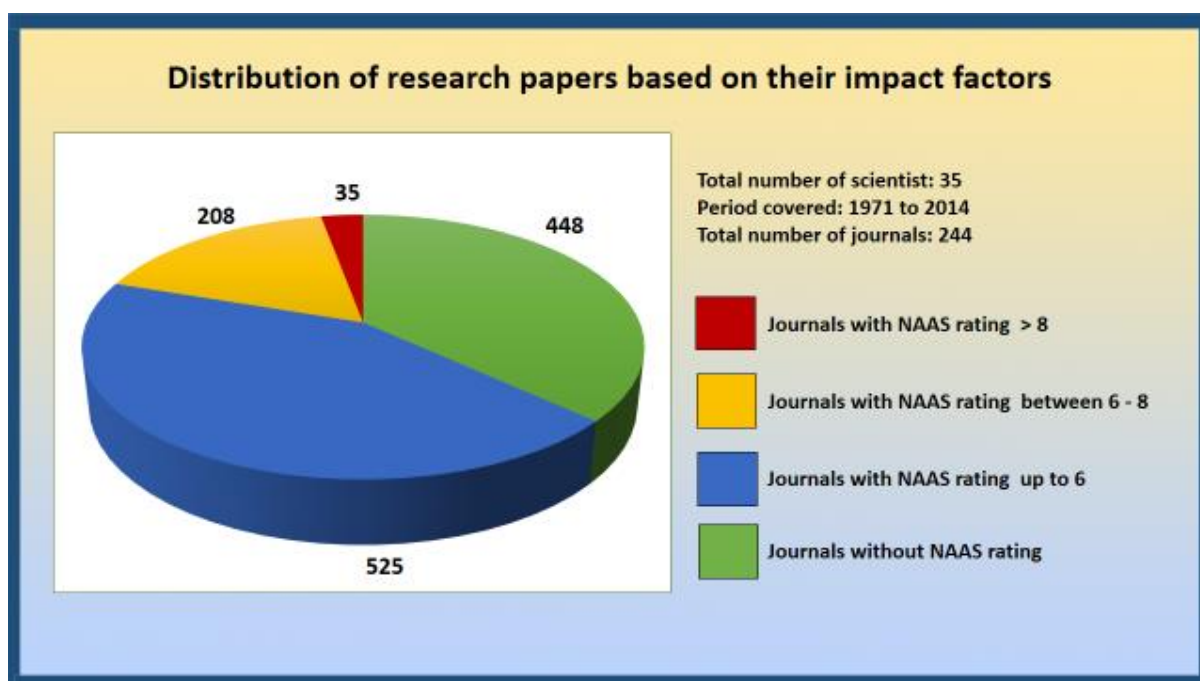
The Division of Molecular Entomology shoulders the responsibility of molecular characterization and DNA barcoding, whole genome sequencing of some important insects and entomopathogenic nematodes, gene and allele mining for the selection of genes of specific interest and their utilization, RNAi technology for IPM, genome sequence repository for useful genes, endosymbionts and determination of their functional role as well as the use of bioinformatics tools and development of genomic databases.

Research Papers:

Our scientists (including 11 retired scientists) have published more than 1200 research papers in 244 different reputed national and international Journals apart from being authors of several books, book chapters and technical bulletins.



Among the research papers published, 525 papers have a NAAS rating of up to 6; 208 have a rating ranging between 6-8, while more than 35 papers have the NAAS rating of more than 8.



List of journals in which the research papers are published:

Sl.No.	Name of the Journal	Numbers
1.	Acta Crystallographica-C	1
2.	Acta Entomologica Musei Nationalis Pragae	1
3.	Acta Horticulture	3
4.	African Journal of Agricultural Research	1
5.	African Journal of Biotechnology	1
6.	African Journal of Microbiology Research	1
7.	Agricultural Extension Review	1
8.	Agricultural Reviews	1
9.	Agriculture, Ecosystems and Environment	1
10.	Agrobios Newsletter	1
11.	Annales Zoologici	3
12.	Annals of Entomology	1
13.	Annals of Microbiology	4
14.	Annals of Plant Protection Sciences	27
15.	Antonie Van Leeuwenhoek	3
16.	Applied and Environmental Microbiology	1
17.	Applied Soil Ecology	1
18.	Archives of Phytopathology and Plant Protection	1
19.	Aroideana	1
20.	Biochemistry	1
21.	BioControl	11
22.	Biocontrol News and Information	4
23.	Biocontrol Science and Technology	7
24.	Bioinformation	1
25.	Biological Conservation	1
26.	Biological Control	3
27.	Biology and Fertility of Soils	2
28.	Biopesticides International	1
29.	Biosystematica	4
30.	Blumea	1

31.	Bugs 'R' All	1
32.	Bulletin of Entomological Research	1
33.	Bulletin of Entomology	4
34.	Bulletin of Grain Technology	1
35.	Bulletin of the Ethological Society of India	1
36.	Butterflies	1
37.	Canadian Journal of Microbiology	1
38.	Cashew	1
39.	Checklist	1
40.	Cheetal	1
41.	Commonwealth Biometry Crop Science	1
42.	Crop	1
43.	Crop Protection	10
44.	Current Biotica	1
45.	Current Microbiology	1
46.	Current Nematology	2
47.	Current Research	5
48.	Current Research, University of Agricultural Sciences, Bangalore	3
49.	Current Science	47
50.	Drakshavritta	5
51.	Egg Parasitoid News	1
52.	Entomofauna, Zeitschrift fur Entomologie	2
53.	Entomologia Experimentalis et Applicata	1
54.	Entomologia Generalis	1
55.	Entomological News	2
56.	Entomological Research	1
57.	Entomologicheskoe Obozrenie	1
58.	Entomologists' Monthly Magazine	1
59.	Entomon	71
60.	Experimental and Applied Acarology	1
61.	F. A. O. Plant Protection Bulletin	2
62.	Florida Entomologist	5

63.	Folia Microbiologica	1
64.	Global Journal of Biology, Agriculture and Health Sciences	1
65.	GM Crops	1
66.	Goirnale italiono di Entomologia	1
67.	Hexapoda	2
68.	Indian Coconut Journal	3
69.	Indian Farming	2
70.	Indian Horticulture	7
71.	Indian Journal of Agricultural Research	2
72.	Indian Journal of Agricultural Sciences	19
73.	Indian Journal of Applied Entomology	3
74.	Indian Journal of Behaviour	3
75.	Indian Journal of Biotechnology	1
76.	Indian Journal of Citriculture	1
77.	Indian Journal of Dryland Agriculture Research and Development	1
78.	Indian Journal of Ecology	3
79.	Indian Journal of Entomology	17
80.	Indian Journal of Experimental Biology	3
81.	Indian Journal Of Extension Education	3
82.	Indian Journal of Forestry	2
83.	Indian Journal of Fundamental and Applied Life Sciences	1
84.	Indian Journal of Genetics and Plant Breeding	2
85.	Indian Journal of Hill Farming	2
86.	Indian Journal of Horticulture	12
87.	Indian Journal of Microbiology	2
88.	Indian Journal of Nematology	17
89.	Indian Journal of Plant Pathology	1
90.	Indian Journal of Plant Protection	35
91.	Indian Journal of Poultry Science	1
92.	Indian Journal of Tropical Biodiversity	1
93.	Indian Journal of Virology	1
94.	Indian Perfumer	1

95.	Indian Phytopathology	7
96.	Indian Society of Cotton Improvement	1
97.	Indian Veterinary Journal	1
98.	Indian Veterinary Medical Journal	1
99.	Industrial Crops and Products	1
100.	Insect Environment	68
101.	Insect science and its Application	5
102.	Integrated Control in Protected Crops, Mediterranean Climate, IOBC - WPRS Bulletin	1
103.	International Journal of Acarology	1
104.	International Journal of Biodiversity and Conservation	1
105.	International Journal of Computer Applications	1
106.	International Journal of Current Microbiology and Applied Sciences	1
107.	International Journal of Engineering Research and Technology	1
108.	International Journal of Environmental Studies	1
109.	International Journal of Information Technology and Management Research	1
110.	International Journal of Nematology	3
111.	International Journal of Odontology	1
112.	International Journal of Pest Management	5
113.	International Journal of Tropical Agriculture	2
114.	International Journal of Tropical Insect Science	5
115.	International Journal of Tropical Plant Diseases	4
116.	International Journal on the Coconut R&D (CORD)	2
117.	International Pest Control	1
118.	International Rice Research Notes	1
119.	IOBC Plutella News Letter	1
120.	IOBC/WPRS Bulletin	1
121.	Journal of Acarology	1
122.	Journal of Advanced Zoology	1
123.	Journal of Andaman science Association	18
124.	Journal of Aphidology	3
125.	Journal of Applied Entomology	1
126.	Journal of Applied Zoological Researches	3

127.	Journal of Aquatic Plant Management	1
128.	Journal of Biological Control	173
129.	Journal of Biological Sciences	5
130.	Journal of Biopesticides	1
131.	Journal of Bombay Natural History Society	17
132.	Journal of Chemical Ecology	1
133.	Journal of Cotton Research and Development	1
134.	Journal of Ecofriendly Agriculture	2
135.	Journal of Entomological Research	31
136.	Journal of Entomological Society of Iran	1
137.	Journal of Entomology and Zoology studies	1
138.	Journal of Environmental Entomology	2
139.	Journal of Food Science	1
140.	Journal of Food, Agriculture and Environment	1
141.	Journal of Hill Research	8
142.	Journal of Horticultural Sciences	1
143.	Journal of Indian Academy of Wood Sciences	1
144.	Journal of Insect Conservation	1
145.	Journal of Insect Science	22
146.	Journal of Invertebrate Pathology	3
147.	Journal of Lepidopterists' Society	3
148.	Journal of Modern Science	1
149.	Journal of Mycology and Plant Pathology	13
150.	Journal of Natural History	3
151.	Journal of Ornamental Horticulture	3
152.	Journal of Pest Management and Applied Zoology	1
153.	Journal of Plant Biochemistry and Biotechnology	1
154.	Journal of Plant Diseases and Protection	1
155.	Journal of Plant Diseases Sciences	1
156.	Journal of Plant Protection Sciences	1
157.	Journal of Plantation Crops	14
158.	Journal of Pure and Applied Microbiology	1

159.	Journal of Research on Lepidoptera	2
160.	Journal of Root Crops	6
161.	Journal of Soil Biology and Ecology	3
162.	Journal of Spices and Aromatic Crops	3
163.	Journal of the Indian Potato Association	2
164.	Journal of the North-Eastern Council	1
165.	Journal of the Threatened Taxa	5
166.	Journal of Veterinary Parasitology	1
167.	Karnataka Journal of Agricultural Sciences	5
168.	Kubanska Selskokh Inst., Krasnodar	1
169.	Letters in Applied Microbiology	1
170.	Linzer biologische Beitrage	1
171.	Madras Agricultural Journal	5
172.	Malayan Nature Journal	4
173.	Microbiology (Mikrobiologia)	1
174.	Mushroom Research	1
175.	My Forest	3
176.	Mycobiology	1
177.	Mysore Journal of Agricultural Sciences	1
178.	Nachrichten des entomologischen Vereins Apollo N. F.	2
179.	National Journal of Plant Improvement	1
180.	Natural Enemies of Insects	1
181.	Nature Conservators	1
182.	Nematologia Mediterranea	14
183.	Nematology	3
184.	Newsletter for Birdwatchers	5
185.	Notulae Odonatologicae	1
186.	Oriental Insects	8
187.	Orissa Journal of Horticulture	3
188.	Oryza	2
189.	Pakistan Journal of Biological Sciences	3
190.	Pest Management and Economic Zoology	1

191.	Pest Management in Horticultural Ecosystems	88
192.	Pest Management Science	3
193.	Pesticide Biochemistry and Physiology	2
194.	Pesticide Research Journal	4
195.	Pesticides	8
196.	Pesticides World	1
197.	Pestology	23
198.	Phytoparasitica	3
199.	Plant and Soil	1
200.	Plant Disease	2
201.	Plant Disease Research	5
202.	Plant Growth Regulation	1
203.	Plant Protection Bulletin	3
204.	PLOS one	1
205.	Proceedings of the Indian Academie of Science	1
206.	Progressive Horticulture	2
207.	Prommalia	1
208.	Protein and Peptide Letters	1
209.	Protocol Exchange	1
210.	Raffles Bulletin of Entomology	1
211.	Raffles Bulletin of Zoology	1
212.	Research Journal of Microbiology	1
213.	Rice Biotechnology Quarterly	2
214.	Rodent News Letter	1
215.	Saudi Journal of Biological Sciences	1
216.	Science and Culture	2
217.	Scientific Reports	1
218.	Seed Research	3
219.	Seshaiyana	1
220.	Shashpa	8
221.	Silva's Newsletter	1
222.	South Indian Horticulture	1

223.	Systematic and Applied Acarology	2
224.	The Bioscan	1
225.	The Cashew	2
226.	The Entomologist	3
227.	The Indian Forester	2
228.	The Journal of the Lepidopterists' Society	1
229.	The Lal Bagh Journal	2
230.	The Scientific World Journal	1
231.	Transactions of Lepidopterists' Society of Japan	1
232.	Trends in Biosciences	3
233.	Trichogramma News	4
234.	Tropical Pest Management	3
235.	Trudi Kubasnk Selskokh, Institute, Krasnodar	1
236.	Uttar Pradesh Journal of Zoology	1
237.	Vegetable Science	12
238.	Vegetos	1
239.	Virus Research News	1
240.	World Journal of Microbiology and Biotechnology	2
241.	Zashchtina Rasteni	1
242.	Zeitschrift fur Angewandte Entomologie	3
243.	Zeitschrift fur Pflanzenkrankheiten and Pflanzenschutz	1
244.	Zootaxa	19

List of research papers published:

1. Ali Derakhshan, S. H., Rabindra, R. J. and Ramanujam, B. 2007. Efficacy of entomopathogenic fungi on *Brevicoryne brassicae* at different temperatures and humidities. *Journal of Biological Control*, **21**: 65-72.
2. Ali Derakhshan, S. H., Rabindra, R. J. and Ramanujam, B. 2007. Impact of the entomopathogenic fungus *Verticillium lecanii* on natural enemies of the cabbage aphid and beneficial insects. *Journal of Biological Control*. **21**(Special issue): 133-140.
3. Ali Derakhshan, S. H., Rabindra, R. J. and Ramanujam, B. 2008. Effect of storage conditions of formulations on viability of *Verticillium lecanii* (Zimmerman) Viegas and its virulence to *Brevicoryne brassicae* (L.). *Journal of Biological Sciences*, **8**: 495-501.
4. Ali Derakhshan, S. H., Rabindra, R. J., Ramanujam, B. and Rahimi, M. 2008. Evaluation of different media and methods of cultivation on the production and viability of entomopathogenic fungus, *Verticillium lecanii* (Zimm.) Viegas. *Pakistan Journal of Biological Sciences*, **11**: 1506-1509.
5. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2006. Comparative evaluation of yield productivity parameters of seven geographic isolates of nucleopolyhedrovirus of *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae). *Insect Environment*, **12**: 14-15.
6. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2007. Susceptibility of crude and semi-purified extracts of nucleopolyhedrovirus isolates of *Helicoverpa armigera* (Hubner) to simulated sunlight. *Journal of Biological Control*, **21**: 91-96.
7. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2009. Effect of vegetable oils on the yield of nucleopolyhedrovirus of *Helicoverpa armigera* (HearNPV). *Journal of Biological Control*, **23**: 295-300.
8. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2007. Standardization of mass production in three isolates of Nucleopolyhedrovirus of *Helicoverpa armigera* (Hubner). *Pakistan Journal of Biological Sciences*, **10**: 3992-3999.
9. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2007. Effect of natural sunlight on the activity of different geographic isolates of Nucleopolyhedrovirus of *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae). *Journal of Biological Control*, **21**: 235-240.
10. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2008. Evaluation of adjuvants for increased efficacy of HearNPV against *Helicoverpa armigera* (Hubner) using suntest machine. *Journal of Biological Sciences*, **8**: 534-541.
11. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2008. Management of *Helicoverpa armigera* (Hubner) using its nucleopolyhedrovirus (HearNPV) formulations applied by different methods on tomato. *Journal of Biological Control*, **23**: 145-150.
12. Ali Mehrvar, Rabindra, R. J., Veenakumari, K. and Narabanchi, G. B. 2008. Molecular and biological characteristics of some geographic isolates of nucleopolyhedrovirus of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae). *Journal of Entomological Society of Iran*, **28**: 39-60.
13. Ankita Gupta and Fernandez-Triana, J. L. 2014. Diversity, host association, and cocoon variability of reared Indian Microgastrinae (Hymenoptera: Braconidae). *Zootaxa*, **3800**: 1-101.
14. Ankita Gupta and Haldhar, S. M. 2012. Pupal parasitization of *Anaphaeis aurota* Fabricius (Lepidoptera: Pieridae) infesting *Capparis decidua* (Forsk.) by *Brachymeria albicrus* (Klug) (Hymenoptera: Chalcididae). *Journal of Biological Control*, **26**: 155-156.
15. Ankita Gupta and Joshi, S. 2013. Additions to the fauna of parasitic wasps (Hymenoptera: Chalcidoidea) and coccoids (Hemiptera: Coccoidea) from the Andaman and Nicobar Islands, India, with illustrations and diagnosis. *Journal of the threatened Taxa*, **5**: 4542-4555.
16. Ankita Gupta and Kalesh S. 2012. Reared parasitic wasps attacking hesperiids from Western Ghats (Kerala, India) with description of a new species of *Dolichogenidea* (Hymenoptera: Braconidae) as a larval parasitoid of *Thoressa evershedi* (Evans) (Lepidoptera: Hesperidae). *Zootaxa*, **3413**: 29-43.
17. Ankita Gupta and Lokhande, S. A. 2013. A new host record and a new combination in *Cotesia Cameron* (Hymenoptera: Braconidae) from India. *Journal of the Threatened Taxa*, **5**: 3678-3681.
18. Ankita Gupta and Manickavasagam, S. 2013. Taxonomic notes on a collection of Indian Eucharitidae (a family of ant parasitoids) with description of female of *Schizaspidia andamanensis* (Mani) from Andaman Islands, India. *Journal of Biological Control*, **27**: 73-80.

19. Ankita Gupta and Pereira, B. 2012. A new species of *Glyptapanteles* (Hymenoptera: Braconidae: Microgastrinae), a larval parasitoid of *Elymnias hypermnestra* (Linnaeus) (Lepidoptera: Nymphalidae), along with some new host records of parasitoids from Peninsular India. *Zootaxa*, **3227**: 54–63.
20. Ankita Gupta and Poorani, J. 2008. A new species of *Gonatocerus* Nees (Hymenoptera: Chalcidoidea: Mymaridae) from Karnataka, India. *Biosystematica*, **2**: 59-62.
21. Ankita Gupta and Poorani, J. 2008. Description of a new species of the genus *Caenohomalopoda* Tachikawa (Hymenoptera: Chalcidoidea: Encyrtidae) with a revised key to the world species. *Zootaxa*, **1933**: 59–62.
22. Ankita Gupta and Poorani, J. 2008. New distribution and host records of Chalcidoidea (Insecta: Hymenoptera) from various parts of India. *Checklist*, **4**: 410-414.
23. Ankita Gupta and Poorani, J. 2008. New distribution and host records of Chalcidoidea (Hymenoptera) from India. *Journal of Biological Control*, **22**: 261–266.
24. Ankita Gupta and Poorani, J. 2008. New record of *Comperiella indica* Ayyar (Hymenoptera: Encyrtidae) from *Coccus viridis* (Green) (Hemiptera: Coccidae). *Bugs 'R' All*, **16**: 15-16.
25. Ankita Gupta and Poorani, J. 2008. New records of Chalcidoidea (Hymenoptera) from Southern India. *Biosystematica*, **1**: 21–24.
26. Ankita Gupta and Poorani, J. 2009. Taxonomic studies on a collection of Chalcidoidea (Hymenoptera) from India with new distribution records. *Journal of the Threatened Taxa*, **1**: 300-304.
27. Ankita Gupta and Smetacek, P. 2011. A new larval host record for *Sphingomorpha chlorea* (Cramer) (Insecta: Lepidoptera: Noctuidae) from Karnataka, India. *Journal of threatened taxa. Journal of the Threatened Taxa*, **3**: 1553-1554.
28. Ankita Gupta and Veenakumari, K. 2011. A new record of *Chrysochalcissa oviceps* Boucek, 1978, (Hymenoptera: Torymidae) from eggs of Heteroptera from Karnataka, India. *Journal of Biological Control*, **25**: 148-149.
29. Ankita Gupta, Ghosh, A., Nesil Liz Baby and Jalali, S. K. 2011. Morphological and molecular characterization of *Apanteles mohandasi* Sumodan & Narendran (Hymenoptera: Braconidae), a solitary endoparasitoid of *Pammene critica* Meyrick (Lepidoptera: Tortricidae), with notes on biology from India. *Entomological News*, **122**: 354-365.
30. Ankita Gupta, Lokhande, S. A. and Soman, A. 2013. Parasitoids of Hesperidae from peninsular India with description of a new species of Dolichogenidea (Hymenoptera: Braconidae) parasitic on caterpillar of *Borbo cinnara* (Wallace) (Lepidoptera: Hesperidae). *Zootaxa*, **3701**: 277–290.
31. Ankita Gupta, Naveen Kumar, V. and Poorani, J. 2008. New record of *Psyllaephagus phyllopectae* Sushil & Khan (Hymenoptera: Chalcidoidea: Encyrtidae) from Karnataka, with notes on its taxonomy and host, *Megatrioza hirsuta* (Crawford) (Hemiptera: Triozidae). *Journal of the Threatened Taxa*, **1**: 174–176.
32. Ankita Gupta, Pereira, B. and Churi, P. V. 2011. Illustrated notes on some reared parasitic wasps (braconidae: microgastrinae) with new host and distribution records from India along with reassignment of *Glyptapanteles aristolochiae* (Wilkinson) as a new combination. *Entomological News*, **122**: 451-468.
33. Ankita Gupta, Pereira, B. and Churi, P. V. 2013. A new species of *Parapanteles* Ashmead (Hymenoptera: Braconidae) from India reared from *Abisara echeria* Stoll (Lepidoptera: Riodinidae) with key to the Indian *Parapanteles* species. *Zootaxa*, **3709**: 363–370.
34. Ankita Gupta, Sujayanand G. K., and Bakthavatsalam, N. 2013. Record of three larval parasitoids (Hymenoptera: Ichneumonidae) of *Maruca vitrata* (Fab.) (Lepidoptera: Crambiade) from southern India. *Journal of Biological Control*, **27**: 53-55.
35. Ankita Gupta. 2010. First record of *Brachymeria jambilana* Gahan (Hymenoptera: Chalcididae) as a pupal parasitoid of *Graphium doson* (C. & R. Felder) (Lepidoptera: Papilionidae). *Journal of Biological Control*, **24**: 363-365.
36. Ankita Gupta. 2013. Revision of the Indian *Microplitis* Foerster (Hymenoptera: Braconidae: Microgastrinae), with description of one new species. *Zootaxa*, **3620**: 429-452.
37. Ankita Gupta. 2013. Three new species of reared parasitic wasps (Hymenoptera: Braconidae: Microgastrinae) from India. *Zootaxa*, **3701**: 365-380.
38. Ansari, M. M., Veenakumari, K. and Bandyopadhyay, A. K. 1992. Out break of *Thosea andamanica* on coconut in Andaman Islands. *F.A.O. Plant Protection Bulletin*, **40**: 164-166.

39. Anuradha Sane, Ananda, K. S., Sampath Kumar, S. N., Sannamarappa, S. and Ramanujam, B. 2002. Yield performance of Arecanut (*Areca catechu* L.) varieties in maidan regions of Karnataka. *Journal of Plantation Crops*, **30**: 22-26.
40. Arabjafari, K. H. and Jalali, S. K. 2007. Identification and Analysis of Host Plant Resistance in Leading Maize Genotypes against Spotted Stem Borer, *Chilo Partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Pakistan Journal of Biological Sciences*, **10**: 1885-1895.
41. Arulmani, N., Sriram, S. and Rangeshwaran, R. 2013. Evaluation of diacetylphloroglucinol producing pseudomonads for their biocontrol potential against Ralstonia wilt in brinjal. *Journal of Biological Control*, **27**: 105-109.
42. Ashok Kumar, G., Jalali, S. K., Nagesh, M., Venkatesan, T. and Niranjana, P. 2009. Genetic variation in artificially selected strains of the egg parasitoid, *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) using RAPD analysis. *Journal of Biological Control*, **23**: 361-364.
43. Ashok Kumar, G., Jalali, S. K., Venkatesan T., Nagesh, M. and Lalitha, Y. 2008. Genetic improvement of egg parasitoid *Trichogramma chilonis* Ishii for combined tolerance to multiple insecticide and high temperature. *Journal of Biological Control*, **22**: 347-356.
44. Ashok Kumar, G., Jalali, S. K., Venkatesan T., Stouthamer, R., Niranjana, P. and Lalitha, Y. 2009. Internal transcribed spacer-2 restriction fragment length polymorphism (ITS-2-RFLP) tool to differentiate some exotic and indigeneous trichogrammatid egg parasitoids in India. *Biological Control*, **49**: 207-213.
45. Ashok Kumar, G., Srinivasa Naik, C. D., Prashanth Mohanraj, Rabindra, R. J. and Jalali, S. K. 2007. Sequencing of internal transcribed spacer 2 (ITS2) of *Ceratovacuna lanigera* Zehntner (Homoptera: Aphididae). *Journal of Biological Control*, **21**: 301-303.
46. Ashwitha, K., Rangeshwaran, R., Vajid, N. J., Sivakumar, G., Jalali, S. K., Rajalakshmi, K. And Manjunath, H. 2013. Characterization of abiotic stress tolerant *Pseudomonas* spp. occurring in Indian soils. *Journal of Biological Control*, **27**: 319-328.
47. Asokan, R., Krishna Kumar, N. K. and Verghese, A. 2007. Molecular identification of fruit flies, *Bactrocera* spp. (Diptera: Tephritidae) using mitochondrial cytochrome oxidase I. *Current Science*, **93**: 1668-1669.
48. Avasthi, K., Bhagat, D., Bal, C. R., Sharon, A., Yadav, U. and Maulik, P. R. 2003. Unusual molecular conformation in dissymmetric propylene-linker compounds containing pyrazolo [3,4-*d*] pyrimidine and phthalimide moieties. *Acta Crystallographica*, **C59**: 409.
49. Azad Thakur, N. S., Gitanjali Devi and Shylesha, A. N. 2005. Nematodes associated with vegetable crops in Ri-Bhoi district of Meghalaya. *Indian Journal of Nematology*, **35**: 217-218.
50. Backiyarani, S., Kurian, S. P., Joseph, R. A., Murugan, M. and Sivakumar, G. 2006. A bold capsuled cardamom variety PV 2 - suitable for Cardamom Hill Reserves of Kerala. *Indian Journal of Genetics and Plant Breeding*, **66**: 267-268.
51. Baitha, A., Jalali, S. K., Rabindra, R. J., Venkatesan, T. and Rao, N. S. 2003. Parasitising efficiency of egg parasitoid, *Trichogramma japonicum* at four temperature regimes. *Annals of Plant Protection Sciences*, **11**: 185-188.
52. Baitha, A., Jalali, S. K., Rabindra, R. J., Venkatesan, T. and Rao, N. S. 2003. Host preference of pupal parasitoid, *Tetrastichus howardi* (Olliff) (Hymenoptera: Eulopidae). *Journal of Entomological Research*, **27**: 293-296.
53. Baitha, A., Jalali, S. K., Rabindra, R. J., Venkatesan, T. and Rao, N. S. 2004. Parasitising efficiency of the pupal parasitoid, *Tetrastichus howardi* (Olliff) at different exposure periods. *Journal of Biological Control*, **18**: 65-68.
54. Baitha, A., Jalali, S. K., Rabindra, R. J., Venkatesan, T., Rao, N. S. and Lalitha, Y. 2004. Effect of parasitoid-host ratio on some biological attributes of *Tetrastichus howardi* (Olliff) (Hymenoptera: Eulophidae). *Entomon*, **29**: 125-128.
55. Bajpai, N. K., Ballal, C. R., Rao, N. S., Singh, S. P. and Bhaskaran, T. V. 2006. Competitive Interaction between two ichneumonid parasitoids of *Spodoptera litura*. *BioControl*, **51**: 419-438.
56. Bajpai, N. K., Ballal, C. R., Singh, S. P. and Rao, N. S. 2002. Preference of *Trichogramma chilonis* to *Helicoverpa armigera* in soybean ecosystem. *Indian Journal of Applied Entomology*, **16**: 35-37.
57. Bajpai, N. K., Ballal, C. R., Singh, S. P. and Srinivasan, R. 2002. Net house studies on performance of *Campoletis chlorideae* on *Helicoverpa armigera* larvae infesting chickpea. *Indian Journal of Applied Entomology*, **16**: 22-24.

58. Bakthavatalam, N., Ravi, G., Bhagat, D. and Tandon, P. L. 2011. Electrophysiological response of *Tetrastichus schoenobii* Ferriere (Hymenoptera: Eulophidae) an egg parasitoid of rice stem borer, *Scirpophaga incertulas* (Walker) (Lepidoptera: Crambidae) to the extracts of plants collected from rice ecosystem. *Journal of Biological Control*, **25**: 98-102.
59. Bakthavatsalam N., Sundararaju, D. and Bhat, P. S. 1993. Chemical control of tea mosquito bug in cashew with dust formulations. *The Cashew*, **7**: 12-13.
60. Bakthavatsalam, N. 1994. Chemical control of pod borer *Lambides boeticus* L on rainfed pea in Nagaland. *Pestology*, **18**: 18-19.
61. Bakthavatsalam, N. 1993. Chemical control of *Myllocerus* sp, citrus defoliator in Nagaland. *Pestology*, **18**: 14-19.
62. Bakthavatsalam, N. 1995. *Podagrion* sp. (Hymenoptera: Torymidae), an egg parasitoid of mantids in Nagaland. *Journal of Biological Control*, **9**: 130.
63. Bakthavatsalam, N. and Singh, S. P. 1996. L-tryptophan as an ovipositional attractant for *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). *Journal of Biological Control*, **10**: 21-27.
64. Bakthavatsalam, N. and Singh, S.P. 1999. Behavioural responses of larvae of *Chrysoperla carnea* (Stephens) to kairomones. *Journal of Insect Science*, **12**: 34-36.
65. Bakthavatsalam, N. and Sundararaju, D. 1990. Pathogenicity of *Oryctes* baculovirus to cashew stem and root borers. *Journal of Biological Control*, **4**: 127-129.
66. Bakthavatsalam, N. and Tandon, P. L. 2005. Interactions between plant chemicals and entomophages. *Pestology*, **29**: 17-31.
67. Bakthavatsalam, N. and Tandon, P. L. 2006. Influence of strain variation and kairomonal compounds on the parasitising efficiency of *Trichogramma chilonis*. *Journal of Biological Control*, **20**: 13-18.
68. Bakthavatsalam, N. and Tandon, P. L. 2006. Kairomones, their optimum concentrations, and application techniques to enhance the parasitization efficiency of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) *Journal of Biological Control*, **20**: 169-174.
69. Bakthavatsalam, N. and Tandon, P. L. 2007. Behaviour and Electrophysiological responses of *Chrysoperla carnea* (Stephens) to kairomones- acid hydrolysed/ oxidised L-tryptophan and its breakdown products. *Journal of Biological Control*, **21**(special issue): 79-84.
70. Bakthavatsalam, N., Singh, S. P., Pushpalatha, N. A. and Bhumannavar, B. S. 1995. Optimum dosage of *Corcyra* eggs for mass rearing of *Chrysoperla carnea* (Stephans) Neuroptera: Chrysopidae). *Journal of Insect Science*, **8**: 90-92.
71. Bakthavatsalam, N., Singh, S. P., Pushpalatha, N. A. and Bhumannavar, B. S. 1995. Optimum temperature for short term storage of eggs of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). *Journal of Biological Control*, **9**: 45-46.
72. Bakthavatsalam, N., Singh, S. P., Pushpalatha, N. A. and Bhumannavar, B. S. 1996. Comparative biology and feeding potential of four species of chrysopids (Neuroptera: Chrysopidae). *Hexapoda*, **8**: 45-53.
73. Bakthavatsalam, N., Singh, S. P., Pushpalatha, N. A. and Bhumannavar, B. S. 1994. Life tables of four species of chrysopids (Neuroptera: Chrysopidae). *Journal of Entomological Research*, **18**: 357-360.
74. Bakthavatsalam, N., Singh, S. P., Tandon, P. L., Chaudhary, M. and Preethi, S. 2000. Electrophysiological responses of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) to potential kairomones. *Journal of Entomological Research*, **24**: 109-114.
75. Bakthavatsalam, N., Singh, S. P., Tandon, P. L., Chaudhary, M. and Preethi, S. 2000. Synomone mediated behavioural responses of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) to cotton infested by *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae). *Journal of Biological Control*, **14**: 1-6.
76. Bakthavatsalam, N., Singh, S. P., Tandon, P. L., Chaudhary, M. and Preethi, S. 1999. Behavioural responses of key parasitoids of *Opisina arenosella* Walker (Lepidoptera: Noctuidae) to the kairomones. *Journal of Biological Control*, **3**: 7-14.
77. Bakthavatsalam, N., Sundararaju, D. and Bhat, P. S. 1993. Ovicidal activity and residual toxicity of certain insecticides to tea mosquito bug, *Helopeltis antonii* Signoret. *Pestology*, **7**: 14-19.
78. Bakthavatsalam, N., Tandon, P. L., Patil, S. B., Hugar, B. and Hosamani, A. 2007. Kairomone formulations as reinforcing agents for increasing abundance of *Chrysoperla carnea* (Stephens) in cotton ecosystem. *Journal of Biological Control*, **21**: 1-8.
79. Bakthavatsalam, N., Tandon, P.L. and Ballal, C. R. 2007. Behavioral responses of *Campoletis chloridae* (Ichneumonidae: Hymenoptera) to the kairomonal substances. *Journal of Entomological Research*, **31**: 217-223.

80. Bakthavatsalam, N., Vinutha, J., Ramakrishna, P., Ravindra, K. V. and Bhagat, D. 2013. Biology of *Helicoverpa armigera* (Hubner) reared on pigeon pea grown under elevated levels of carbon dioxide. *Journal of Insect Science*, **26**(special issue): 135-141.
81. Bakthavatsalam, N. 1991. Simulated stem damage and yield loss in wetland rice (*Oryza sativa*) in Nagaland. *Indian Journal of Agricultural Sciences*, **91**: 785-786.
82. Ballal, C. R. 2002. Note on egg parasitism by trichogrammatids in pigeonpea and quality control of mass reared trichogrammatids in India. *Egg Parasitoid News*, **14**: 3.
83. Ballal, C. R. and Kumar, P. 1989. Performance specifications of an introduced parasitoid, *Allorhogas pyralophagus* (Marsh) on different laboratory hosts. *Entomon*, **14**: 63-66.
84. Ballal, C. R. and Kumar, P. 1991. Differential response of *Allorhogas pyralophagus* (Hymenoptera: Braconidae) to various pesticides. *Indian Journal of Agricultural Sciences*, **61**: 78-79.
85. Ballal, C. R. and Kumar, P. 1991. Response of *Chelonus blackburni* to different ages and densities of potato tuber moth eggs. *BioControl*, **36**: 513-518.
86. Ballal, C. R. and Kumar, P. 1993. Host parasitoid interaction between *Chilo partellus* (Swinhoe) and *Allorhogas pyralophagus* Marsh. *Journal of Biological Control*, **7**: 72-74.
87. Ballal, C. R. and Kumar, P. 1995. Effect of low holding temperatures on mummies of *Copidosoma koehleri* Blanchard (Hymenoptera: Encyrtidae). *Journal of Biological Control*, **9**: 94-98.
88. Ballal, C. R. and Ramani, S. 1999. Fertility table for an exotic parasitoid, *Telenomus remus* Nixon (Hymenoptera: Scelionidae). *Journal of Biological Control*, **13**: 25-31.
89. Ballal, C. R. and Ramani, S. 2000. Cocoon production by host deprived parasitoid. *Insect Environment*, **6**: 7-8.
90. Ballal, C. R. and Singh, S. P. 1999. Host plant mediated orientational and ovipositional behavior of three species of chrysopids (Neuroptera: Chrysopidae). *Biological Control*, **16**: 47-53.
91. Ballal, C. R. and Singh, S. P. 2001. Effect of insecticide applications on the populations of *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) and natural enemies in sunflower ecosystem. *Entomon*, **26**(Spl. Issue): 37-42.
92. Ballal, C. R. and Singh, S. P. 2003. The effectiveness of *Trichogramma chilonis* Ishii, *Trichogramma pretiosum* Riley and *Trichogramma brasiliense* (Ashmead) (Hymenoptera: Trichogrammatidae) as parasitoids of *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae) on sunflower (*Helianthus annuus* L.) and redgram (*Cajanus cajan* (L.) Millsp.). *Biocontrol Science and Technology*, **13**: 231-240.
93. Ballal, C. R. and Singh, S. P. 2006. Effect of two host plants of *Helicoverpa armigera* (Hubner) on the feeding potential of three chrysopid predators – *Chrysoperla carnea* (Stephens), *Mallada boninensis* (Okamoto) and *Mallada astur* (Banks). *Entomon*, **31**: 113-119
94. Ballal, C. R., Gupta, T. and Joshi, S. 2012. Effect of different laboratory hosts on the fertility table parameters and continuous rearing of an anthocorid predator *Orius tantillus* (Motsch.). *Pest Management in Horticultural Ecosystems*, **18**: 24-28.
95. Ballal, C. R., Gupta, T. and Joshi, S. 2012. Morphometry and biology of a new anthocorid *Montandoniola indica*, a potential predator of *Gynaikothrips uzeli*. *Integrated Control in Protected Crops, Mediterranean Climate, IOBC - WPRS Bulletin*, **80**: 79-84.
96. Ballal, C. R., Gupta, T. and Joshi, S. 2012. Predatory potential of two indigenous anthocorid predators on *Phenacoccus solenopsis* Tinsley and *Paracoccus marginatus* Williams and Granara de Willink. *Journal of Biological Control*, **26**: 18-22.
97. Ballal, C. R., Gupta, T. and Joshi, S. 2012. Production protocols for and storage efficacy of an anthocorid predator *Cardiastethus exiguus* Poppius *Journal of Environmental Entomology*, **1**: 50-56.
98. Ballal, C. R., Gupta, T., Joshi, S. and Chandrashekhar, K. 2009. Evaluation of an anthocorid predator *Blaptostethus pallescens* against two-spotted spider mite *Tetranychus urticae*. *Integrated Control in Protected Crops. IOBC / WPRS Bulletin*, **49**: 127-132.
99. Ballal, C. R., Joshi, S. and Rao, N. S. 2000. Technique for segregating male and female *Campoletis chlorideae* at cocoon stage. *Pest Management in Horticultural Ecosystems*, **6**: 106-109.
100. Ballal, C. R., Kumar, P. and Ramani, S. 1995. Laboratory evaluation, storability and economics of an artificial diet for rearing *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Journal of Entomological Research*, **19**: 135-141.
101. Ballal, C. R., Lyla, K. R., Joshi, S. and Lakshmi, L. 2006. Appropriate packaging for transportation of *Telenomus remus* Nixon (Hymenoptera: Scelionidae) egg cards. *Journal of Biological Control*, **20**: 219-224.
102. Ballal, C. R., Singh, S. P., Jalali, S. K. and Kumar, P. 1989. Cold tolerance of cocoons of *Allorhogas pyralophagus* (Hym.: Braconidae). *BioControl*, **34**: 463-468.

103. Ballal, C. R., Singh, S. P., Jalali, S. K. and Kumar, P. 1989. Parasitising efficiency of *Chelonus blackburni* Cam. and *Copidosoma koehleri* Blanch. singly and in combination against the potato tuber moth. *Journal of Biological Control*, **3**: 4-6.
104. Ballal, C. R., Singh, S. P., Jalali, S. K. and Kumar, P. 1989. Plant effects on host parasitoid relations between *Spodoptera litura* (Fab.) and *Telenomus remus* Nixon. *Indian Journal of Plant Protection*, **17**: 97-99.
105. Ballal, C. R., Singh, S. P., Joshi, S. and Rao, N. S. 1998. Multicellular tray for rearing the larvae of *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae) *Entomon*, **23**: 307-312.
106. Ballal, C. R., Singh, S. P., Kumar, P. and Jalali, S. K. 1987. Preference of *Hyposoter didymator* (Thunberg) on *Spodoptera litura* on different host plants. *Journal of Biological Control*, **1**: 86-88.
107. Ballal, C. R., Singh, S. P., Kumar, P. and Jalali, S. K. 1988. A time-temperature schedule for terminating diapause in pre pupae of of *Cotesia kazak*. *Current Science*, **57**: 741-743.
108. Ballal, C. R., Singh, S. P., Poorani, J. and Gupta, T. 2003. Biology and rearing requirements of an anthocorid predator, *Blaptostethus pallescens* Poppius (Heteroptera: Anthocoridae). *Journal of Biological Control*, **17**: 29-33.
109. Ballal, C. R., Srinivasan, R. and Chandrashekhar B. 2005. Evaluation of quality of *Trichogramma chilonis* Ishii from different production units in India. *Journal of Biological Control*, **19**: 1-8.
110. Ballal, C. R., Srinivasan, R. and Jalali, S. K. 2009. Evaluation of an endosulfan tolerant strain of *Trichogramma chilonis* on cotton. *BioControl*, **54**: 723-732.
111. Basha, H., Hemannavar, V., Ramanujam, B., Rangeshwaran, R. and Sriram, S. 2010. Screening of chilli microflora and other biocontrol agents for their antagonistic effect on *Colletotrichum sp.* infecting chillies. *Journal of Plant Protection Sciences*, **2**: 38-44.
112. Belavadi, V. V. and Prashanth Mohanraj. 1996. Nesting behaviour of the black digger wasp, *Sphex argentatus* Fabricius 1787 (Hymenoptera: Sphecidae) in South India. *Journal of Natural History* (London), **30**: 127-134.
113. Bhagat, D. and Bakthavatsalam, N. 2012. Influence of rice cultivars on the parasitization efficiency of *Trichogramma chilonis* Ishii and *Trichogramma japonicum* Ashmead. *Journal of Biological Control*, **26**: 29-33.
114. Bhagat, D., Bakthavatsalam, N. and Vinutha, J. 2013. Effect of leaf volatiles of rice varieties on foraging behaviour of *Trichogramma* (Hymenoptera: Trichogrammatidae). *Journal of Insect Science*, **13**: 168-172.
115. Bhagat, D., Samanta, S. K. and Bhattacharya, S. 2013. Efficient Management of Fruit Pests by Pheromone Nanogels. *Scientific Reports*, **3**: 1294-1302.
116. Bhagat, D., Samanta, S. K. and Bhattacharya, S. 2013. Pheromone nanogels for efficient management of fruit flies. *Protocol Exchange*, (2013) doi:10.1038/protex.2013.034.
117. Bhat, M. N., Kumar, S., Singh, A. K., Chandra, S. and Shylesha, A. N. 1998. Neem formulation in management of insect infestation in cultivation of the oyster mushroom in Meghalaya. *Mushroom Research*, **7**: 51-52.
118. Bhumannavar, B. S. 1987. Evaluation of pyrethroid compounds against citrus leaf miner, *Phyllocnistis citrella* Stainton on coorg mandarin. *Entomon*, **12**: 183-185.
119. Bhumannavar, B. S. 1989. New records of insect pests of fruit crops in South Andaman. *Journal of Andaman Science Association*, **5**:127-131.
120. Bhumannavar, B. S. 1990. Further new records of insect pests on fruit crops in South Andaman. *Journal of Andaman Science Association*, **6**:122-126.
121. Bhumannavar, B. S. 1990. New records of insect pests of pulse and vegetable crops in South Andaman. *Journal of Andaman Science Association*, **6**: 19-23.
122. Bhumannavar, B. S. 1990. New records of some aphids, white flies and scale insects associated with crops in South Andaman. *Journal of Andaman Science Association*, **6**:169-170.
123. Bhumannavar, B. S. 1991. New record of *Homonoa permutata* Meyrick (Tortricidae: Lepidoptera) on fruit crops from South Andaman. *Entomon*, **16**: 335-336.
124. Bhumannavar, B. S. 1991. New records of Coleoptera from South Andaman. *Entomon*, **16**: 163-164.
125. Bhumannavar, B. S. 1991. New records of *Sorolopha archimedi* Meyr. on cinnamon and *Mehteria hemidoxa* (Meyr.) on betel vine in South Andaman. *Journal of Andaman Science Association*, **7**: 82-83.
126. Bhumannavar, B. S. 1991. Phytophagous insects on weeds in South Andaman. *Journal of Andaman Science Association*, **7**: 53-61.
127. Bhumannavar, B. S. 1992. Bio-agents of insect pests in South Andaman. *Journal of Andaman Science Association*, **8**: 158-160.

128. Bhumannavar, B. S. 1992. Further new records of insect pests on pulse and vegetable crops in South Andaman. *Journal of Andaman Science Association*, **8**: 74-78.
129. Bhumannavar, B. S. 1992. Record of *Citripestis eutrapphera* (Meyrick) (Pyrilidae: Lepidoptera) on *Mangifera andamanica* in India. *Journal of Bombay Natural History Society*, **88**: 299.
130. Bhumannavar, B. S. and Balasubramanian, C. 1998. Food consumption and utilization by the Mexican beetle, *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae) on *Parthenium hysterophorus* Linnaeus. *Journal of Biological Control*, **12**: 19-23.
131. Bhumannavar, B. S. and Jacob, T. K. 1990. *Psoraleococcus* nr. *multiporti* (Morrison) on mango in Andaman Island (India). *FAO Plant Protection Bulletin*, **37**: 134.
132. Bhumannavar, B. S. and Jacob, T. K. 1990. *Tirathaba mundella* Walker (Pyrilidae: Lepidoptera) - A new fruit borer of mango in South Andaman (India). *Entomon*, **15**: 286-287.
133. Bhumannavar, B. S. and Singh, S. P. 1983. Some observations on the biology and habits of orange shoot borer, *Oberea lateapicalis* Pic (Lamiidae: Coleoptera). *Entomon*, **8**: 331-336.
134. Bhumannavar, B. S. and Singh, S. P. 1983. Studies on population dynamics of citrus leaf-miner, *Phyllocnistis citrella* Stainton (Phyllocnistidae: Lepidoptera). *Entomon*, **8**: 397-400.
135. Bhumannavar, B. S. and Singh, S. P. 1986. Seasonal incidence and population of black citrus aphid, *Toxoptera aurantii* (B. de F.) on coorg mandarin. *Entomon*, **11**: 77-79.
136. Bhumannavar, B. S. and Singh, S. P. 1986. Studies on population dynamics of citrus psylla, *Diaphorina citri* Kuw. (Psyllidae: Homoptera). *Entomon*, **11**: 63-66.
137. Bhumannavar, B. S. and Singh, S. P. 1986. Studies on population dynamics of oriental red mite of citrus, *Eutetranychus orientalis* (Klein). *Entomon*, **11**: 223-226.
138. Bhumannavar, B. S. and Thontadarya, T. S. 1979. Effectiveness of different insecticides against safflower aphid, *Dactynotus compositae* Theobald (Aphididae: Homoptera) of safflower in Karnataka. *Pesticides*, **13**: 28-30.
139. Bhumannavar, B. S. and Thontadarya, T. S. 1979. Estimation of the safflower crop loss due to the aphid, *Dactynotus compositae* Theobald (Aphididae: Homoptera) under rainfed condition. *Pestology*, **3**: 18-19.
140. Bhumannavar, B. S. and Thontadarya, T. S. 1979. Seasonal incidence and population dynamics of safflower aphid, *Dactynotus compositae* Theobald (Aphididae: Homoptera) on safflower. *Pestology*, **3**: 25-28.
141. Bhumannavar, B. S. and Thontadarya, T. S. 1979. Varietal response of safflower (*Carthamus tinctorius* L.) to the aphid *Dactynotus compositae* Theobald (Aphididae: Homoptera). *Current Research*, **8**: 134-136.
142. Bhumannavar, B. S. and Thontadarya, T. S. 1981. Biology of the safflower aphid, *Dactynotus compositae* Theobald on safflower (*Carthamus tinctorius* L.) in Karnataka. *Journal of Entomological Research*, **5**: 163-168.
143. Bhumannavar, B. S. and Viraktamath, C. A. 2000. Biology and behaviour of *Euplectrus maternus* Bhatnagar (Hymenoptera: Eulophidae), an ectoparasitoid of *Othreis* spp. (Lepidoptera: Noctuidae) from southern India. *Pest management in Horticultural Ecosystems*, **6**: 1-14.
144. Bhumannavar, B. S. and Viraktamath, C. A. 2001. Biology, adult feeding, oviposition preference and seasonal incidence of *Othreis materna* (Linnaeus) (Lepidoptera: Noctuidae). *Entomon*, **27**: 63-77.
145. Bhumannavar, B. S. and Viraktamath, C. A. 2001. Larval host specificity, adult feeding and oviposition preference of the fruit piercing moth, *Othreis homaena* Hübner (Lepidoptera: Noctuidae) on different Menispermaceae host plants. *Journal of Entomological Research*, **25**: 165-181.
146. Bhumannavar, B. S. and Viraktamath, C. A. 2001. Proboscis morphology and nature of fruit damage in different fruit piercing moths (Lepidoptera: Noctuidae). *Pest management in Horticultural Ecosystems*, **7**: 28-40.
147. Bhumannavar, B. S. and Viraktamath, C. A. 2001. Rearing techniques for three species of *Othreis* (Lepidoptera: Noctuidae) and their ectoparasitoid, *Euplectrus maternus* Bhatnagar (Hymenoptera: Eulophidae). *Journal of Biological Control*, **15**: 189-192.
148. Bhumannavar, B. S. and Viraktamath, C. A. 2001. Seasonal incidence and extent of parasitisation of fruit piercing moths of the genus *Othreis* (Lepidoptera: Noctuidae). *Journal of Biological Control*, **15**: 31-38.
149. Bhumannavar, B. S. and Viraktamath, C. A. 2004. Larval host specificity, biology on different Menispermaceae and adult feeding preference of *Othreis fullonia* (Clerck) (Noctuidae) in South India. *Journal of Insect Science*, **17**: 28-34.

150. Bhumannavar, B. S., Balasubramanian, C. and Ramani, S. 1998. Life table of the Mexican beetle, *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae) on parthenium and sunflower. *Journal of Biological Control*, **12**: 101-106.
151. Bhumannavar, B. S., Ramani, S. and Rajeshwari, S. K. 2007. Field release and impact of *Cecidochares connexa* (Macquart) (Diptera: Tephritidae) on *Chromolaena odorata* (L.) King and Robinson. *Journal of Biological Control*, **21**: 59-64.
152. Bhumannavar, B. S., Ramani, S., Rajeshwari, S. K. and Chaubey, B. K. 2004. Host-specificity and biology of *Cecidochares connexa* (Macquart) (Diptera: Tephritidae) introduced into India for the biological suppression of *Chromolaena odorata* (Asteraceae). *Journal of Biological Control*, **18**: 111-120.
153. Bhumannavar, B. S., Singh, S. P. and Sulladmath, V. V. 1988. Evaluation of citrus germplasm for resistance to the oriental red mite, *Eutetranychus orientalis* (Klein) under tropical humid South Indian conditions. *Tropical Pest Management*, **34**: 193-198.
154. Bhumannavar, B. S., Singh, S. P. and Sulladmath, V. V. 1989. Field evaluation of citrus germplasm for resistance to the black aphid, *Toxoptera aurantii* (Boy.) under tropical humid South Indian conditions. *Insect Science and its Application*, **10**: 81-88.
155. Bhumannavar, B. S., Singh, S. P. and Sulladmath, V. V. 1994. Evaluation of citrus germplasm against the incidence of circular scale, *Chrysomphalus aonidium*. *Indian Journal of Agricultural Research*, **28**: 79-88.
156. Bhumannavar, B. S., Thontadarya, T. S. and Govindan R. 1979. Parasitization of the safflower aphid, *Dactynotus compositae* Theobald by an endoparasite, *Pseudendaphis* sp. (Cecidomyiidae: Diptera). *Current Research*, **8**: 173-174.
157. Biddappa, C. C., Palaniswami, C., Upadhyay, A. K. and Ramanujam, B. 1998. Comparison of techniques for organic manure production from plantation wastes. *Journal of Plantation Crops*, **26**: 120-126.
158. Biswas, D., Narayanan, K. and Chakraborty, M. 2003. Survey for natural enemies of *Galleria mellonella* and cross infectivity of its nucleopolyhedrovirus. *Entomon*, **28**: 179-183.
159. Chakraborty, M. and Narayanan, K. 2002. Cross infectivity of *Bombyx mori* nucleopolyhedrosis virus to the predator, *Chrysoperla carnea* (Stephens). *Insect Environment*, **8**: 175-176.
160. Chakraborty, M., Narayanan, K. and Sivaprakash, M. K. 2005. Enhancement of *Mythimna separata* nucleopolyhedrovirus infection with viral enhancing factor from *Spodoptera litura* granulovirus. *Biopesticides International*, **1**: 109-113.
161. Chakraborty, M., Narayanan, K., Suryanarayana, V. V. S. and Sivaprakash, M. K. 2005. Enhancement of nucleopolyhedrovirus of oriental armyworm, *Mythimna separata* (Lepidoptera: Noctuidae) using diamond shaped inclusion bodies of *Galleria mellonella* NPV (Lepidoptera: Pyralidae). *Entomon*, **30**: 343-346.
162. Chakravarthy, A. K., S. Subrahmanya and Verghese, A. 1981. Garden birds of Bangalore: An Introduction. *The Lalbagh Journal*. 26 (3): 1-8.
163. Charles, V., Puneeth, P., Vijayan, V. A. and Jalali, S. K. 2011. Genetic aspects of insecticide tolerance in *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) strains. *Journal of Biological Control*, **25**: 207-213.
164. Chatterjee, R. N., Ahlawat, S. P. S., Yadav, S. P., Senani, S., Kundu, A., Jeya Kumar, S., Saha, S. K., Sunder, J. and Bhagat, D. 2002. Comparative growth performance of Nicobari fowl and their cost effectiveness under backyard and intensive system. *Indian Journal of Poultry Science*, **37**: 63.
165. Chowdappa, P., Chandra Mohanan, R. and Ramanujam, B. 1993. Occurrence of *Phytophthora capsici* on cocoa in Kerala. *Indian Phytopathology*, **46**: 92-93.
166. Devi, P. S., Jalali, S. K. and Venkatesan, T. 2006. Inheritance of insecticides tolerance in resistant colonies of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae). *Indian Journal of Genetics and Plant Breeding*, **66**: 324-328.
167. Devi, P. S., Jalali, S. K. and Venkatesan, T. 2007. Evidence of cross-tolerance in newer insecticides tolerant strain of *Trichogramma chilonis* Ishii to other insecticides. *Indian Journal of Entomology*, **69**: 101-104.
168. Dhananjaya, P., Singh, R. P., Yandigeri, M. S. and Arora, D. K. 2011. Cyanobacteria-mediated phenylpropanoids and phytohormones in rice (*Oryza sativa*) enhance plant growth and stress tolerance. *Antonie van Leeuwenhoek*, **100**: 557-568 (DOI: 10.1007/s10482-011-9611-0).
169. Dhanya, K. P., Panda, M., Jalali, S. K., Krishna Kumar, N. K., Gandhi Gracy, R., Venkatesan, T. and Nagesh, M. 2013. *In-silico* docking studies on cytochrome P450 enzymes of *Helcioverpa*

- armigera* (Hubner) and *Trichogramma cacoeciae* Marchal and implications for insecticide detoxification. *Journal of Biological Control*, **27**: 1-9.
170. Dubey, R. P., Veenakumari, K. and Sharma, T. V. R. S. 1996. Evaluation of rice varieties for ratooning in Andaman Islands. *Journal of Andaman Science Association*, **12**: 65-66.
171. Ferkovich, S. M., Venkatesan, T., Shapiro, J. P. and Carpenter, J. E. 2007. Presentation of artificial diet: effects of composition and size of prey and diet domes on egg production by *Orius insidiosus* (Heteroptera: Anthocoridae). *Florida Entomologist*, **90**: 502-508.
172. Ganga Visalakshi, P. N., Krishnamoorthy, A. and Hussaini, S. S. 2009. Field efficacy of the entomopathogenic nematode *Steinernema carpocapsae* (Weiser, 1955) against brinjal shoot and fruit borer, *Leucinodes orbonalis* Guenee. *Nematologia Mediterranea*, **37**: 133-137.
173. Geetha, G. T., Nesil, L. B., Venkatesan, T., Verghese, A. 2013. Analysis of Opportunities and Challenges in Patenting of management of sucking pests like aphids, hoppers, whiteflies and thrips in agriculture and horticulture fields. *International Journal of Current Microbiology and Applied Sciences*, **2**: 164-173.
174. Ghanekar, A. M., Rao, G. V. R., Murthy, K. S., Surender, A. and Saheb, A. B. 1996. Seed Protectants for healthy exports. *Indian Journal of Plant Protection*, **24**: 37-43
175. Gitanjali and Shylesha, A. N. 2002. Medicinal plants of Meghalaya. *Journal of the North Eastern Council*, **22**: 33-35.
176. Gopalakrishnan, C. and Narayanan, K. 1988. Occurrence of two entomofungal pathogens, *Metarhizium anisopliae* (Metschnikoff) Sorokin var. minor Tulloch and *Nomuraea rileyi* (Farlow) Samson, on *Heliothis armigera* Hubner (Noctuidae: Lepidoptera). *Current Science*, **57**: 867-868.
177. Gopalakrishnan, C. and Narayanan, K. 1989. Epizootiology of *Nomuraea rileyi* (Farlow) Samson in field populations of *Helicoverpa* (= *Heliothis*) *armigera* (Hubner) in relation to three host plants. *Journal of Biological Control*, **3**: 50-52.
178. Gopalakrishnan, C. and Narayanan, K. 1989. Studies on the susceptibility of *Heliothis armigera* Hubner (Lepidoptera: Noctuidae) to the entomopathogenic fungus *Metarhizium anisopliae* (Metschnikoff) Sorokin var. *anisopliae* Tulloch. *Entomon*, **14**: 191-197.
179. Gopalakrishnan, C. and Narayanan, K. 1990. Studies on the dose-mortality relationship between the entomofungal pathogen *Beauveria bassiana* (Bals.) Vuillemin and *Heliothis armigera* Hubner (Lepidoptera: Noctuidae). *Journal of Biological Control*, **4**: 112-115.
180. Gopalakrishnan, C., Anusuya, D. and Narayanan, K. 1999. Cross infectivity of *Paecilomyces farinosus* (Holmskiold) Brown and Smith to major insect pests of cabbage. *Current Research University of Agricultural Sciences, Bangalore*, **28**: 101-103.
181. Gopalakrishnan, C., Anusuya, D. and Narayanan, K. 1999. *In-vitro* production of conidia of entomopathogenic fungus *Paecilomyces farinosus* (Holmskiold) Brown and Smith. *Entomon*, **24**: 389-392.
182. Gopalakrishnan, C., Anusuya, D. and Narayanan, K. 1999. Occurrence of entomopathogenic fungi *Paecilomyces farinosus* (Holmskiold) Brown and Smith and *Zoopthora radicans* (Brefeld) Batko in the field population of *Plutella xylostella* L. on cabbage. *Entomon*, **24**: 363-369.
183. Gopalakrishnan, C., Anusuya, D. and Narayanan, K. 2000. Susceptibility of *Plutella xylostella* to the entomopathogenic fungus, *Paecilomyces farinosus*. *Indian Journal of Agricultural Sciences*, **70**: 341-343.
184. Gopalakrishnan, C., Anusuya, D. and Narayanan, K. 2002. Effects of storage on virulence of *Paecilomyces farinosus* (Holmskiold) Brown and Smith against *Plutella xylostella* L. *Journal of Insect Science*, **15**: 24-26.
185. Gopalakrishnan, C., Narayanan, K. and Anusuya, D. 2002. Determination of LD50 and LT50 of *Paecilomyces farinosus* (Holmskiold) Brown and Smith on larval instars of *Plutella xylostella* L. *Entomon*, **27**: 249-254.
186. Gopalakrishnan, C., Ramanujam, B., Prasad, R. D., Rao, N. S. and Rabindra, R. J. 2003. Use of Brewery waste amended spent malt as substrate for mass production of *Trichoderma*. *Journal of Biological Control*, **17**: 167-170.
187. Gopalakrishnan, C., Ramanujam, B., Prasad, R. D., Rao, N. S. and Rabindra, R. J. 2003. Screening and selection of *Trichoderma* isolates for the control of cotton seed rot and damping off. *Journal of Biological Control*, **17**: 161-166.
188. Gopinatha, K. V., Ahmed, Z., Nanjegowda, D., Gowda, B., Nagesh, M. and Gowda, N. 2004. Histopathological observations of the roots of tomato infected with root-knot nematode, *Meloidogyne incognita*. *Indian Journal of Nematology*, **34**: 174-176.

189. Goudru, H. G., Kumar, S., Jayalakshmi, S. K., Ballal, C. R., Sharma, H. C. and Sreeramulu, K. 2013. Purification and characterization of prophenoloxidase from cotton bollworm, *Helicoverpa armigera*. *Entomological Research*, **43**: 55-62.
190. Govindarajan, R., Jayaraj, S. and Narayanan, K. 1975. Infection of the castor semi-looper, *Achoea janata* L. (Noctuidae: Lepidoptera), by *Serratia marcescens* Bizio. *Indian Journal of Agricultural Sciences*, **45**: 550-554.
191. Govindarajan, R., Jayaraj, S. and Narayanan, K. 1975. Observations on the nature of resistance in *Spodoptera litura* (F.) (Noctuidae: Lepidoptera) to infection by *Bacillus thuringiensis* Berliner. *Indian Journal of Experimental Biology*, **13**: 548-550.
192. Govindarajan, R., Jayaraj, S. and Narayanan, K. 1976. Mortality of the tobacco caterpillar, *Spodoptera litura* (F.), when treated with *Bacillus thuringiensis* combinations with boric acid and insecticides. *Phytoparasitica*, **4**: 193-196.
193. Govindarajan, R., Jayaraj, S. and Narayanan, K. 1976. Pathogenicity of *Serratia marcescens* Bizio in the tobacco caterpillar, *Spodoptera litura* (F.). *Indian Journal of Entomology*, **38**: 266-271.
194. Govindarajan, R., Jayaraj, S. and Narayanan, K. 1976. Studies on the effect of *Bacillus thuringiensis* Berliner on the castor semi-looper, *Achaea janata* L. (Noctuidae, Lepidoptera). *Zeitschrift fur Angewandte Entomologie*, **80**: 191-200.
195. Gracy, R. G., Shivalingaswamy, T. M., Satpathy, S and Rai, A. B. 2011. Okra shoot and fruit borer, *Earias vittella* (F.), a new host record for the egg parasitoid, *Trichogramma chilostraeae* Nagaraja & Nagarkatti from India. *Journal of Biological Control*, **25**:146-147.
196. Gujar, G. T., Kalia, V., Kumari, A., Singh, B. P., Mittal, A., Nai, R. and Mohan, M. 2007. *Helicoverpa armigera* baseline susceptibilities to *Bacillus thuringiensis* Cry toxins and resistance management for Bt cotton in India. *Journal of Invertebrate Pathology*, **95**: 215-219.
197. Gupta, T. and Ballal, C. R. 2006. Biology and feeding potential of an anthocorid predator, *Orius tantillus* (Heteroptera: Anthocoridae) on *Sitotroga cerealella*. *Indian Journal of Plant Protection*, **34**: 168-172.
198. Gupta, T. and Ballal, C. R. 2006. Biology and feeding potential of an anthocorid predator, *Orius tantillus* (Heteroptera: Anthocoridae) on *Sitotroga cerealella*. *Indian Journal of Plant Protection*, **34**: 168-172.
199. Gupta, T. and Ballal, C. R. 2007. Feeding preference of anthocorid predators for parasitised and unparasitised eggs. *Journal of Biological Control*, **21**: 73-78.
200. Gupta, T. and Ballal, C. R. 2009. Protocols for commercial production of *Orius tantillus* (Motschulsky) (Hemiptera: Anthocoridae). *Journal of Biological Control*, **23**: 385-391.
201. Gupta, T., Ballal, C. R. and Joshi, S. 2011. Preferential feeding of an anthocorid predator *Blaptostethus pallascens* on different stages of cotton mealybug. *Journal of Environmental Entomology*, **33**: 423-428.
202. Gupta, T., Ballal, C. R. and Joshi, S. 2011. Preferential feeding of an anthocorid predator *Blaptostethus pallascens* on different stages of cotton mealybug. *Natural Enemies of Insects* **4**: 423-428.
203. Guruprasad, N. M., Jalali, S. K. and Puttaraju, H. P. 2013. Wolbachia – a foe for mosquitoes? *Journal of Entomological Research*, **37**: 351-358.
204. Guruprasad, N. M., Jalali, S. K. and Puttaraju, H. P. 2013. Wolbachia infection frequency and phylogenetic affiliation of wolbachia cell division protein gene (*ftsZ*) in uzi fly *Exorista sorbillans* (Diptera: Tachinidae) of Karnataka (India). *Journal of Entomology and Zoology Studies*, **1**: 129-133.
205. Hanchinal, R. R., Goud, J. V., Habib, A. F. and Bhumannavar, B. S. 1976. Intraspecific and interspecific response of *Vigna* to pod borer, *Cydia ptychora* Meyr. (Tortricidae: Lepidoptera) *Current Research*, **5**: 154-156.
206. Hariprasad, L. U. and Venkatesan, T. 2006. Effect of adult nutrition on the parasitisation, fecundity and longevity of *Goniozus nephantidis* (Muesebeck), an important Parasitoid of coconut black-headed caterpillar. *Annals of Plant Protection Sciences*, **14**: 502-503.
207. Hayat, M. and Poorani, J. 2011. A new species of *Microterys* (Hymenoptera: Encyrtidae), parasitoid of *Chaetococcus* (Hemiptera: Pseudococcidae) from India. *Oriental Insects*, **45**: 176-180.
208. Hayat, M. and Poorani, J. 2012. A new encyrtid *Zaplatycerus notialis* (Hymenoptera: Chalcidoidea) from India, parasitic on mealybugs (Hemiptera: Pseudococcidae). *Oriental Insects*, **46**: 275-280.
209. Hayat, M. and Poorani, J. 2012. A new species of *Poropoea* Foerster (Hymenoptera: Trichogrammatidae) from India. *Oriental Insects*, **46**: 255-259.

210. Hayat, M., and Veenakumari, K. 2013. Encyrtidae (Hymenoptera: Chalcidoidea) from Andaman & Nicobar Islands, with description of a new genus and two new species. *Prommalia*, **1**: 98-113.
211. Hayat, M., Zeya, S. B. and Veenakumari, K. 2013. On some brachypterous Encyrtidae (Hymenoptera: Chalcidoidea) from India, with description of four new species. *Zootaxa*, **3716**: 259-276.
212. Hebbar, P., Berge, O., Heulin, T. and Singh, S. P. 1991. Bacterial antagonists of sunflower (*Helianthus annuus* L.) fungal pathogens. *Plant & Soil*, **133**: 131-140.
213. Hemalatha, B. N., Venkatesan, T., Jalali, S. K., Sriram, S. and Reetha, B. 2013. Molecular identification of yeast like microorganisms associated with field populations of aphid predator, *Chrysoperla zastrowi sillemi* (Esben-Petersen) (Neuroptera: Chrysopidae) and their role in fecundity. *Journal of Biological Control*, **27**: 176–183.
214. Hemalatha, B. N., Venkatesan, T., Jalali, S. K. and Reetha, B. 2014. Distribution and Characterization of microbial communities in *Chrysoperla zastrowi sillemi*, an important predator of sap sucking pests. *African Journal of Microbiology Research*, **8**: 1492-1500.
215. Hussaini, S. S. and Kiran Kumar, K. C. 2009. Interaction effect of *Heterorhabditis indica* and Arbuscular Mycorrhizal fungus, *Glomus intraradices* on the development and M., of *Meloidogyne incognita* in tomato. *Journal of Ecofriendly Agriculture*, **4**: 80-84.
216. Hussaini, S. S. and Kiran Kumar, K. C. 2009. Interaction effect of *Steinernema* spp. and Arbuscular Mycorrhizal fungus, *Glomus intraradices* on the development and reproduction of *Meloidogyne incognita* in tomato. *Trends in Biosciences*, **2**: 33-36.
217. Hussaini, S. S., Ansari, M. A., Ahmad, W. and Subbotin, S. A. 2001. Identification of some Indian populations of *Steinernema* species by RFLP analysis of the ITS region of r DNA. *International Journal of Nematology*, **11**: 73-76.
218. Hussaini, S. S., Kavita J. Satya and Abid Hussain, M. 2000. Mass production of a Native *Steinernema* sp.(SSL2) PDBCEN 13.21 (Nematoda: Steinernematidae) on different artificial media *Indian Journal of Plant Protection*, **28**: 94-96 .
219. Hussaini, S. S., Kavita J. Satya and Abid Hussain, M. 2001. Tolerance of Entomopathogenic nematode isolates to pesticides and their effect on multiplication *Current Nematology*, **12**: 29-34.
220. Hussaini, S. S., Nagesh, M. and Shakeela, V. 2004. Selection for high temperature tolerance in some native *Steinernema* and *Heterorhabditis* species. *Indian Journal of Nematology*, **34**: 185-192.
221. Hussaini, S. S., Nagesh, M. and Shakeela, V. 2005. Survival of infective juveniles of Entomopathogenic nematodes under storage and their infectivity against *Galleria mellonella* and *Spodoptera litura*. *Indian Journal of Plant Protection*, **33**: 68-71.
222. Hussaini, S. S., Nagesh, M. and Singh, S. P. 2002. Influence of total proteins and lipids of the host insect larvae on yield and infectivity of *Steinernema carpocapsae* Weiser and *Heterorhabditis indica* Poinar, Karunakar and David. *Pest Management in Horticulture Ecosystem*, **8**: 33-37.
223. Hussaini, S. S., Nagesh, M. and Singh, S. P. 2002. Isolation and characterization of symbiotic bacteria from *Heterorhabditis* spp. and *Steinernema carpocapsae* Weiser. *Pest Management in Horticulture Ecosystem*, **8**: 38-42.
224. Hussaini, S. S., Nagesh, M., Rajeshwari, R, and Dar, M. H. 2004. Formulations of host cadavers infected with indigenous *Heterorhabditis* spp. isolates. *Entomon*, **29**: 339-344.
225. Hussaini, S. S., Nagesh, M., Rajeshwari, R. and Dar, M. H. 2005. Field evaluation of entomopathogenic nematodes against white grubs (Coleoptera: Scarabaeidae) on turf grass in Srinagar. *Annals of Plant Protection Sciences*, **13**: 190-193.
226. Hussaini, S. S., Nagesh, M., Rajeshwari, R. and Dar, M. H. 2005. Effect of antidesiccants on survival and Pathogenicity of some indigenous isolates of EPN against *Plutella xylostella*. *Annals of Plant Protection Sciences*, **13**: 179-186.
227. Hussaini, S. S., Nagesh, M., Rajeshwari, R. and Dar, M. H. 2007. Effect of protein and lipid sources in the standard Wout's media on the *in vitro* production and pathogenicity of *Steinernema carpocapsae* and *S. tami*. *Indian Journal of Plant Protection*, **35**: 93-96.
228. Hussaini, S. S., Nagesh, M., Rajeshwari, R. and Fathima, S. 2004. Effect of pH on survival, pathogenicity and progeny production of some indigenous isolates of entomopathogenic nematodes. *Indian Journal of Nematology*, **34**: 169-173.
229. Hussaini, S. S., Nagesh, M., Rajeshwari, R. and Fathima, S. 2005. Effect of adjuvants on survival and Pathogenicity of some indigenous isolates of EPN. *Indian Journal of Plant Protection*, **32**: 111-114.

230. Hussaini, S. S., Nagesh, M., Rajeshwari, R., Dar, M. H. 2004. Formulation of host cadavers infected with indigenous *Heterorhabditis* spp. (Nematoda: Heterorhabditidae: Rhabditida) isolates. *Entomon*, **29**: 339-344.
231. Hussaini, S. S., Shakeela, V. and Kiran Kumar, K. C. 2010. Study of attraction behaviour of indigenous isolates of entomopathogenic nematodes using *Galleria mellonella*. *Indian Journal of Nematology*, **40**: 148-154.
232. Hussaini, S. S., Shakeela, V. and Krishnamurthy, D. V. 2008. Effect of entomopathogenic nematodes on invasion, development and reproduction of root knot nematode, *Meloidogyne incognita* in tomato. *Indian Journal of Plant Protection*, **36**: 114-120
233. Hussaini, S. S., Shakeela, V. and Sankaranarayanan, C. 2007. Bioefficiency and progeny production of some indigenous EPN isolates against lepidopteran insect pests. *Trends in Biosciences*, **1**: 13-17.
234. Hussaini, S. S., Shakeela, V. and Sankaranarayanan, C. 2008. Bioefficiency and progeny production of some entomopathogenic nematode isolates against lepidopteran insect pests. *Trends in Biosciences*, **1**: 13-17.
235. Hussaini, S. S., Shakeela, V., Krishnamurthy, D. V. and Kiran Kumar, K. C. 2008. Vertical movement of EPN as affected by *Meloidogyne incognita* (Kofoid and White) in different soil types. *Indian Journal of Nematology*, **38**: 203-208.
236. Hussaini, S. S., Singh, S. P. and Nagesh, M. 2002. *In-vitro* and field evaluation of some indigenous isolates of *Steinernema* and *Heterorhabditis indica* against shoot and fruit borer, *Leucinodes orbonalis*. *Indian Journal of Nematology*, **32**: 63-65.
237. Hussaini, S. S., Singh, S. P. and Parthasarathy, R. 2000. Storage effects on activity of native EPN populations. *Indian Journal of Nematology*, **30**: 225-264.
238. Hussaini, S. S., Singh, S. P. and Shakeela, V. 2001. Compatibility of entomopathogenic nematodes (Steinernematidae, Heterorhabditidae: Rhabditoidea) with selected pesticides and their influence on some biological traits. *Entomon*, **26**: 37-44.
239. Hussaini, S. S., Singh, S. P. and Shakeela, V. 2005. Influence of temperature on infectivity of entomopathogenic nematodes to black cutworm, *Agrotis ipsilon* (Hufnagel) larvae. *Journal of Biological Control*, **19**: 51-58.
240. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2000. Infectivity of native populations of *Steinernema* spp. and *Heterorhabditis indica* and in sand and sandy loam soil columns against *Agrotis ipsilon* (Hufnagel). *Annals of Plant Protection Sciences*, **8**: 200-205.
241. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2002. *In-vitro* production of entomopathogenic nematodes in different artificial media. *Indian Journal of Nematology*, **32**: 44-46.
242. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2001. Comparison of bioassays to measure the infectivity of native isolates of entomophilic nematodes against *Agrotis ipsilon* (Hufnagel) and *A. segetum* (Schiff). *Current Nematology*, **12**: 63-68.
243. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2000. Storage effects on activity of native EPN populations. *Indian Journal of Nematology*, **30**: 225-264.
244. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2000. Virulence of native entomopathogenic nematodes against black cutworm, *Agrotis ipsilon* (Hufnagel) and *A. segetum* (Lepidoptera: Noctuidae). *Indian Journal of Nematology*, **30**: 86-110.
245. Hussaini, S. S., Singh, S. P., Parthasarathy, R. and Shakeela, V. 2002. Determination of dosage levels of *Steinernema bicornutum* and *Heterorhabditis indica* (Rhabditida) for *in vitro* use against *Agrotis ipsilon* (Hufnagel) (Noctuidae: Lepidoptera). *Entomon*, **27**: 313-317.
246. Hussaini, S.S., Kavitha J. Satya and Abid Hussain, M. 2003. Survival and pathogenicity of indigenous entomopathogenic nematodes in different UV protectants. *Indian Journal of Plant Protection*, **31**: 12-18.
247. Jacob, T. K. and Bhumannavar, B. S. 1991. The coconut rhinoceros beetle, *Oryctes rhinoceros* L - its incidence and extent of palm damage in the Andaman and Nicobar Islands (India). *Tropical Pest Management*, **37**: 80-84.
248. Jacob, T. K., Veenakumari, K. and Bhumannavar, B. S. 2004. Insect pests of cashew in the Andaman Islands. *Cashew*, **18**: 25-28
249. Jai Sunder, Chatterjee, R. N., Rai, R. B., Ahlawat, S. P. S., Kundu, A., Senani, S., Saha, S. K., Yadav, S. P. and Bhagat, D. 2004. Outbreak of infectious bursal disease in poultry of A&N Islands. *Indian Veterinary Medical Journal*, **27**: 23.
250. Jalali, S. K. 2014. Effect of abiotic stresses in natural enemies of crop pests and mechanism of tolerance to these stresses. *Indian Farming*, **64**: 102-105.

251. Jalali, S. K. and Singh, S. P. 1989. A new method of *Corcyra cephalonica* Stainton moth collection. *Entomon*, **14**: 281-282.
252. Jalali, S. K. and Singh, S. P. 1989. Biotic potential of three coccinellid predators on various diaspine hosts. *Journal of Biological Control*, **3**: 20-23.
253. Jalali, S. K. and Singh, S. P. 1989. Release and recovery on an exotic coccinellid predator, *Curinus coeruleus* (Mulsant) on subabul psyllid, *Heteropsylla cubana* Crawford in India. *Journal of Insect Science*, **2**: 158-159.
254. Jalali, S. K. and Singh, S. P. 1990. A new record of *Ooencyrtus papilionis* Ashmead (Hymenoptera: Encyrtidae) on eggs of *Papilio demoleus* (Linn.) from India. *Journal of Biological Control*, **4**: 59-60.
255. Jalali, S. K. and Singh, S. P. 1990. Studies on optimum temperature for storage of *Sticholotis madagassa* Weise adults. *Journal of Biological Control*, **4**: 85-87.
256. Jalali, S. K. and Singh, S. P. 1992. Biology and feeding potential of *Curinus coeruleus* (Mulsant) and *Chrysoperla carnea* (Stephens) on subabul psyllid, *Heteropsylla cubana* Crawford. *Journal of Insect Science*, **5**: 89-90.
257. Jalali, S. K. and Singh, S. P. 1992. Differential response of four *Trichogramma* species to low temperatures for short term storage. *BioControl*, **37**: 67-73.
258. Jalali, S. K. and Singh, S. P. 1992. Effect of infestation of sorghum grains by different dosages of *Corcyra cephalonica* eggs on adult emergence pattern. *Entomon*, **17**: 117-120.
259. Jalali, S. K. and Singh, S. P. 1993. Life-table studies on *Curinus coeruleus* Mulsant, an exotic predator of *Heteropsylla cubana* Crawford. *Journal of Insect Science*, **6**: 281-282.
260. Jalali, S. K. and Singh, S. P. 1993. Superior strain selection of the egg parasitoid *Trichogramma chilonis* Ishii - Biological parameters. *Journal of Biological Control*, **7**: 57-60.
261. Jalali, S. K. and Singh, S. P. 1993. Susceptibility of various stages of *Trichogrammatoidea armigera* Nagaraja to some pesticides and effect of residues on survival and parasitising ability. *Biocontrol Science and Technology*, **3**: 21-27.
262. Jalali, S. K. and Singh, S. P. 1994. Effect of *Aphis gossypii* Glover number on *Mallada astur* (Banks) and *Cheilomenes sexmaculata* (Fabricius). *Biological Control*, **4**: 45-47.
263. Jalali, S. K. and Singh, S. P. 1995. Effect of pesticide on mortality and parasitizing ability of parasitoid *Aphytis* species of San Jose scale (*Quadrasiptus perniciosus*). *Indian Journal of Agricultural Sciences*, **65**: 617-620.
264. Jalali, S. K. and Singh, S. P. 2001. Distribution of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae) on fodder maize in different seasons in Bangalore. *Journal of Entomological Research*, **25**: 27-30.
265. Jalali, S. K. and Singh, S. P. 2001. Life table studies on the natural enemies of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Journal of Biological Control*, **15**: 113-117.
266. Jalali, S. K. and Singh, S. P. 2001. Residual toxicity of some insecticides to *Cheilomenes sexmaculata* (Fabricius). *Journal of Insect Science*, **14**: 80-82.
267. Jalali, S. K. and Singh, S. P. 2001. Studies on monitoring of *Chilo partellus* (Swinhoe) population during different seasons through pheromonal traps on fodder maize. *Indian Journal of Ecology*, **28**: 131-138.
268. Jalali, S. K. and Singh, S. P. 2001. Studies on the thermal requirements for estimating the number of generations of *Chilo partellus* (Swinhoe) and its natural enemies in the field. *Annals of Plant Protection Science*, **9**: 213-219.
269. Jalali, S. K. and Singh, S. P. 2002. Seasonal activity of stem borers and their natural enemies on fodder maize. *Entomon*, **27**: 137-146.
270. Jalali, S. K. and Singh, S. P. 2002. Selection and host age preference of natural enemies of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Pest Management and Economic Zoology*, **10**: 149-157.
271. Jalali, S. K. and Singh, S. P. 2003. Bio-ecology of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae) and evaluation of its natural enemies. *Agricultural Review*, **24**: 79-100.
272. Jalali, S. K. and Singh, S. P. 2003. Biological control of *Chilo partellus* (Swinhoe) in fodder maize by inundative releases of parasitoids. *Indian Journal of Plant Protection*, **31**: 93-95.
273. Jalali, S. K. and Singh, S. P. 2003. Determination of release rates of natural enemies for evolving bio-intensive management of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Shashpa*, **10**: 151-154.
274. Jalali, S. K. and Singh, S. P. 2003. Effect of neem product and bio-pesticides on egg parasitoid *Trichogramma chilonis* Ishii. *Journal of Applied Zoological Researches*, **14**: 125-128.

275. Jalali, S. K. and Singh, S. P. 2003. Insecticidal activity of *Bacillus thuringiensis* Berliner and *Beauveria bassiana* (Balsamo) Vuillemin formulations against maize stem borer, *Chilo partellus* (Swinhoe). *Annals of Plant Protection Sciences*, **11**: 1-6.
276. Jalali, S. K. and Singh, S. P. 2004. Effect of various neem products on survival and feeding capacity of *Chilo partellus* (Swinhoe) on maize. *Journal of Entomological Research*, **28**: 329-336.
277. Jalali, S. K. and Singh, S. P. 2006. Biological control of *Chilo partellus* using an egg parasitoid *Trichogramma chilonis* and *Bacillus thuringiensis*. *Indian Journal of Agricultural Research*, **40**: 184-189.
278. Jalali, S. K. and Singh, S. P. 2006. Temperature dependent developmental biology of maize stalk borer *Chilo partellus* (Swinhoe) and its natural enemies. *Indian Journal of Entomology*, **68**: 54-61.
279. Jalali, S. K., Murthy, K. S., Venkatesan, T., Lalitha, Y. and Devi, P. S. 2006. Adaptive increase in performance of *Trichogramma chilonis* Ishii at low temperature. *Annals of Plant Protection Sciences*, **14**: 5-7.
280. Jalali, S. K., Lalitha, Y., Kamath, S. P., Mohan, K. S. and Head, G. P. 2010. Baseline sensitivity of lepidopteran corn pests in India to Cry1Ab insecticidal protein of *Bacillus thuringiensis*. *Pest Management Science*, **66**: 809-815.
281. Jalali, S. K., Mohan, K. S., Singh, S. P., Manjunath, T. M. and Lalitha, Y. 2004. Baseline-susceptibility of the old-world bollworm, *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) populations from India to *Bacillus thuringiensis* Cry1Ac insecticidal protein. *Crop Protection*, **23**: 53-59.
282. Jalali, S. K., Murthy, K. S., Venkatesan, T., Lalitha, Y. and Devi, P. S. 2005. Preliminary testing of some new release methods for egg parasitoid *Trichogramma* spp. *Journal of Biological Control*, **19**: 99-103.
283. Jalali, S. K., Shivalingaswamy, T. M., Jency Jose and Bhatnagar, R. 2012. Diagnosis of baculoviral isolates in India and synthetic miRNA for larvicidal activity. *Virus Research News*, **1**: 4-5.
284. Jalali, S. K., Singh, S. P. and Ballal, C. R. 1987. Role of the host plants of *Spodoptera litura* (Fabricius) on the degree of parasitism by *Cotesia marginiventris* (Cresson) (Hymenoptera: Braconidae). *Indian Journal of Agricultural Sciences*, **57**: 676-678.
285. Jalali, S. K., Singh, S. P. and Ballal, C. R. 1987. Studies on host age preference and biology of exotic parasite, *Cotesia marginiventris* (Cresson) (Hymenoptera: Braconidae). *Entomon*, **12**: 59-62.
286. Jalali, S. K., Singh, S. P. and Ballal, C. R. 1988. Effect of parasitism by *Cotesia marginiventris* (Cresson) on consumption and utilisation of artificial diet by larvae of *Spodoptera litura* (Fabricius). *Indian Journal of Agricultural Sciences*, **58**: 529-532.
287. Jalali, S. K., Singh, S. P. and Biswas, S. R. 1999. Effect of temperature and female age on the development and progeny production of *Cryptolaemus montrouzieri* Mulsant (Coleoptera: Coccinellidae). *Entomon*, **24**: 293-296.
288. Jalali, S. K., Singh, S. P. and Biswas, S. R. 2000. Parasitisation behaviour of *Leptomastix dactylopii* Howard (Hymenoptera: Encyrtidae) at various densities of *Planococcus citri* Risso. *Journal of Entomological Research*, **24**: 159-162.
289. Jalali, S. K., Singh, S. P. and Biswas, S. R. 2000. Population dynamics of *Aphis gossypii* Glover (Homoptera: Aphididae) and its natural enemies in the cotton ecosystem. *Journal of Aphidology*, **14**: 25-32.
290. Jalali, S. K., Singh, S. P. and Tandon, P. L. 2003. Field life tables of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae). *Journal of Biological Control* **17**: 47-56.
291. Jalali, S. K., Singh, S. P. and Venkatesan, T. 2001. Choice of suitable trichogrammatid species for suppression of diamondback moth *Plutella xylostella* (Linnaeus) (Lepidoptera: Yponomeutidae) on cabbage. *Shashpa*, **8**: 161-166.
292. Jalali, S. K., Singh, S. P. and Venkatesan, T. 2002. Life-table characteristics of *Trichogrammatoidea bactrae* Nagaraja at various temperatures on eggs of *Plutella xylostella* (Linnaeus). *Pest Management in Horticultural Ecosystems*, **9**: 13-17.
293. Jalali, S. K., Singh, S. P. and Venkatesan, T. 2002. Selection of promising species of trichogrammatid egg parasitoid for field evaluation against coconut leaf eating caterpillar, *Opisina arenosella* Walker. *Journal of Plantation Crops*, **30**: 30-32.
294. Jalali, S. K., Singh, S. P. and Venkatesan, T. 2003. Natural enemies of cotton bollworms in sprayed fields in different states of India. *National Journal of Plant Improvement*, **5**: 31-33.
295. Jalali, S. K., Singh, S. P., Ballal, C. R. and Kumar, P. 1987. Effect of different insect eggs for rearing egg parasitoid, *Telenomus remus* (Hym.: Scelionidae). *Journal of Biological Control*, **1**: 138-140.

296. Jalali, S. K., Singh, S. P., Ballal, C. R. and Kumar, P. 1988. Competitive interaction between *Cotesia kazak* and *Hyposoter didymator*, exotic parasitoids of *Heliothis armigera*. *Entomologia Experimentalis et Applicata*, **46**: 221-225.
297. Jalali, S. K., Singh, S. P., Ballal, C. R. and Kumar, P. 1990. Response of *Cotesia marginiventria* (Cresson) (Hymenoptera: Braconidae) to low temperature in relation to its Biotic potential. *Entomon*, **15**: 217-220.
298. Jalali, S. K., Singh, S. P., Kumar, P. and Ballal, C. R. 1988. Host and host age preference by exotic parasitoid, *Cotesia kazak* Telenga. *Journal of Biological Control*, **2**: 50-51.
299. Jalali, S. K., Singh, S. P., Kumar, P. and Ballal, C. R. 1988. Influence of food plants on the degree of parasitism of larvae of *Heliothis armigera* (Hb.) by *Cotesia kazak* Telenga. *BioControl*, **33**: 65-71.
300. Jalali, S. K., Singh, S. P., Kumar, P. and Ballal, C. R. 1989. New record of hyperparasitoids on *Campoletis chlorideae* Uchida and *Eucelatoria brynai* Sabros parasitising *Heliothis armigera* (Hb.) on tomato. *Current Science*, **58**: 326-327.
301. Jalali, S. K., Singh, S. P., Venkatesan, T., Murthy, K. S. and Lalitha, Y. 2006. Development of endosulfan tolerant strain of an egg parasitoid *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae). *Indian Journal of Experimental Biology*, **44**: 584-590.
302. Jalali, S. K., Venkatesan, T., Murthy, K. S. and Lalitha, Y. 2004. Influence of temperature and dosages on parasitising ability of *Trichogrammatoidea bactrae* on *Plutella xylostella* eggs. *Annals of Plant Protection Sciences*, **12**: 425-426.
303. Jalali, S. K., Venkatesan, T., Murthy, K. S. and Lalitha, Y. 2005. Preliminary attempt at biological control of coconut leaf eating caterpillar, *Opisina arenosella* Walker using two *Trichogramma* species. *CORD, International Journal on Coconut R & D*, **21**: 1-6.
304. Jalali, S. K., Venkatesan, T., Murthy, K. S., Biswas, S. R. and Lalitha, Y. 2005. Influence of temperature and host density on functional response of *Telenomus remus* Nixon, an egg parasitoid of *Spodoptera litura* Fabricius. *Entomon*, **30**: 193-199.
305. Jalali, S. K., Venkatesan, T., Murthy, K. S., Rabindra, R. J. and Lalitha, Y. 2007. Vacuum packaging of *Corcyra cephalonica* (Stainton) eggs to enhance shelf life for parasitization by the egg parasitoid *Trichogramma chilonis*. *Biological Control*, **41**: 64-67.
306. Jalali, S. K., Venkatesan, T., Murthy, K. S., Rabindra, R. J., Lalitha, Y., Udikeri, S. S., Bheemanna, M., Sreenivas, A. G., Balagurunathan, R. and Yadav, D. N. 2006. Field efficacy of multiple insecticides tolerant strain of *Trichogramma chilonis* Ishii against American bollworm, *Helicoverpa armigera* (Hübner) on cotton. *Indian Journal of Plant Protection*, **34**: 173-180.
307. Jalali, S. K. and Singh, S. P. 2001. Distribution of *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae) on fodder maize in different seasons in Bangalore. *Journal of Entomological Research*, **25**: 27-30.
308. Jalali, S. K. and Singh, S. P. 2001. Maize stalk borer *Chilo partellus* Swinhoe and its management in fodder maize. *Indian Farming*, **51**: 17-19.
309. Jalali, S. K. and Singh, S. P. 2001. Studies on monitoring of *Chilo partellus* (Swinhoe) population during different seasons through pheromone traps on fodder maize *Indian Journal of Ecology*, **28**: 131-138.
310. Jayanthi, P. D. K., Rajinikanth, R., Sangeetha, P., Ravishankar, K. V., Arthikirubha, A., Devithangam, S. and Verghese, A. 2012. Rapid isolation of high molecular weight DNA from single dry preserved adult beetle of *Cryptolaemus montrouzieri* for polymerase chain reaction (PCR) amplification. *African Journal of Biotechnology*, **11**: 15654-15657.
311. Jayanthi, P. D. K. and Verghese A. 2011. Host-plant phenology and weather based forecasting models for population prediction of the oriental fruit fly, *Bactrocera dorsalis* (Hendel), *Crop Protection*, **30**:1557-1562.
312. Jayanthi, P. D. K. and Verghese, A. 1998. Hourly trap catch of the mango fruit fly (*Bactrocera dorsalis* Hendel) using methyl eugenol bottle trap. *Insect Environment*, **4**: 60.
313. Jayanthi, P. D. K. and Verghese, A. 1999. Comparative safety of selected insecticides to *Distatrix papilionis* (Viereck) (Braconidae: Hymenoptera), a parasitoid on citrus butterfly. *Pest Management in Horticultural Ecosystems*, **5**: 92-98.
314. Jayanthi, P. D. K. and Verghese, A. 1999. Report of the occurrence of banana weevils in Bangalore. *Insect Environment*, **4**: 153.
315. Jayanthi, P. D. K. and Verghese, A. 2000. Evidence of cannibalism in grubs of *Odoiporus longicollis* (Oliver). *Insect Environment*, **5**: 148.
316. Jayanthi, P. D. K. and Verghese, A. 2000. Mango fruit fly, *Bactrocera dorsalis* (Hendel) prefers moist soil for pupation. *Insect Environment*, **6**: 99.

317. Jayanthi, P. D. K. and Verghese, A. 2002. A simple and cost-effective mass rearing technique for the tephritid fruitfly, *Bactrocera dorsalis* (Hendel). *Current Science*, **82**: 266-268.
318. Jayanthi, P. D. K. and Verghese, A. 2003. Calendar of seasonal incidence and pest-vigil for major sapota pest. *Pest Management in Horticultural Ecosystems*, **9**: 97-102.
319. Jayanthi, P. D. K. and Verghese, A. 2004. Efficacy of new insecticides and neem formulations in the management of the citrus leaf miner, *Phyllocnistis citrella* Stainton (Phyllocnistidae: Lepidoptera). *Entomon*, **29**: 45-50.
320. Jayanthi, P. D. K. and Verghese, A. 2007. Management of tea mosquito bug, *Helopeltis antonii* Sign. using neem seed kernel spray in guava crop. *Journal of Entomological Research*, **31**: 15-18.
321. Jayanthi, P. D. K. and Verghese, A. 2007. Synergistic effect of insecticide-botanical mixtures on citrus leaf miner, *Phyllocnistis citrella* Stainton. *Pest Management in Horticultural Ecosystems*, **13**: 128-133.
322. Jayanthi, P. D. K. and Verghese, A. 2008. Relationship between weather parameters and Thrips, *Scirtothrips dorsalis* Hood on Pomegranate shoots. *Insect Environment*, **14**: 39-40.
323. Jayanthi, P. D. K. and Verghese, A. 2008. Studies on differential susceptibility of selected polyembryonic varieties of mango to Oriental Fruit Fly, *Bactrocera dorsalis* (Hendel). *Pest Management in Horticultural Ecosystems*, **14**: 20-29.
324. Jayanthi, P. D. K. and Verghese, A. 2009. Incidence of Pyralid Fruit Borer, *Heterographis bengalella* (Ragonot) on Custard Apple, *Annona squamosa* L. *Insect Environment*, **15**: 15-16.
325. Jayanthi, P. D. K. and Verghese, A. 2009. Phototactic response of sapota seed borer, *Trymalitis margaritas* Meyrick. *Pest Management in Horticultural Ecosystems*, **15**: 68-69.
326. Jayanthi, P. D. K. and Verghese, A. 2010. Establishment of sapota seed borer, *Trymalitis margaritas* Meyrick, an invasive species in India: Exigencies involved in limiting the spread. *Karnataka Journal of Agriculture Science*, **23**: 165.
327. Jayanthi, P. D. K. and Verghese, A. 2010. Natural parasitization of larvae of fruit piercing moth, *Eudocina (=Othresis) materna* (Noctuidae: Lepidoptera). *Insect Environment*, **16**: 67.
328. Jayanthi, P. D. K. and Verghese, A. 2010. Sapodilla seed borer, *Trymalitis margaritas* Meyrick: An invasive or indigenous species? *Pest Management in Horticultural ecosystems*, **16**: 141-147.
329. Jayanthi, P. D. K. and Verghese, A. 2010. Severe Incidence of Tetranychid mite, *Oligonychus magiferus* on mango. *Insect Environment*, **15**: 182.
330. Jayanthi, P. D. K., Kempraj, V., Ravindra, M. A., Ravindra, K. V., Bakthavatsalam, N., Verghese, A. and Toby, T. A. B. 2014. Oviposition selection by *Bactrocera dorsalis* is mediated through an innate recognition templated tuned to γ -octalactone. *PLOS one*, **9**: 1-6 e85764.
331. Jayanthi, P. D. K., Kempraj, V., Ravindra, M. A., Ravindra, K. V., Bakthavatsalam, N., Verghese, A. and Toby T. A. B. 2014. Specific volatile compounds from nago elciti oviposition in gravid *Bactrocera dorsalis*. *Journal of Chemical Ecology*, doi 10.1007/S 10886-014-0403-7.
332. Jayanthi, P. D. K., Sangeetha, P. and Verghese, A. 2010. Does food adaptation influence prey choice of a generalist predator, *Cryptolaemus montrouzieri* mulsant? *Current Science*, **99**: 1520-1522.
333. Jayanthi, P. D. K., Sangeetha, P. and Verghese, A. 2012. Ovipositional responses of *Cryptolaemus montrouzieri* Mulsant (Coleoptera: Coccinellidae) to the presence of prey, *Maconellicoccus hirsutus* (Green). *Journal of Biological Control*, **26**: 240-244.
334. Jayanthi, P. D. K., Sangeetha, P. and Verghese, A. 2013. Influence of polyandry on clutch size of the predatory coccinellid, *Cryptolaemus montrouzieri* (Coleoptera: Coccinellidae). *Florida Entomologist*, **96**: 1073-1076.
335. Jayanthi, P. D. K., Verghese, A. and Sreedevi, K. 2001. Effect of ovipositional duration on pupal emergence and sex ratio of mango fruit fly, *Bactrocera dorsalis* (Hendel). *Insect Environment*, **6**: 145-146.
336. Jayanthi, P. D. K., Verghese, A. and Sreedevi, K. 2008. Field efficacy of neem as deterrent to fruit fly, *Bactrocera dorsalis* (Hendel) in Guava. *Insect Environment*, **14**: 46-48.
337. Jayanthi, P. D. K., Verghese, A. and Venugopalan, R. 2008. Studies on the role and reliability of weather factors on the incidence of sapota bud borer, *Anrsia achrasella* (Vill.). *Pest Management in Horticultural Ecosystems*, **14**: 133-139.
338. Jayanthi, P. D. K., Verghese, A., Honnamma Rani and Nagaraju, D. K. 2006. Damage potential and seasonality of the sapodilla bud borer *Anarsia achrasella* (Lepidoptera: Gelechiidae) in India. *International Journal of Tropical Insect Science*, **26**: 86-91.

339. Jayanthi, P. D. K., Verghese, A., Nagaraju, D. K. and Jhansi Rani, B. 2010. Studies on the possibility of managing fruit sucking moth, *Eudocima (Othreis) maternal* (L.) (Lepidoptera: Noctuidae) using feeding repellents. *Pest Management in Horticultural Ecosystems*, **16**: 124-130.
340. Jayanthi, P. D. K., Verghese, A. and Sreekanth, P. D. 2011. Predicting the oriental fruit fly *Bactrocera dorsalis* (Diptera: Tephritidae) trap catch using artificial neural networks: a case study. *International Journal of Tropical Insect Science*, **31**: 205-211.
341. Jayasudha, T., Rangeshwaran, R. and Vajid, N. V. 2010. Relationship between indole acetic acid production by fluorescent *Pseudomonas* and plant growth promotion. *Journal of Biological Control*, **24**: 349-359.
342. Jaydeep Halder, Kodandaram, M. H., Rai, A. B. and Shivalingaswamy, T. M. 2011. Effect of systemic insecticides against three aphid species on vegetable crops. *Annals of Plant Protection Science*, **19**: 206-207.
343. Jaydeep Halder, Rai, A. B., Kodandaram, M. H., and Shivalingaswamy, T. M. and Dey, D. 2012. Mud wasp, *Sceliphron madraspatanum* (Fabricius) (Hymenoptera: Sphecidae): A threat or nature's regulation of spider fauna in the vegetable agroecosystem. *Journal of Biological Control*, **26**: 373-375.
344. Jency Jose, Jalali, S. K., Shivalingaswamy, T. M., Krishna Kumar, N. K., Bhatnagar, R. and Bandyopadhyay, A. 2013. Molecular characterization of nucleopolyhedrovirus of three lepidopteran pests using late expression factor-8 gene. *Indian Journal of Virology*, **24**: 59-65.
345. Jhala, R. C., Patel, R. K., Sisodiya, D. B., Joshi, B. K., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Potentiation and interference between methyl eugenol and cue lure in fruit fly attraction. *Pest Management in Horticultural Ecosystems*, **11**: 169.
346. Jhala, R. C., Sisodiya, D. B., Sardana, H. R., Tyagi, A., Patel, Z. P., Jagadale, V. S. Stonehouse, J. M., Mumford, J. D. and Verghese, A. 2005. Laboratory and field effectiveness of tephritid fruit fly baits in Gujarat and Elsewhere in India. *Pest Management in Horticultural Ecosystems*, **11**: 91-98.
347. Jhala, R. C., Sisodiya, D. B., Verghese, A., Mumford, J. D. and Stonehouse, J. M. 2005. Effects of colour on the attraction of parapheromone lures to tephritid fruit flies [*Bactrocera* spp.]. *Pest Management in Horticultural Ecosystems*, **11**: 170-171.
348. Jiji, T., Napoleon, A., Tamilvel, D., Senthilkumar, Satpathy, S., Rai, S. Shivalingaswamy, T. M., Verghese, A., Stonehouse, J. M. and Mumford, J. D. 2005. Laboratory and field effectiveness of fruitfly baits in southern Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 102-109.
349. Jiji, T., Simna, T., and Verghese, A. 2009. Effects of heights of food bait trap on attraction of melon flies (Diptera: Tephritidae) in cucumber. *Pest Management in Horticultural Ecosystems*, **15**: 48-50.
350. Jiji, T., Stonehouse, J. M., Sendilkumar, Mumford, J. D. and Verghese, A. 2005. Heights of food bait trap attraction of melon fruit flies in bitter gourds in southern India. *International Journal of Tropical Insect Science*, **25**: 292-294.
351. Jiji, T., Tamilvel, D., Stonehouse, J. M., Mumford, J. D. and Verghese, A. 2005. Attraction of melon flies by lure blocks at different heights and orientations in Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 164.
352. Jiji, T., Thomas, J., Singh, H. S., Jhala, R. C., Patel, R. K., Napoleon, A., Senthilkumar, Vidya, C. V., Mohantha, A., Sisodiya, D. B., Joshi, B. K., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Attraction of Indian fruit flies to coloured spheres. *Pest Management in Horticultural Ecosystems*, **11**: 88-90.
353. Jiji, T., Vidya, L., and Verghese, A. 2006. Fruit fly (*Bactrocera cucurbitae* Coq.) infestation in little gourd (*Coccinia grandis* L. Voigt.), *Insect Environment*, **11**: 145.
354. Joshi, S. 2008. Aphids (Homoptera: Aphididae) and their host plants from Karnataka, India. *Biosystematica*, **2**: 19-32.
355. Joshi, S. 2008. Records of aphids and aphidicolous ants (Hymenoptera: Formicidae) from Karnataka. *Entomon*, **33**: 15-23.
356. Joshi, S. and Ballal, C. R. 2013. Syrphid predators for biological control of aphids. *Journal of Biological Control*, **27**: 151-170.
357. Joshi, S. and Viraktamath, C. A. 2004. The sugarcane woolly aphid, *Ceratovacuna lanigera* Zehntner (Hemiptera: Aphididae): its biology, pest status and control. *Current Science*, **87**: 307-316.

358. Joshi, S., Ballal, C. R. and Rao, N. S. 1998. An efficient and simple mass culturing technique for *Ischiodon scutellaris* (Fabricius), an aphidophagous syrphid. *Indian Journal of Plant Protection*, **26**: 56-61.
359. Joshi, S., Ballal, C. R. and Rao, N. S. 1999. Biotic potential of three coccinellid predators on six different aphid hosts. *Journal of Entomological Research*, **23**: 1-7.
360. Joshi, S., Ballal, C. R. and Rao, N. S. 1999. Evaluation of potential of syrphid predators *Ischiodon scutellaris* (Fabricius) and *Paragus serratus* (Fabricius) (Diptera: Syrphidae). *Journal of Aphidology*, **13**: 9-16.
361. Joshi, S., Ballal, C. R. and Rao, N. S. 1999. Species complex, population density and dominance structure of aphidophagous syrphids in cowpea ecosystem. *Entomon*, **24**: 203-213.
362. Joshi, S., Ballal, C. R. and Rao, N. S. 2000. Effect of low holding temperature during adult stage on biological attributes of *Brumoides suturalis* (Fabricius). *Indian Journal of Ecology*, **27**: 136-141.
363. Joshi, S., Ballal, C. R. and Rao, N. S. 2000. The age specific life-table of *Paragus serratus* (Fabricius) and *Paragus yerburiensis* Stuckenberg (Diptera: Syrphidae), predators of *Aphis craccivora* Koch (Homoptera: Aphididae). *Journal of Aphidology*, **14**: 67-72.
364. Joshi, S., Ballal, C. R. and Rao, N. S. 2001. An alternative host for rearing the exotic leucaena psyllid predator, *Curinus coeruleus* (Mulsant) (Coleoptera: Coccinellidae). *Entomon*, **26** (Spl. issue): 86-92.
365. Joshi, S., Ballal, C. R. and Rao, N. S. 2001. Influence of temperature on biological, predatory and reproductive attributes of *Sticholotis cribellata* Sicard (Coleoptera: Coccinellidae) on *Melanaspis glomerata* (Green). *Annals of Plant Protection Sciences*, **9**: 26-31.
366. Joshi, S., Ballal, C. R. and Rao, N. S. 2001. Intrinsic rate of natural increase of *Ischiodon scutellaris* (Fabricius) (Syrphidae), a predator of *Aphis craccivora* Koch. *Journal Insect Science*, **14**: 15-18.
367. Joshi, S., Ballal, C. R., Venkatesan, T. and Rao, N. S. 1998. Influence of host plants on the biological parameters of *Aphis craccivora* Koch (Homoptera: Aphididae). *Entomon*, **23**: 127-132.
368. Joshi, S., Lokeshwari, D., Krishna Kumar, N. K., Manjunatha, H., Verghese, A. and Jalali, S. K. 2014. *Wahlgreißella nervata* (Hemiptera: Aphididae), a new pest of rose in India. *Florida Entomologist*, **97**: 162-167.
369. Joshi, S., Poorani, J. and S. P. Singh. 2001. Bioecology of *Sticholotis cribellata* Sicard (Coleoptera: Coccinellidae), a potential predator of *Melanaspis glomerata* (Green) (Homoptera: Diaspididae). *Journal of Biological Control*, **15**: 21-26.
370. Joshi, S., Prashanth Mohanraj, Jalali, S. K. and Shobitha, C. A. 2011. Host range, feeding potential and biological attributes of *Micromus igorotus* Banks, a predator of sugarcane woolly aphid, *Ceratovacuna lanigera* Zehntner. *Journal of Biological Control*, **25**: 305-310.
371. Joshi, S., Rabindra, R.J. and Rajendran, T.P. 2010. Biological control of aphids. *Journal of Biological Control*, **24**: 185-202.
372. Joshi, S., Sreerama Kumar, P. and Singh, S. P. 2000. Occurrence of *Fusarium coccophilum* (Desm.) Wollenw. & Reinking on sugarcane whitefly, *Aleurolobus barodensis* (Maskell) (Homoptera: Aleyrodidae). *Journal of Biological Control*, **14**: 49-50.
373. Joshi, S., Venkatesan, T, Ballal, C. R. and Rao, N. S. 1999. Comparative Biology of six syrphids on *Aphis craccivora* Koch. *Pest Management in Horticultural Ecosystems*, **5**: 1-6.
374. Joshi, S., Venkatesan, T. and Rao, N. S. 1997. Host range and predatory fauna of *Aphis craccivora* Koch (Homoptera: Aphididae) in Bangalore, Karnataka. *Journal of Biological Control*, **11**: 59-63.
375. Jothi, B. D. and Tandon, P. L. 1994. Bionomics of sapota bud borer, *Anarsia achrasella* (Bradley) (Lepidoptera: Gelechiidae). *Journal of Entomological Research*, **18**: 135-138.
376. Jothi, B. D. and Tandon, P. L. 1995. Present status of insect pests of ber in Karnataka. Current Research University of Agricultural Sciences, Bangalore, **24**: 153-155.
377. Jothi, B. D. and Tandon, P. L. 1995. Spatial distribution and sampling plan for the ber leaf thrips, *Florithrips traegardhi* Trybom. *Journal of Entomological Research*, **19**: 111-117.
378. Jothi, D. B., Verghese, A. and Tandon, P. L. 1989. Ecological studies on the citrus psylla, *Diaphorina citri* (Hemiptera: Psyllidae) with special reference to its spatial distribution and sampling plan. *Entomon*, **14**: 319-324.
379. Jothi, D. B., Verghese, A. and Tandon, P. L. 1990. Evaluation of different plant oils and extracts against citrus aphid, *Toxoptera citricida*. *Indian Journal of Plant Protection*, **18**: 251-254.

380. Kodandaram, M. H., Kumar, R., Shylesha, A. N. and Azad Thakur, N. S. 2007. Efficacy of some botanicals and biorational insecticides against gladiolus thrips (*Taeniothrips Simplex* (Morison) (Thysanoptera: Thripidae). *Journal of Ornamental Horticulture*, **9**: 148-149.
381. Kodandaram, M. H., Rai, A. B. and Shivaliongawamy, T. M. 2009. Effect of biorational insecticides on susceptibility of *Spodoptera litura* (Fab.) by different bioassay techniques. *Vegetable Science*, **36**: 188-192.
382. Krishna Kant, Ramanujam, B., Tyagi, S. K., Sharma, Y. K., Meena, S. S., Mishra, B. K., Vishal, M. K. and Meena, S. R. 2013. Management of fennel aphids (*Hyadaphis coriandri* Das) through biorational approaches. *Annals of Plant Protection Sciences*, **21**: 21-23.
383. Krishna Kant, Sharma, Y. K., Ramanujam, B., Tyagi, S. K., Ranjan, J. K., Mishra, B. K., Meena, S. S., Vishal, M. K. and Meena, S. R. 2013. Biorational approaches for management of aphid (*Hyadaphis coriandri* Das) on fennel. *Indian Journal of Horticulture*, **70**:
384. Krishnamoorthy, A. and Singh, S. P. 1986. Record of egg parasite, *Trichogramma chilonis* on *Papilio* spp. in citrus. *Current Science*, **55**: 461.
385. Krishnamoorthy, A. and Singh, S. P. 1987. Biological control of citrus mealybug *Planococcus citri* with an introduced parasite, *Leptomastix dactylopii* in India. *BioControl*, **32**: 143-148.
386. Krishnamoorthy, A. and Singh, S. P. 1988. Observational studies on the occurrence of parasitoids of *Papilio* spp. in citrus. *Indian Journal of Plant Protection*, **16**: 79-81.
387. Kulkarni N., Paunikar, S., Hussaini S. S. and Joshi, K. C. 2008. Entomopathogenic nematodes in insect pest management of forestry and plantations crops: An appraisal. *Indian Journal of Tropical Biodiversity*, **16**: 155-166.
388. Kulkarni, S., Ramanujam, B., Rabindra, R. J., Nagesh, M. and Rao, N. S. 2010. Isolation, Identification and documentation of efficient Chitinase enzyme production ability strains of *Trichoderma*. *Journal of Plant Diseases Sciences*, **5**: 198-202.
389. Kumar, A., Satpathy, S., Shivalingaswamy, T.M. and M. Rai. 2007. Field efficacy of indoxacarb against diamondback moth, *Plutella xylostella* L. on cabbage. *Pestology*, **31**: 41-43.
390. Kumar, M. and Shylesha, A. N. 1997. Evaluation of Difethialone against *Mus musculus* Gray in Meghalaya. *Journal of Hill Research*, **21**: 28-29.
391. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1996. *Eocanthecona furcellata* (Woeff) (Heteroptera: Pentatomidae) a promising predator of *Craspedonta leyana* latr. On *Gmelina arborea* in Meghalaya. *Insect Environment*, **2**: 56-57.
392. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1995. Laboratory evaluations of coumatetralyl tracking powder against *Bandicoota bengalensis* (Gray) in Meghalaya. *Pestology*, **19**: 23-24.
393. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1995. Occurrence of *Craspedonta leyana* (Latr) Chrysomellidae: Coleoptera on *Gmelina arborea* in Meghalaya. *Insect Environment*, **1**: 17-18.
394. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1996. Efficacy of Caumatetralyl tracking powder bait against *Mus musculus* Gray. A predominant species of residential areas in Meghalaya. *Pestology*, **20**: 14-15.
395. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1996. Laboratory evaluation of formulations of difethialone against *Bandicoota bengalensis* Gray in Meghalaya. *Pestology*, **20**: 15-17.
396. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1997. Hoarding behaviour and dimensional observations of burrows of lesser bandicoot rat *Bandicoota bengalensis* (Gray and Hardwicke) in the paddy fields of Meghalaya. *Journal of Hill Research*, **10**: 148-150.
397. Kumar, M., Shylesha, A. N. and Azad Thakur, N. S. 1997. Efficacy of caumatetralyl tracking powder bait against *Bandicoota bengalensis* (Gray) *Pestology*, **21**: 9-10.
398. Kumar, P and Jalali, S. K. 1993. A hygienic and efficient method of *Corcyra* moth and egg collection. *International Journal of Pest Management*, **39**: 103-105.
399. Kumar, P. and Ballal, C. R. 1990. An improved oviposition cage and egg collection technique for the mass multiplication of *Heliothis armigera* Hubner. *Indian Journal of Plant Protection*, **18**: 255-259.
400. Kumar, P. and Ballal, C. R. 1990. Influence of laboratory hosts on the biological attributes of *Chelonus blackburni* (Hym.: Braconidae). *BioControl*, **35**: 329-333.
401. Kumar, P. and Ballal, C. R. 1991. Improved technique for mass rearing of *Spodoptera litura* (Lepidoptera: Noctuidae). *Entomon*, **16**: 59-62.
402. Kumar, P. and Ballal, C. R. 1992. The effect of parasitism by *Hyposoter didymator* (Hym.: Ichneumonidae) on food consumption and utilization by *Spodoptera litura* (Lep.: Noctuidae). *BioControl*, **37**: 197-203.

403. Kumar, P., Singh, S. P., Ballal, C. R. and Jalali, S.K. 1988. Relationship between the host age and the fitness component of *Hyposoter didymator* Thunb. (Hymenoptera: Ichneumonidae). *Journal of Biological Control*, **2**: 69-71.
404. Kumar, P., Singh, S. P., Jalali, S. K. and Ballal, C. R. 1987. Laboratory studies on *Apanteles kazak* Telenga (Braconidae: Hymenoptera) an exotic parasitoid of *Heliothis armigera* (Hubner) (Noctuidae: Lepidoptera). *Indian Journal of Plant Protection*, **15**: 198-201.
405. Kumar, P., Singh, S. P., Jalali, S. K., and Ballal, C. R. 1988. Biology of an ichneumonid, *Hyposoter didymator* Thunb on *Spodoptera litura* (Fab.). *Indian Journal of Agricultural Sciences*, **58**: 149-151.
406. Kurian, P. S., Sivakumar, G., Joseph Rajkumar, A., Murugan, M. and Shiva, K. N. 2008. Management of anthracnose disease of black pepper in the high ranges of Idukki district. *Journal of Spices and Aromatic Crops*, **17**: 21-23.
407. Lailtha, Y., Nagesh, M. and Jalali, S. K. 2012. Intraguild predation and biosafety of entomopathogenic nematode, *Heterorhabditis bacteriophora* Poinar *et al.* and its bacterial symbionts, *Photorhabdus luminescens*, to parasitoid, *Trichogramma chilonis* Ishii and predator, *Chrysoperla zastrowi sillemi* (Esben-Petersen). *Journal of Biological Control*, **26**: 334-340.
408. Lalramliana, Yadav, A. K. and Shylesha, A. N. 2005. Effects of temperature and relative humidity on the emergence of infective juveniles of *Heterorhabditis indica* from Meghalaya, India. *Indian Journal of Nematology*, **35**: 157-159.
409. Lavekar, R. C., Sharma, O. P., Murthy, K. S. and Puri, S. N. 1999. Integrated Pest Management in Dry land cotton: A case study of Ashta (M.S.). *Journal of Cotton Research and Development*, **15**: 72-78
410. Lyla, K. R., Beevi, P. and Ballal, C. R. 2006. Field evaluation of anthocorid predator, *Cardiastethus exiguus* Poppius against *Opisina arenosella* Walker (Lepidoptera: Oecophoridae) in Kerala. *Journal of Biological Control*, **20**: 229-232.
411. Lyla, K. R., Beevi, P. and Venkatesan, T. 2006. Field evaluation of *Goniozus nephantidis* (Muesebeck) against coconut black headed caterpillar in Kerala using different release techniques. *Journal of Biological Control*, **20**: 33-36.
412. Madhura, H. S. and Verghese, A. 2004. A guide to identification of some common fruit flies (*Bactrocera* spp.) (Diptera: Tephritidae: Dacinae). *Pest Management in Horticultural Ecosystems*, **10**: 1-10.
413. Madhura, H. S., Viraktamath, C. A., Verghese, A. and Nagaraju, D. K. 2004. Attraction of a braconid parasitoid *Psytallia* sp. to coloured traps. *Pest Management in Horticultural Ecosystems*, **10**: 73-75.
414. Madhusudan, S., Jalali, S. K., Venkatesan T. and T., Lalitha, Y. 2011. Insecticide resistance variation in *Helicoverpa armigera* (Hübner) in cotton and tomato crops. *Journal of Insect Science*, **24**: 135-141.
415. Madhusudhan, S., Jalali, S. K., Venkatesan, T., Lalitha, Y. and Srinivas, R. P. 2011. 16s rRNA gene based identification of gut bacteria from laboratory and wild larvae of *Helicoverpa armigera* (Lepidoptera: Noctuidae) from tomato farm. *The Bioscan*, **6**: 175-183.
416. Mallesh, S. B., Narendrappa, T. and Ramanujam, B. 2008. Evaluation of microbial antagonists and organic amendments on root rot of Sage (*Salvia officinalis*) by *Fusarium solani* and *Rhizoctonia solani*. *Karnataka Journal of Agricultural-Sciences*, **21**: 301-302.
417. Malviya, N., Yadav, A. K., Yandigeri, M. S. and Arora, D. K. 2011. Diversity of culturable Streptomycetes from wheat cropping system of fertile regions of Indo-Gangetic plains, India. *World Journal of Microbiology and Biotechnology*, **27**:1593-1602.
418. Malviya, N., Yandigeri, M. S., Yadav, A. K., Solanki, M. K. and Arora, D. K. 2014. Isolation and characterization of novel alkali-halophilic actinomycetes from the Chilika brackish water lake, India. *Annals of Microbiology*, DOI 10.1007/s13213-014-0831-1.
419. Mamatha, G. S., D'Souza, P. E., Nagesh, M. and Chandrashekar, S. C. 2005. Evaluation of nematode-trapping efficiency of *Arthrobotrys oligospora* against larvae of *Bunostomum* species. *Journal of Veterinary Parasitology*, **19**: 131-133.
420. Mandal, A. B., Prashanth Mohanraj and Bandyopadhyay, A. K. 1996. Assessment of somaclonal variation induced in an indica rice. *Oryza*, **33**: 89-94.
421. Mandal, A. B., Prashanth Mohanraj and Bandyopadhyay, A. K., 1993. Inflorescence culture in rice. *Internl. Rice Research Notes*, **18**: 9-10.

422. Mani, M., Joshi, S., Kalyansundaram, M., Shivaraju, C., Krishnamoorthy, A., Asokan, R., and Rebijth, K. B. 2013. A new invasive jackbeardsley mealybug, *Pseudococcus jackbeardsleyi* (Hemiptera: Pseudococcidae) on papaya in India. *Florida Entomologist*, **96**: 242-245.
423. Mani, M., Krishnamoorthy, A. and Singh, S. P. 1990. The impact of the predator, *Cryptolaemus montrouzieri* Mulsant, on pesticide-resistant populations of the striped mealybug, *Ferrisia virgata* (Ckll.) on guava in India. *Insect Science and its Application*, **11**: 167-170.
424. Mani, M., Nagarkatti, S. and Narayanan, K. 1982. Influence of parasitism by *Eucelatoria bryani* (Dip.: Tachinidae) on the consumption and utilisation of chickpea flour diet by *Heliothis armigera* (Lep.: Noctuidae). *BioControl*, **27**: 399-404.
425. Mani, M., Thontadarya, T.S. and Singh, S. P. 1987. Record of natural enemies on the grape mealybug, *Maconellicoccus hirsutus* (Green). *Current Science*, **56**: 624-625.
426. Manimaran, P., Ramkumar, G., Mohan, M., Mangrauthia, S. K., Padmakumari, A. P., Muthuraman, P., Bentur, J. S., Viraktamath, B. C. and Balachandran, S. M. 2011. Bt rice evaluation and deployment strategies. *GM Crops*, **2**: 135-137.
427. Matti Hamalainen, Prashanth Mohanraj and Veenakumari, K. 1999. Additions to the Odonate fauna of the Andaman and Nicobar islands, Indian Ocean. *Notulae Odonatologica*, **5**: 27-29.
428. Meena, K. K., Kumar, M., Kalyuzhnaya, M., Yandigeri, M. S., Singh, D. P. and Arora, D. K. 2012. Epiphytic pink pigmented methylotrophic bacteria enhance germination and early seedling growth of wheat (*Triticum aestivum*) by producing phytohormone. *Antonie van Leeuwenhoek*, **101**: 777-786.
429. Meena, K. K., Mesapogu, S., Kumar, M., Yandigeri, M. S., Singh, G. and Saxena, A. K. 2010. Co-inoculation of the endophytic fungus *Piriformospora indica* with the phosphate-solubilising bacterium *Pseudomonas striata* affects population dynamics and plant growth in chickpea. *Biology and Fertility of Soils*, **46**: 169-174.
430. Meena, K., Pratheepa, M., Subramaniam, K. R. and Baitha, A. 2010. Effect of biotic and abiotic factors on sugarcane woolly aphid *Ceratovacuna lanigera* Zehntner (Hemiptera: Aphididae) by using data mining technique – Shannon information gain value. *Journal of Modern Science*, **2**: 11-18.
431. Meena, K., Pratheepa, M., Subramaniam, K. R., Venugopalan, R. and Bheemanna, H. 2009. A Gini Index Based Decision Tree Analysis for Predicting the Occurrence of the pest, *Helicoverpa armigera* (Hübner) and its Natural Enemies on Cotton. *International Journal of Information Technology and Management Research*, **1**: 67-76.
432. Misra, R. S., Nedunchezhiyan, M., Shivalingaswamy, T. M. and Edison, S. 2002. Mass multiplication techniques for producing quality planting material of *Amorphophallus paeniifolius* (Dennst.) Nicolson (Araceae). *Aroideana*, **25**: 78-87.
433. Misra, R. S., Shivalingaswamy, T. M., Maheshwari, S. K. 2001. Improved production technology for commercial and seed crops of elephant foot yam. *Journal of Root Crops*, **27**: 197-201.
434. Mohan, M. and Gujar, G. T. 2000. Susceptibility pattern and development of resistance in the diamondback moth, *Plutella xylostella* L to *Bacillus thuringiensis* Berl var *kurstaki* in India. *Pest Management Science*, **56**: 189-194.
435. Mohan, M. and Gujar, G. T. 2001. Toxicity of *Bacillus thuringiensis* strains and commercial formulations to *Plutella xylostella* (L.). *Crop Protection*, **20**: 311-316.
436. Mohan, M. and Gujar, G. T. 2002. Geographical variation in larval susceptibility of the diamondback moth, *Plutella xylostella* (Lepidoptera: Plutellidae) to *Bacillus thuringiensis* spore-crystal mixtures and purified crystal proteins and associated resistance development in India. *Bulletin of Entomological Research*, **92**: 489-498.
437. Mohan, M. and Gujar, G. T. 2002. Relative susceptibility of two populations of the diamondback moth, *Plutella xylostella*, to some insecticides. *International Pest Control*, **20**: 246-249.
438. Mohan, M. and Gujar, G. T. 2003. Characterization and comparison of midgut proteases of *Bacillus thuringiensis* resistant and susceptible diamondback moth (Lepidoptera: Plutellidae). *Journal of Invertebrate Pathology*, **82**: 1-11.
439. Mohan, M. and Gujar, G. T. 2003. Local variation in susceptibility of the diamondback moth, *Plutella xylostella* (Linnaeus) to insecticides and role of detoxification enzymes. *Crop Protection*, **22**: 495-504.
440. Mohan, M. and Katiyar, K. N. 2000. Effect of insecticides on the population and incidence of bollworms in cotton. *Shashpa*, **7**: 171-175.
441. Mohan, M. and Katiyar, K. N. 2000. Impact of different insecticides used for bollworm control on the population of jassid and whitefly in cotton. *Pesticide Research Journal*, **12**: 99-102.

442. Mohan, M., Selvakumar, G., Sushil, S. N., Bhatt, J. C. and Gupta, H. S. 2011. Entomopathogenicity of endophytic *Serratia marcescens* strain SRM against larvae of *Helicoverpa armigera* (Noctuidae: Lepidoptera). *World Journal of Microbiology and Biotechnology*, **27**: 2545-2551.
443. Mohan, M., Sushil, S. N. and Bhatt, J. C. 2007. Development of Insecticide Resistance and Carboxylesterase Activity in *Helicoverpa armigera* (Hübner) from Kumaon Himalayas. *Pesticide Research Journal*, **19**: 220-225.
444. Mohan, M., Sushil, S. N., Bhatt, J. C. 2005. Toxicity and growth inhibitory effect of *Bacillus thuringiensis* subspecies *tolworthi* against lepidopterous insect pests of Kumaon hills. *Pesticide Research Journal*, **17**: 34-38.
445. Mohan, M., Sushil, S. N., Bhatt, J. C. and Gupta, H. S. 2007. Synergistic interaction between sublethal doses of *Bacillus thuringiensis* and *Campoletis chlorideae* in managing *Helicoverpa armigera*. *BioControl*, **53**: 375-386.
446. Mohan, M., Sushil, S. N., Selvakumar, G., Bhatt, J. C., Gujar, G. T. and Gupta, H. S. 2009. Differential toxicity of *Bacillus thuringiensis* strains and their crystal toxins against high-altitude Himalayan populations of diamondback moth, *Plutella xylostella* L. *Pest Management Science*, **65**: 27-33.
447. Mondal, A. B., Veenakumari, K. and Bandyopadhyay, A. K. 1994. Somaclonal variation for YSB tolerance in rice. *Rice Biotechnology Quarterly*, **20**: 20.
448. Mukesh, P., Fathima, S. S., Vasumathi, D., Pratheepa, M. and Kalaisekar. 2013. Development of decision tree induction model using sorghum multi location data for classification and prediction. *International Journal of Engineering Research and Technology*, **2**: 3963-3970.
449. Murthy, K. S., Gour, T. B., Reddy, D. D. R., Ramesh Babu, T. and Zaheruddeen, S. M. 1995. Host preference of coconut black headed caterpillar, *Opisina arenosella* Walker for oviposition and feeding. *Journal of Plantation Crops*, **23**: 124-127.
450. Murthy, K. S., Gour, T. B., Reddy, D. D. R., Ramesh Babu, T. and Zaheruddeen, S. M. 1995. Pheromone baits for Coconut black headed caterpillar, *Opisina arenosella* Walker. *Insect Environment*, **1**: 3-4.
451. Murthy, K. S., Gour, T. B., Reddy, D. D. R., Ramesh Babu, T. and Zaheruddeen, S. M. 1997. Integrated Pest Management Strategy for coconut black headed caterpillar, *Opisina arenosella* Walker. *Journal of Pest Management & Applied Zoology*, **3**: 119-121.
452. Murthy, K. S., Jalali, S. K and Venkatesan, T. 2003. Development of *Goniozus nephantidis* Muesebeck on artificial diet reared *Opisina arenosella* Walker. *Annals of Plant Protection Sciences*, **12**: 195-196.
453. Murthy, K. S., Jalali, S. K and Venkatesan, T. 2005. Influence of temperature on the sex ratio of *Telenomus* sp. (Scelionidae: Hymenoptera), an egg parasitoid of *Spodoptera litura* Fabricius. *Journal of Entomological Research*, **29**: 23-25.
454. Murthy, K. S., Jalali, S. K and Venkatesan, T. and Rajeshwari, R. 2007. Influence of temperature on biological parameters of *Goniozus nephantidis* Muesebeck, a promising parasitoid of the coconut black headed caterpillar, *Opisina arenosella* Walker. *Indian Journal of Agricultural Sciences*, **77**: 44-46.
455. Murthy, K. S., Jalali, S. K. and Venkatesan, T. 2005. Performance of *Goniozus nephantidis* (Bethyilidae: Hymenoptera) multiplied on artificial diet reared *Opisina arenosella* at variable high temperature. *Indian Journal of Agricultural Sciences*, **75**: 529-531.
456. Murthy, K. S., Jalali, S. K. and Venkatesan, T. 2006. Development of *Spodoptera exigua* Hubner (Lepidoptera: Noctuidae) on a semi synthetic diet. *Indian Journal of Plant Protection*, **34**: 250-252.
457. Murthy, K. S., Jalali, S. K., Venkatesan, T. and Rajeshwari, R. 2009. Comparative biology of different populations of *Cotesia flavipes* (Cameron) (Hymenoptera: Braconidae). *Journal of Insect Science*, **22**: 51-54.
458. Murthy, K. S., Jalali, S. K., Venkatesan, T. and Rajeshwari, R. 2009. Rearing the Mexican beetle *Zygogramma bicolorata* (Chrysomelidae: Coleoptera) on a semi-synthetic diet. *Biocontrol Science and Technology*, **33**: 1-5.
459. Murthy, K. S., Rajeshwari, R., Jalali, S. K and Venkatesan, T. 2008. Variations in the biological parameters of *Goniozus nephantidis* Muesebeck, a parasitoid of the coconut black headed caterpillar *Opisina arenosella* Walker, as influenced by temperature. *Entomon*, **33**: 195-199.
460. Murthy, K. S., Rajeshwari, R., Jalali, S. K and Venkatesan, T. 2009. Assessment of genetic variation in *Cotesia flavipes* (Cameron) (Hymenoptera: Braconidae) has revealed by mitochondrial oxidase gene sequences. *Journal of Biological Control*, **23**: 249-254.

461. Murthy, K. S., Rajeshwari, R., Jalali, S. K. and Venkatesan, T. 2013. Evaluation of pesticide tolerant strain of *Cotesia flavipes* Cameron (Hymenoptera: Braconidae) on maize stem borer, *Chilo partellus* (Swinhoe). *International Journal of Biodiversity and Conservation*, **5**: 567-571.
462. Murthy, K. S., Rajeshwari, R., Jalali, S. K. and Venkatesan, T. 2008. Influence of temperature on biological parameters of *Goniozus nephantidis* Muesebeck, a promising parasitoid of the coconut black headed caterpillar *Opisina arenosella* Walker. *Entomon*, **33**: 195-199.
463. Murthy, K. S., Rajeshwari, R., Jalali, S. K. and Venkatesan, T. 2011. Host searching efficiency of *Cotesia flavipes* Cameron (Hymenoptera: Braconidae) an important parasitoid of the maize stem borer *Chilo partellus* Swinhoe. *Indian Journal of Fundamental and Applied Life Sciences*, **1**: 71-74.
464. Murthy, K. S., Rajeshwari, R., Jalali, S. K., Venkatesan, T. and Ashok Kumar, G. 2010. Intraspecific variation among the populations of *Goniozus nephantidis* Muesbeck (Bethylinidae: Hymenoptera) based on RAPD and ITS-2 rDNA sequences. *Entomon*, **35**: 1-10.
465. Murthy, K. S., Rajeshwari, R., Venkatesan, T. and Nesil, L. B. 2011. Detection and characterization of *wolbachia* in *Cotesia plutellae* (Kurdjumov) (Hymenoptera: Braconidae), a parasitoid of the diamond back moth *Plutella xylostella* (Linn.). *Journal of Biological Control*, **25**: 213-216.
466. Murthy, K. S., Ramya, S. L., Venkatesan, T. Jalali, S. K. and Jency Jose. 2013. Feminisation due to *wolbachia* in *Cotesia vestalis* (Haliday), a parasitoid of the diamondback moth, *Plutella xylostella* (Linn.). *Global Journal of Biology, Agriculture & Health Sciences*, **2**: 192-195.
467. Murthy, K. S., Rao, N. S., Rabindra, R. J. and Jalali, S. K. 2004. Age related parasitisation potential of the egg parasitoid *Telenomus remus* (Scelionidae: Hymenoptera) on certain lepidopterous hosts. *Journal of Entomological Research*, **28**: 33-36.
468. Murthy, K. S., Sharma, O. P., and Puri, S. N. 1997. Traditional Pest Management in Cotton. *Insect Environment*, **3**: 73-74.
469. Murthy, K. S., Veenakumari, K. and Jalali, S.K. 2008. Preliminary studies on the establishment of new cell lines from *Helicoverpa armigera* Hubner and *Spodoptera litura* Fabricius (Noctuidae: Lepidoptera). *Annals of Plant Protection Sciences*, **16**: 32-34.
470. Murthy, K. S., Venkatesan, T and Jalali, S. K. 2003. Evaluation of artificial diets for coconut black headed caterpillar *Opisina arenosella* Walker. *Annals of Plant Protection Sciences*, **11**: 20-22.
471. Murthy, K. S., Venkatesan, T and Jalali, S. K. 2003. Influence of temperature regimen on the development and parasitisation rate of the egg parasitoid *Telenomus* sp (Scelionidae: Hymenoptera). *Journal of Entomological Research*, **27**: 23-28.
472. Murthy, K. S., Venkatesan, T and Jalali, S. K. 2004. Ovipositional response of coconut black headed caterpillar *Opisina arenosella* Walker, *Shashpa*, **12**: 58-59.
473. Murthy, K. S., Venkatesan, T. and Jalali, S. K. 2005. Development of *Plutella xylostella* (L.) on semi synthetic diets and suitability of diet reared host to larval parasitoid *Cotesia plutellae* (Kurdjumov). *Annals of Plant Protection Sciences*, **13**: 335-359.
474. Murthy, K. S., Venkatesan, T. and Jalali, S. K. 2005. Development of *Crociodolomia binotalis* (Zeller) (Lepidoptera: Pyralidae) on semi synthetic diet. *Journal of Biological Control*, **19**: 179-182.
475. Murthy, P. N. K., Singh, S. P., Rao, N. S., Sarode, S. V., Anand, L. and Awasthi, M. D. 1991. Residues of monocrotophos in mandarin fruits. *Pestology*, **15**: 33.
476. Nagaraja, H. and Prashanth Mohanraj, 2012. Two new species of Trichogrammatoidea (Hymenoptera: Trichogrammatidae) from Bangalore, India. *Journal of Biological Control*, **26**: 217-221.
477. Nagaraja, H. and Prashanth Mohanraj. 2010. A new species of *Trichogramma* (Hymenoptera: Trichogrammatidae) from South India. *Journal of Biological Control*, **24**: 297-299.
478. Nagaraja, H. and Prashanth Mohanraj. 2010. Three new species of *Trichogramma* (Hymenoptera: Trichogrammatidae) from southern India. *Journal of Biological Control*, **24**: 203-209.
479. Nagaraja, H., Ankita Gupta, Lalitha, Y., Prashnath Mohanraj and Jalali, S. K. 2008. On the true identity of *Trichogramma brasiliensis* (Ashmad) (Hymenoptera: Trichogrammatidae) being used in India. *Journal of Biological Control*, **22**: 255-260.
480. Nagarkatti, S., Singh, S. P., Jayanth, K. P. and Bhumannavar, B. S. 1992. Introduction and establishment of *Leptomastix dactylopii* How. (Hym.: Encyrtidae) against *Planococcus* spp. in India. *Indian Journal of Plant Protection*, **19**: 102-104.
481. Nagesh, M. and Janakiram, T. 2004. Root-knot nematode problem in polyhouse roses and its management using dazomet, neem cake and *Pochonia chlamydosporia* (*Verticillium chlamydosporium*). *Journal of Ornamental Horticulture*, **7**: 147-152.

482. Nagesh, M. and Reddy, P. P. 2004. Biochemical changes in *Glomus fasciculatum* colonized roots of *Lycopersicon esculentum* in presence of *Meloidogyne incognita*. *Indian Journal of Experimental Biology*, **42**: 721-727.
483. Nagesh, M. and Reddy, P. P. 2005. Management of carnation and gerbera to control the root-knot nematode, *Meloidogyne incognita*, in commercial polyhouses. *Nematologia Mediterranea*, **33**: 157-162.
484. Nagesh, M. and Reddy, P. P., Vijaya Kumar, M. V. and Nagaraju, B. M. 1999. Studies on correlation between *Glomus fasciculatum* spore density, root colonization and *Meloidogyne incognita* infection on *Lycopersicon esculentum*. *Journal of Plant Diseases and Protection*, **106**: 82-87.
485. Nagesh, M. and Singh, K. P. 2004. Bio management of *Meloidogyne incognita* on *Polianthes tuberosa* using *Glomus mosseae* and *Pochonia chlamydosporia* as bulb dressing in combination with neem cake. *Journal of Ornamental Horticulture*, **7**: 45-51.
486. Nagesh, M., Asokan, R. and Mohan, K. S. 2005. Partial characterization of novel nematocidal toxins from *Bacillus cereus* Frankland and Frankland 1887 and their effect on root-knot nematode, *Meloidogyne incognita* (Kofoid & White) Chitwood. *Journal of Biological Control*, **19**: 65-70.
487. Nagesh, M., Chakrabarti, S. K., Shekhawat, G. S. and Gedewar, A. V. 1997. Evaluation of potato accessions for their combined resistance to *Pseudomonas solanacearum* and *Meloidogyne incognita*. *Pest Management in Horticultural Ecosystems*, **3**: 17-20.
488. Nagesh, M., Chandravadana, M. V., Sreeja, V. G. and Babu, C. S. B. 2002. Benzyl isothiocyanate from *Carica papaya* seeds - A potential nematocide against *Meloidogyne incognita*. *Nematologia Mediterranea*, **30**: 155-158.
489. Nagesh, M., Hussaini S. S. and Singh, S. P. 2001. An easy and rapid technique for screening antagonistic fungi against nematodes on host plant. *Indian Journal of Plant Protection*, **29**:131-133.
490. Nagesh, M., Hussaini S. S., Singh, S. P. and Biswas, S. R. 2003. Management of root-knot nematode, *Meloidogyne incognata* (Kofoid &White) Chitwood in chrysanthemum using *Paecilomyces lilacinus* (Thom.) Samson in combination with neem cake. *Journal of Biological Control*, **17**: 125-131.
491. Nagesh, M., Hussaini, S. S. and Chidanandaswamy, B. S. 2005. A note on incidence of root knot nematode *M. incognita* on gherkin, *Cucumis sativus* var. *anguria* L. and crop losses. *Indian Journal of Plant Protection*, **33**: 149-152.
492. Nagesh, M., Hussaini, S. S. and Chidanandaswamy, B. S. 2005. Isolation, *in-vitro* characterization and predaceous activity of an Indian isolate of the fungus *Arthrobotrys oligospora* on the root-knot nematode, *Meloidogyne incognita*. *Nematologia Mediterranea*, **33**: 179-183.
493. Nagesh, M., Hussaini, S. S. and Chidanandaswamy, B. S. 2005. Incidence of root-knot nematode, *Meloidogyne incognita* on Gherkin, *Cucumis sativus* and yield losses. *Indian Journal of Plant Protection*, **33**: 309-311.
494. Nagesh, M., Hussaini, S. S. and Singh, S. P. 2002. Isolation and characterization of symbiotic bacteria from *Heterorhabditis* spp and *Steinernema carpocapsae* Weiser. *Pest Management in Horticultural Ecosystems*, **8**: 38-42.
495. Nagesh, M., Hussaini, S. S., Chidanandaswamy, B. S. and Biswas, S. R. 2006. Studies on simple mass production systems of nematophagous fungus, *Arthrobotrys oligospora*. *International Journal of Nematology*, **16**: 58-64.
496. Nagesh, M., Hussaini, S. S., Chindandaswamy, B. S., Shubha, M. R. and Ruby, K. M. 2007. Relationship between initial water content of the substrate and mycelial growth and sporulation of the nematophagous fungi, *Paecilomyces lilacinus* and *Pochonia chlamydosporia*. *Nematologia Mediterranea*, **35**: 57-60.
497. Nagesh, M., Hussaini, S. S., Jagadish Kumar, H. R. and Chidanandaswamy, B. S. 2005. Influence of laboratory culturing of *Paecilomyces lilacinus* (Thom.) Samson and *Pochonia chlamydosporia* Zare *et al.*, on spore viability and infectivity against *Meloidogyne incognita* Chitwood eggs. *Journal of Biological Control*, **19**: 187-191.
498. Nagesh, M., Hussaini, S. S., Ramanujam, B. and Chidanandaswamy, B. S. 2006. Management of *Meloidogyne incognita* and *Fusarium oxysporum* f. sp. *Lycopersici* wilt complex using antagonistic fungi in tomato. *Nematologia Mediterranea*, **34**: 63-68.
499. Nagesh, M., Hussaini, S. S., Ramanujam, B. and Rangeswaran, R. 2007. Molecular identification, characterization, variability and infectivity of Indian isolates of the nematophagous fungus *Pochonia chlamydosporia*. *Nematologia Mediterranea*, **35**: 47-56.

500. Nagesh, M., Reddy, P. P. and Rama, N. 2001a. Pathogenicity of selected antagonistic soil fungi on *Meloidogyne incognita* (Kofoid & White) eggs and egg masses under *in vitro* and *in vivo* conditions. *Journal of Biological Control*, **15**: 63-68.
501. Nagesh, M., Reddy, P. P. and Rama, N. 2001b. Effect of different storage temperature regimes on spore viability of *Paecilomyces lilacinus* (Thom.) Samson in some formulations. *Journal of Biological Control*, **15**: 73-75.
502. Nagesh, M., Reddy, P. P. and Rama, N. 2001. Influence of oil cakes in combination with inorganic fertilizers on growth and sporulation of *Paecilomyces lilacinus* and its antagonism on *Meloidogyne incognita* infecting tomato. *Nematologia Mediterranea*, **29**: 23-27.
503. Nagesh, M., Reddy, P. P. and Rao, M. S. 1996. Integrated management of *Meloidogyne incognita* on tuberoses using *Paecilomyces lilacinus*, in combination with plant extracts. *Nematologia Mediterranea*, **25**: 3-6.
504. Nagesh, M., Reddy, P. P., Janakiram, T. and Rao, T. M. 1999. Sequential biochemical changes in roots of *Callistophus chinensis* lines resistant and susceptible to *Meloidogyne incognita* race1. *Nematologia Mediterranea*, **27**: 39-42.
505. Nagesh, M., Saleem Javeed, Ramunajam, B. and Rangeshwaran, R. 2013. Suitability of soil types for *Paecilomyces lilacinus* and *Pochonia chlamydosporia* and their performance against root-knot nematode, *Meloidogyne incognita* on *Lycopersicon esculentum* in glasshouse. *Indian Journal of Agricultural Sciences*, **83**: 213-216.
506. Naiding, J., Brar, K. S. and Jalali, S. K. 2007. Effect of refrigerated storage of tricho cards on the adult emergence and parasitisation efficiency of multiple insecticides tolerant strain and Bhatinda strain. *Journal of Insect Science*, **20**: 46-52.
507. Naiding, J., Brar, K. S. and Jalali, S. K. 2007. Host searching ability of multiple insecticides tolerant strain and Bhatinda strain of *Trichogramma chilonis*. *Journal of Insect Science*, **20**: 53-57.
508. Nanthakumar, M., Lakshmi, V. J., Shashi Bhushan, V., Balachandran, S. M., Mohan M. 2012. Decrease of rice plant resistance and induction of hormesis and carboxylesterase titre in brown planthopper, *Nilaparvata lugens* (Stål) by xenobiotics. *Pesticide Biochemistry and Physiology*, **102**: 146-152.
509. Narayanan, K. 1985. An artificial diet for rearing of *Spilosoma obliqua* Walk. (Arctiidae: Lepidoptera). *Entomon*, **10**: 121-123.
510. Narayanan, K. 1985. Susceptibility of *Spilosoma obliqua* Walker to *Nosema* sp. *Current Science*, **54**: 487-488.
511. Narayanan, K. 1985. Susceptibility of *Spodoptera litura* (F) to a granulosis virus. *Current Science*, **54**: 1288-1289.
512. Narayanan, K. 1985. The occurrence of mixed infection of viruses in *Spodoptera litura* F. *Current Science*, **54**: 1190-1191.
513. Narayanan, K. 1986. Occurrence of cytoplasmic polyhedrosis virus in *Spilosoma obliqua* Walker. *Entomon*, **11**: 305-307.
514. Narayanan, K. 1987. Field efficacy of nuclear polyhedrosis virus of *Adisura atkinsoni* Moore on field beans. *Journal of Biological Control*, **1**: 44-47.
515. Narayanan, K. 1987. Serological characterisation of nuclear polyhedrosis virus of *Spodoptera litura*. *Journal of Biological Control*, **1**: 67-70.
516. Narayanan, K. 1987. Studies on the cross-infectivity of nuclear polyhedrosis virus of *Adisura atkinsoni* Moore (Noctuidae: Lepidoptera). *Current Science*, **55**: 372-373.
517. Narayanan, K. 1997. Biotechnological immobilization of entomopathogens in pest suppression. *Uttar Pradesh Journal of Zoology*, **17**: 191-199.
518. Narayanan, K. 1998. Apoptosis: its role in microbial control of insect pests. *Current Science*, **75**: 114-122.
519. Narayanan, K. 2002. Epizootic occurrence of nuclear polyhedrosis virus of *Chrysoperla carnea* (Neuroptera: Chrysopidae). *Insect Environment*, **8**: 165-166.
520. Narayanan, K. 2003. Occurrence of *Chrysodeixis chalcites* (Esper) (Lepidoptera: Noctuidae) on an ornamental plant, *Chlorophytum indicum* (Willd.) Dres (Fam.: Liliaceae) and report of a protozoan pathogen on it. *Insect Environment*, **9**: 158-159.
521. Narayanan, K. 2004. Insect defence: its impact on microbial control of insect pests. *Current Science*, **86**: 800-814.
522. Narayanan, K. 2004. Nucleopolyhedrovirus of cabbage leaf webber, *Crociodolomia binotalis* Zeller (Lepidoptera: Pyralidae). *Insect Environment*, **10**: 42-43.

523. Narayanan, K. 2005. Cross infectivity of *Bombyx mori* nucleopolyhedrovirus to cabbage leaf webber, *Crociodolomia binotalis* Zeller (Lepidoptera: Pyralidae). *Journal of Biological Control*, **19**: 201-202.
524. Narayanan, K. 2005. Occurrence and cross infectivity of cytoplasmic polyhedrosis virus of tobacco caterpillar, *Spodoptera litura* Fab. *Journal of Entomological Research*, **29**: 319-321.
525. Narayanan, K. 2005. Occurrence of lymantrid hairy caterpillar, *Euproctis fraterna* Moore on groundnut and report on the incidence of nucleopolyhedrovirus. *Insect Environment*, **11**: 127-128.
526. Narayanan, K. and Gopalakrishnan, C. 1987. Effect of entomogenous nematode *Steinernema feltiae* (Rhabditida: Steinernematidae) to the pre-pupa, pupa and adult of *Spodoptera litura* (Noctuidae; Lepidoptera). *Indian Journal of Nematology*, **17**: 273-276.
527. Narayanan, K. and Gopalakrishnan, C. 1987. Occurrence of cytoplasmic polyhedrosis virus in citrus leaf caterpillar, *Papilio demoleus* L. (Papilionidae: Lepidoptera). *Journal of Biological Control*, **1**: 73-74.
528. Narayanan, K. and Gopalakrishnan, C. 1988. An outbreak of *Spodoptera exigua* Hubner (Noctuidae: Lepidoptera) on tomato. *Entomon*, **13**: 183-184.
529. Narayanan, K. and Gopalakrishnan, C. 2003. Integration of entomopathogenic nematode, *Steinernema feltiae* with *Helicoverpa armigera* nuclear polyhedrosis virus for the control of insect pests on vegetable pigeonpea. *Indian Journal of Nematology*, **33**: 33-36.
530. Narayanan, K. and Gopalakrishnan, C. 2003. Cross infectivity of microsporidian, *Vairimorpha* sp. against certain lepidopterous insect pests. *Insect Environment*, **9**: 65-66.
531. Narayanan, K. and Jayaraj, S. 1974. Observations on the pathogenicity of *Serratia marcescens* Bizio for certain lepidopteran insects. *Madras Agricultural Journal*, **61**: 92-95.
532. Narayanan, K. and Jayaraj, S. 1975. Effect of *Bacillus thuringiensis* Berliner on size, weight and fat content of citrus leaf caterpillar (*Papilio demoleus* L.). *Madras Agricultural Journal*, **62**: 367-370.
533. Narayanan, K. and Jayaraj, S. 1978. Factors responsible for the mode of action of polyhedral inclusion bodies of the nuclear polyhedrosis virus in the tobacco caterpillar *Spodoptera litura* F. *Current Science*, **47**: 310-311.
534. Narayanan, K. and Jayaraj, S. 1979. Occurrence of mixed infections of virus and Protozoa in two species of Lepidoptera. *Current Science*, **48**: 825.
535. Narayanan, K. and Jayaraj, S. 1979. *Spodoptera litura* (F.) as a host for *Nosema* sp. *Current Science*, **48**: 276.
536. Narayanan, K. and Jayaraj, S. 1988. Effect of acquisition feeding period on the mortality of *Heliothis armigera* (Hbn.) due to nuclear polyhedrosis virus. *Journal of Biological Control*, **2**: 135-136.
537. Narayanan, K. and Kalidurai, M. 2006. Effect of nuclear polyhedrosis virus on the oxygen consumption of *Helicoverpa armigera* (Hub.) and *Spodoptera litura* (Fab.). *Journal of Entomological Research*, **30**: 29-30.
538. Narayanan, K. and Shetty, G. P. 2009. Potential of green tea leaf extract as ultraviolet protectant against inactivation of nucleopolyhedrovirus of cotton boll worm, *Helicoverpa armigera* Hubner (Noctuidae: Lepidoptera). *Insect Environment*, **15**: 19-20.
539. Narayanan, K. and Sood, P. 2006. A note on the occurrence of granulovirus on cabbage white butterfly, *Pieris brassicae* (Linn.). *Insect Environment*, **11**: 152-154.
540. Narayanan, K. and Sreerama Kumar, P. 1996. A cheap artificial diet for rearing two noctuids. *Journal of Applied Zoological Research*, **7**(2): 144.
541. Narayanan, K. and Subramaniam, T. R. 1975. Effect of hydrogen-ion concentration on the activity of inclusion bodies of *Spodoptera litura* nuclear polyhedrosis virus. *Current Science*, **44**: 814.
542. Narayanan, K. and Subramaniam, T. R. 1976. Effect of hydrogen-ion concentration on the activity of inclusion bodies of *Spodoptera litura* nuclear polyhedrosis virus. *Current Science*, **45**: 426.
543. Narayanan, K. and Subramaniam, T. R. 1976. First record of the microsporidia *Nosema* sp. on *Plusia peponis* F. from India. *Current Science*, **45**: 223.
544. Narayanan, K. and Tandi, B. L. 2001. Occurrence of entomopoxvirus on white grub, *Holotrichia consanguinea* Blanch. (Coleoptera: Scarabaeidae). *Insect Environment*, **7**: 104-106.
545. Narayanan, K. and Veenakumari, K. 2002. Report on the occurrence of nuclear polyhedrosis virus of the coconut skipper – *Gangara thyrasis* (Fabricius) (Lepidoptera: Hesperiiidae). *Indian Coconut Journal*, **33**: 3-4.
546. Narayanan, K. and Veenakumari, K. 2002. Susceptibility of *Cadra cautella* to neogregarine protozoan pathogen, *Mattesia dispar* Naville. *Insect Environment*, **8**: 51-52.

547. Narayanan, K. and Veenakumari, K. 2003. Nuclear polyhedrosis viruses from coconut blackheaded caterpillar, *Opisina arenosella* Walker and sorghum spotted stem borer, *Chilo partellus* (Swinhoe). *Journal of Biological Control*, **17**: 97-98.
548. Narayanan, K. and Veenakumari, K. 2005. Nucleopolyhedrosis virus from mottled emigrant butterfly, *Catopsilia pyranthe* (Linn.) (Lepidoptera: Pieridae). *Insect Environment*, **11**: 82-83.
549. Narayanan, K. and Vennila, S. 2005. Larval sexing of some lepidopterans and its impact on the *in-vivo* multiplication of nuclear polyhedrosis virus of *Spodoptera litura* (F.). *Journal of Entomological Research*, **29**: 15-17.
550. Narayanan, K., Ahmed, N. M. and Subramaniam, T. R. 1975. Electrophoretic variation in haemolymph proteins of the tobacco caterpillar, *Spodoptera litura* (F.) infected with a nucleopolyhedrosis virus. *Current Science*, **44**: 743.
551. Narayanan, K., Easwaramoorthy, S., Santharam, G., Jayaraj, S. and Muthu, M. 1977. Exposure of white mice to baculovirus amsacta of groundnut red-hairy caterpillar, *Amsacta albistriga* (Walker). *Current Science*, **46**: 417-419.
552. Narayanan, K., Govindarajan, R. and Jayaraj, S. 1977. Mineral contents and chemical dissolution of the polyhedral inclusion bodies of the nucleopolyhedrosis virus of *Amsacta albistriga* Wlk. *Current Science*, **46**: 82-83.
553. Narayanan, K., Govindarajan, R. and Jayaraj, S. 1977. Preliminary observations on the persistence of nuclear polyhedrosis virus of *Spodoptera litura* F. *Madras Agricultural Journal*, **64**: 487-488.
554. Narayanan, K., Govindarajan, R. and Jayaraj, S. 1977. Role of alkali components and gut microflora of *Papilio demoleus* L. and *Spodoptera litura* F. in the mode of action of *Bacillus thuringiensis* Berliner. *Madras Agricultural Journal*, **64**: 344-346.
555. Narayanan, K., Govindarajan, R., Jayaraj, S. and Muthu, M. 1977. X-ray studies on the effect of *Bacillus thuringiensis* Berliner on the feeding activity in three species of Lepidoptera. *Current Science*, **45**: 772.
556. Narayanan, K., Govindarajan, R., Jayaraj, S., Raj, S. P. and Kutty, M. N. 1977. Non-susceptibility of common carp, *Cyprinus carpio* L. to nuclear polyhedrosis virus, Baculovirus amsacta of groundnut red hairy caterpillar. *Madras Agricultural Journal*, **64**: 411-412.
557. Narayanan, K., Jayaraj, S. and Govindarajan, R. 1976. Further observations on the mode of action of *Bacillus thuringiensis* on *Papilio demoleus* and *Spodoptera litura*. *Journal of Invertebrate Pathology*, **28**: 269-270.
558. Narayanan, K., Jayaraj, S. and Subramaniam, T. R. 1987. Adsorption of polyhedra of a nuclear polyhedrosis virus of *Heliothis armigera* in two different types of soils. *Insect Science and its Application*, **8**: 53-56.
559. Narayanan, K., Kumar, S. and Shetty, G. P. 2006. Occurrence of nuclear polyhedrosis virus on tea looper, *Buzura supressaria* (Guenee) (Geometridae: Lepidoptera). *Insect Environment*, **12**: 41.
560. Narayanan, K., Kumar, S. and Shetty, G. P. 2006. Outbreak of cotton leafworm, *Spodoptera litura* (Fabricius), on garden pea and natural occurrence of nuclear polyhedrosis virus. *Insect Environment*, **12**: 42.
561. Narayanan, K., Ramamurthy, V. V., Govindarajan, R. and Jayaraj, S. 1977. Sexing the pupae of gram caterpillar, *Heliothis armigera* Hbn. (Lepidoptera: Noctuidae) in relation to certain morphometric characters. *Current Science*, **46**: 192-193.
562. Narayanan, K., Santharam, G., Easwaramoorthy, S. and Jayaraj, S. 1979. Effect of nucleopolyhedrosis virus on nitrogen, uric acid and protein contents of groundnut, red-hairy caterpillar, *Amsacta albistriga*. *Current Science*, **48**: 219-220.
563. Narayanan, K., Sethuraman, V., Mamata, S. M., Kumar, M., Divya, A. and Shetty, G. P. 2009. New record of nucleopolyhedrovirus disease in spotted bollworm of cotton, *Earias vittella* (Boisd) (Noctuidae: Lepidoptera). *Insect Environment*, **15**: 20-21.
564. Narayanan, K., Subramaniam, T. R. and Jayaraj, S. 1977. Factors responsible for the distribution of PIB of nuclear polyhedrosis virus of the groundnut red-hairy caterpillar, *Amsacta albistriga* Wlk. *Journal of Entomological Research*, **1**: 218-220.
565. Narayanan, K., Thangavelu, P. and Subramaniam, T. R. 1976. New record of *Bacillus cereus* and *Streptococcus* sp. on the pink bollworm of cotton, *Pectinophora gossypiella* (S.). *Current Science*, **45**: 235-236.
566. Navatha, S. and Murthy, K. S. 2006. Host preference for ovipositor and feeding by the diamondback moth, *Plutella xylostella* Linn. (Yponomeutidae: Lepidoptera). *Annals of Plant Protection Sciences*, **14**: 283-286.
567. Nayar, R. and Ramanujam, B. 1985. New hosts for forest Pathogens. *Myforest*, **21**: 25.

568. Nayar, R. and Ramanujam, B. 1985. Root system of spiked sandal. *Indian Journal of Forestry*, **8**: 141-146.
569. Nayar, R. and Ramanujam, B. 1988. Dieback in *Santalum album* and other forest species. *Indian Journal of Forestry*, **11**: 258-260.
570. Nedunchezhiyan, M., Shivalingaswamy, T. M. and Naskar, S. K. 2002. Effect of sowing dates on biomass production and yield of yam bean (*Pachyrhizus erosus* L.) genotypes. *Journal of Root Crops*, **28**: 26-29.
571. Nedunchezhiyan, M., Misra, R. S. and Shivalingaswamy, T. M. 2002. Elephant foot yam (*Amorphophallus paeonifolius* (D) Nicolson) as an intercrop in banana and papaya. *Orissa Journal of Horticulture*, **30**: 80-82.
572. Nirmala, R., Harlapur, S. I., Ramanujam, B., Rabindra, R. J. and Rao, N. S. 2007. Effect of entomofungal pathogens on sugarcane woolly aphid, (*Ceratovacuna lanigera*) and its predators. *Journal of Biological Control*, **21**(special issue): 179-182.
573. Nirmala, R., Ramanujam, R., Rabindra, R. J. and Rao, N. S. 2005. Growth parameters of some entomofungal pathogens and production of dust-free spores on rice medium. *Journal of Biological Control*, **19**: 121-128.
574. Nirmala, R., Ramanujam, R., Rabindra, R. J. and Rao, N. S. 2006. Effect of entomofungal pathogens on the mortality of three aphid species. *Journal of Biological Control*, **20**: 89-94.
575. Ojha, R., Jalali, S. K., Mushtak Ali, T. M., Venkatesan, T., Prosser, S. W. and Krishna Kumar, N. K. 2014. DNA barcoding of Indian ant species based on *cox1* gene. *Indian Journal of Biotechnology*, **13**: 165-171.
576. Padmanaban, B., Sundararaju, P., Cannayane, I. and Hussaini, S. S. 2002. Effect of entomopathogenic nematode, *Heterorhabditis indica* PDBC EN 13.3 on banana stem weevil, *Odoiporus longicollis in-vitro*. *Indian Journal of Nematology*, **32**: 183-233.
577. Pandey, P. K., Shivalingaswamy, T. M., Pandey, K. K., De, N., Satpathy, S. and Prasad, K. 2006. Dissipation pattern of endosulfan residue in/on tomato. *Vegetable Science*, **33**: 212-213.
578. Pandey, P. K., Shivalingaswamy, T. M., Pandey, K. K., De, N., Satpathy S. and Prasad, K. 2004. Dissipation pattern of dimethoate residue in cabbage. *Vegetable Science*, **31**: 181-182.
579. Patel, R. K., Jhala, R. C., Joshi, B. K., Sisodiya, D. B., Verghese, A., Mumford, J. D. and Stonehouse, J. M. 2005. Effectiveness of solvents for soaked –block annihilation of male fruit flies in Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 123-125.
580. Patel, R. K., Verghese, A., Patel, V. M., Joshi, B. K., Stonehouse, J. M. and Mumford, J. D. 2005. Bait, lure and cultural IPM of fruit flies in mangoes in Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 155-158.
581. Patel, Z. P., Jhala, R. C., Jagdale, V. S., Sisodiya, D. B., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Methyl eugenol and *Ocimum sanctum* in fruit fly traps in Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 126-128.
582. Patel, Z. P., Jhala, R. C., Jagdale, V. S., Sisodiya, D. B., Stonehouse, J. M., Verghese, A., Stonehouse, J. M. and Mumford, J. D. 2005. Effectiveness of woods for soaked-block annihilation of male fruit flies in Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 117-120.
583. Patel, Z. P., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Roles of lure and insecticide in male fruit fly annihilation. *Pest Management in Horticultural Ecosystems*, **11**: 131-132.
584. Patil, J. and Gaur, H. S. 2014. Relationship between population density of root-knot nematode, *Meloidogyne graminicola* and the growth and nutrient uptake of rice plant. *Vegetos*, **27**: 129-137.
585. Patil, J. and Gaur, H. S. 2014. The effect of root-knot nematode, *Meloidogyne graminicola*, on the quality and vigour of rice seed. *Nematology*, **16**: 555-564.
586. Patil, J., Miller, A. and Gaur, H. S. 2013. Effect of nitrogen supply form on the invasion of rice roots by the root-knot nematode, *Meloidogyne graminicola*. *Nematology*, **15**: 483-492.
587. Patil, J., Powers, S. J., Davies, K. G., Gaur, H. S. and Miller, A. J. 2013. Effect of root nitrogen supply forms on attraction and repulsion of second-stage juveniles of *Meloidogyne graminicola*. *Nematology*, **15**: 469-482.
588. Patil, S., Sriram, S. and Naik, M. K. 2010. Plant pathogenic viruses and their use in nanotechnology. *Agrobios Newsletter*, **8**: 15-16.
589. Patil, S., Sriram, S. and Savitha, M. J. 2011. Evaluation of non-pathogenic *Fusarium* for antagonistic activity against *Fusarium* wilt of tomato. *Journal of Biological Control*, **25**: 118-123.

590. Patil, S., Sriram, S., Savitha, M. J. and Arulmani, N. 2011. Induced systemic resistance in tomato by non-pathogenic *Fusarium* species for the management of *Fusarium* wilt. *Archives of Phytopathology and Plant Protection*, **44**: 1621-1634.
591. Peter, C., David, B. V. and Ramani, S. 1987. Toxicity of chlorpyrifos to natural enemies. *Current Research, University of Agricultural Sciences, Bangalore*, **16**: 69-70.
592. Poorani, J. 1998. A new species of *Serangium* Blackburn (Coleoptera: Coccinellidae), with a key to species, from India. *Journal of Biological Control*, **12**: 55-61.
593. Poorani, J. 2000. First record of the genus *Microserangium* Miyatake (Coleoptera: Coccinellidae) from India, with description of a new species. *Journal of Biological Control*, **14**: 45-47.
594. Poorani, J. 2001. A review of the genus *Pseudaspidimerus* Kapur (Coleoptera: Coccinellidae) of the Indian subregion, with description of a new species. *Oriental Insects*, **35**: 299-310.
595. Poorani, J. 2002. A review of the genus *Oenopia* Mulsant (Coleoptera: Coccinellidae) from the Indian subcontinent, with description of a new species. *Oriental Insects*, **36**: 97-116.
596. Poorani, J. 2002. An annotated checklist of the Coccinellidae (Coleoptera) (excluding Epilachninae) of the Indian subregion. *Oriental Insects*, **36**: 307-383.
597. Poorani, J. 2003. A new species of *Protoplotina* Miyatake (Coleoptera: Coccinellidae) from India. *Zootaxa*, **325**: 1-5.
598. Poorani, J. 2003. A new species of *Telsimia* Casey (Coleoptera: Coccinellidae) from Karnataka, India. *Entomon*, **28**: 51-53.
599. Poorani, J. 2003. A new species of the genus *Synonychomorpha* Miyatake (Coleoptera: Coccinellidae) from South India. *Zootaxa*, **212**: 1-6.
600. Poorani, J. 2005. Notes on the Coccinellidae (Coleoptera) of the Indian subcontinent, including new synonymies. *Journal of Biological Control*, **18**: 185-187.
601. Poorani, J. 2007. First record of *Hippodamia variegata* (Goeze) (Coleoptera: Coccinellidae) from South India. *Journal of Biological Control*, **21**: 295-296.
602. Poorani, J. and Booth, R. G. 2005. On the identity of *Dysis excellens* Crotch (Coleoptera: Coccinellidae: Coccinellini), a little known Oriental lady beetle. *Zootaxa*, **875**: 1-5.
603. Poorani, J. and Booth, R. G. 2006. A new sibling species of *Halysia straminea* (Hope) (Coleoptera: Coccinellidae: Coccinellinae) from the Indian subcontinent. *Zootaxa*, **1354**: 63-68.
604. Poorani, J. and Booth, R. G. 2006. New synonymies in Oriental Sticholotidini (Coleoptera: Coccinellidae: Sticholotidinae). *Zootaxa*, **1139**: 27-33.
605. Poorani, J. and Ramamurthy, V. V. 1997. Weevils of the genus *Lepropus* Schoenherr from the Oriental region (Coleoptera: Curculionidae: Entiminae). *Oriental Insects*, **31**: 1-82.
606. Poorani, J. and Ramamurthy, V. V. 2001. Biosystematics of intraspecific populations of Entimine weevil *Lepropus lateralis* (Fabricius) (Curculionidae: Coleoptera) from Delhi. *Annals of Plant Protection Sciences*, **9**: 1-4.
607. Poorani, J. and Slipinski, A. 2005. Notes on the genus *Protothea* Weise with redescription of *P. quadripunctata* (Mulsant) (Coleoptera: Coccinellidae: Coccinellini). *Annales Zoologici*, **55**: 45-49.
608. Poorani, J. and Ślipiński, A. 2009. A revision of the genera *Scymnodes* Blackburn and *Apolinus* Pope et Lawrence (Coleoptera: Coccinellidae). *Annales Zoologici*, **59**: 549-584.
609. Poorani, J. and Ślipiński, A. 2010. A revision of the genus *Rhynchortalia* Crotch (Coleoptera: Coccinellidae). *Zootaxa*, **2423**: 25-43.
610. Poorani, J., Rajeshwari, S. K. and Gupta, A. 2010. Notes on the diagnosis and biology of *Aenasius bambawalei* Hayat (Hymenoptera: Encyrtidae), a parasitoid of the invasive mealybug, *Phenacoccus solenopsis* Tinsley (Hemiptera: Sternorrhyncha: Pseudococcidae). *Journal of Biological Control*, **23**: 463-466.
611. Poorani, J., Slipinski, A. and Booth, R. G. 2008. A revision of *Synona* Pope (Coleoptera: Coccinellidae: Coccinellini). *Annales Zoologici*, **58**: 579-594.
612. Poorani, J., Vandenberg, N. J., and Booth, R.G. 2011. A review of the genus *Stictobura* Crotch and description of a new species of *Sticholotis* Crotch (Coleoptera: Coccinellidae: Sticholotidinae). *Zootaxa*, **3031**: 1-13.
613. Prameela, M., Rajeswari, B., Prasad, R. D. and Reddy, D. R. R. 2005. Bioefficacy of Antagonists against *Fusarium oxysporum* f. sp. *carthami* isolates inciting safflower wilt. *Journal of Mycology and Plant Pathology*, **35**: 272-274.
614. Prasad, R. D. and Kulshrestha, D. D. 1996. Seedborne nature of *Alternaria helianthi* in sunflower, its detection and location in seed. *Seed Research*, **24**: 140-144.
615. Prasad, R. D. and Kulshrestha, D. D. 1998. Bacterial antagonists of *Alternaria helianthi* of sunflower. *Journal of Mycology and Plant Pathology*, **29**: 127-128.

616. Prasad, R. D. and Kulshrestha, D. D. 1999. Acetone infusion of fungicides into sunflower seed for the control of seedborne *Alternaria helianthi*. *Seed Research*, **27**: 217-219.
617. Prasad, R. D. and Kulshrestha, D. D. 1999. Effect of seedborne *Alternaria helianthi* on seedling vigour and blight incidence in sunflower. *Seed Research*, **27**: 93-96.
618. Prasad, R. D. and Kulshrestha, D. D. 2002. Effect of some bacterial antagonists on seedling blight of sunflower caused by *Alternaria helianthi*. *Plant Disease Research*, **17**: 65-66.
619. Prasad, R. D. and Rangeshwaran, R. 1997. Efficacy of mycelial preparations of *Trichoderma* and *Gliocladium* in biocontrol of *Rhizoctonia solani* infection of chickpea. *International Journal of Tropical Plant Diseases*, **15**: 231-236.
620. Prasad, R. D. and Rangeshwaran, R. 1999. Granular formulation of *Trichoderma* and *Gliocladium* in biocontrol of *Rhizoctonia solani* of chickpea. *Journal of Mycology and Plant Pathology*, **29**: 222-226.
621. Prasad, R. D. and Rangeshwaran, R. 2000. A modified liquid medium for mass production of *Trichoderma* by fermentation process. *Plant Disease Research*, **15**: 209-211.
622. Prasad, R. D. and Rangeshwaran, R. 2000. An improved medium for mass production of the biocontrol fungus *Trichoderma harzianum*. *Journal Mycology and Plant Pathology*, **30**: 233-235.
623. Prasad, R. D. and Rangeshwaran, R. 2000. Effect of soil application of a granular formulation of *Trichoderma harzianum* on seed rot and damping-off of chickpea incited by *Rhizoctonia solani*, saprophytic growth of the pathogen and bioagent proliferation. *Journal of Mycology and Plant Pathology*, **30**: 216-220.
624. Prasad, R. D. and Rangeshwaran, R. 2000. Shelf life and bioefficacy of *Trichoderma harzianum* formulated in various carrier materials. *Plant Disease Research*, **15**: 38-42.
625. Prasad, R. D. and Rangeshwaran, R. 2001. Biological control of root and collar rot of chickpea caused by *Sclerotium rolfsii*. *Annals of Plant Protection Sciences*, **9**: 297-303.
626. Prasad, R. D., Rangeshwaran, R. and Sreerama Kumar, P. 1999. Biological control of root and collar rot of sunflower. *Journal of Mycology and Plant Pathology*, **29**: 184-188.
627. Prasad, R. D., Rangeshwaran, R. and Sunanda, C. R. 2001. Jaggery - An easily available alternative to molasses for mass production of *Trichoderma harzianum*. *Plant Disease Research*, **17**: 363-365.
628. Prasad, R. D., Rangeshwaran, R., Anuroop, C. P. and Phanikumar, P. R. 2002. Bioefficacy and shelf life of conidial and chlamyospore formulation of *Trichoderma harzianum*. *Journal of Biological Control*, **16**: 145-148.
629. Prasad, R. D., Rangeshwaran, R., Hegde, S. V. and Anuroop, C. P. 2000. Effect of soil and seed application of *Trichoderma harzianum* on pigeonpea wilt caused by *Fusarium udum* under field conditions. *Crop Protection*, **21**: 293-297.
630. Prasad, R. D., Rangeshwaran, R., Sunanda, C. R. and Vinita, J. 2001. Biological control of black spot of rose caused by *Diplocarpon rosae*. *Annals of Plant Protection Sciences*, **10**: 256-259.
631. Prasad, R. D., Sreerama Kumar, P. and Narayanan, K. 1998. Biological control of botrytisgrey mold of rose. *Journal of Mycology and Plant Pathology*, **28**: 61-63.
632. Prasad, V. G. and Verghese, A. 1985. Birds as pests of Horticultural Crops. *Bulletin of Entomology*, **26**: 94-96.
633. Prashanth Mohanraj and Veenakumari, K. 1995. Biology and status of *Papilio mayo* Atkinson (Lepidoptera: Papilionidae) in the Andaman and Nicobar islands, India. *The Entomologist* (U.K.), **114**:166-178.
634. Prashanth Mohanraj and Veenakumari, K. 1994. The larval food plant and life history of *Graphium* (*Pathysa*) *epaminondas* Oberthur - A papilionid endemic to the Andaman islands. *Butterflies* (Japan), **7**: 27-34.
635. Prashanth Mohanraj and Veenakumari, K. 1996. Host plants, phenologies and status of swallowtails (Papilionidae), Lepidoptera, in the Andaman and Nicobar Islands, Bay of Bengal, Indian Ocean. *Biological Conservation* (U.K.), **78**: 215-221.
636. Prashanth Mohanraj and Veenakumari, K. 1996. Nomenclature, classification and the basis of the Schedules in the Indian Wildlife (Protection) Act, 1972. *Current Science*, **70**: 428-432.
637. Prashanth Mohanraj and Veenakumari, K. 1996. Perspectives on the zoogeography of the Andaman and Nicobar islands, India. *Malayan Nature Journal*, **50**: 99-106.
638. Prashanth Mohanraj and Veenakumari, K. 1998. *Badamia exclamationis* (Fabricius, 1775) (Lepidoptera: Hesperiiidae) - A nursery pest of *Terminalia bialata* Steud. *The Indian Forester*, **125**: 737-738.

639. Prashanth Mohanraj and Veenakumari, K. 2000. Mycophagous arthropods from the Andaman Islands. *Journal of the Bombay Natural History Society*, **97**: 161-162.
640. Prashanth Mohanraj and Veenakumari, K. 2002. Biology of *Antheraea andamana* (Saturniidae) on the Andaman islands, Indian Ocean. *The Journal of the Lepidopterists' Society*, **56**: 123-128.
641. Prashanth Mohanraj and Veenakumari, K. 2011. Butterflies of the Andaman and Nicobar islands: History of collection and checklist. *Zootaxa*, **3050**: 1-36.
642. Prashanth Mohanraj, Ali, M. and Veenakumari, K. 2010. Formicidae of the Andaman and Nicobar Islands (Indian Ocean: Bay of Bengal). *Journal of Insect Science*, **10**: 172 available online: insectscience.org/10.172.
643. Prashanth Mohanraj, Sharma, T. V. R. S., Rao, M. K. V. and Veenakumari, K. 1994. *Parthenium hysterophorus* L. (Asteraceae) from Neil Island - A new adventive to the Andaman and Nicobar islands. *Journal of the Bombay Natural History Society*, **91**: 161-162.
644. Prashanth Mohanraj, Veenakumari, K and Ranganath, H. R. 1996. The Giant African Snail (*Achatina fulica*) in Andaman and Nicobar islands. *Journal of Andaman Science Association*, **11**: 47-50.
645. Prashanth Mohanraj, Veenakumari, K. and Mandal, A. B. 1995. Biocontrol of the yellowstem borer using *Trichogramma* - a parasitoid native to the Andamans. *Rice Biotechnology Quarterly*, **3**: 9-10.
646. Prashanth Mohanraj, Veenakumari, K. and Naumann, S. 1998. *Samia fulva* Jordan, 1911 from the Andaman Islands, India (Indian Ocean) - pre-imaginal instars, their host plants and taxonomical notes (Lepidoptera: Saturniidae). *Nachrichten des entomologischen Vereins Apollo N. F.* (Germany), **19**: 51-63.
647. Prashanth Mohanraj, Veenakumari, K. and Peigler, R. S. 1993. The host plant and pre-imaginal stages of *Actias callandra* (Lepidoptera: Saturniidae) from the Andaman Islands Bay of Bengal, Indian Ocean. *Journal of Research on the Lepidoptera* (USA), **32**: 16-25.
648. Prashanth Mohanraj, Veenakumari, K. and Ranganath, H. R. 1994. Insect pests of rice and their natural enemies from Andaman and Nicobar islands. *Oryza*, **32**: 38-41.
649. Prashanth Mohanraj, Veenakumari, K. and Ranganath, H. R. 1996. Further records of insect pests of plantation crops in the Andaman and Nicobar islands. *Journal of Andaman Science Association*, **12**: 76-79.
650. Prashanth Mohanraj, Veenakumari, K. and Ranganath, H. R. 1997. Insects from the Andaman and Nicobar islands as potential agents for use in the biological control of weeds. *Journal of Andaman Science Association*, **13**: 91-93.
651. Prathapan, K. D., Priyadarsanan, D. and Poorani, J. 2009. Protectionism and natural history research in India. *Current Science*, **97**: 1411-1413.
652. Prathapan, K. D., Priyadarsanan, D., Narendran, T. C., Viraktamath, C. A., Subramanian, K. A., Aravind, N. A. and Poorani, J. 2006. Biological Diversity Act, 2002: Shadow of permit-raj over research. *Current Science*, **91**: 1006-1007.
653. Prathapan, K. D., Priyadarsanan, D., Narendran, T. C., Viraktamath, C. A., Aravind, N. A. and Poorani, J. 2008. Death sentence on taxonomy in India. *Current Science*, **94**: 170-171.
654. Pratheepa M., Biswas S. R., Ballal C. R., and Singh S. P. 2004. Helico-Info computer database for *Helicoverpa armigera*. *Agricultural Extension Review*, **16**: 3-6, 10.
655. Pratheepa, M., Jalali, S. K., Robinson, A. S., Venkatesan, T., Nagesh, M., Panda, M. and Pattar, S. 2014. Insect Barcode Information System. *Bioinformation*, **10**: 98-100.
656. Pratheepa, M., Meena, K., Subramaniam, K. R., Venugopalan, R. and Bheemanna, H. 2010. Seasonal population fluctuations of the cotton bollworm, *Helicoverpa armigera* (Hübner) in relation to biotic and abiotic environmental factors at Raichur, Karnataka. *Journal of Biological Control*, **24**: 47-50.
657. Pratheepa, M., Meena, K., Subramaniam, K. R., Venugopalan, R. and Bheemanna, H. 2011. A Decision Tree Analysis for Predicting the Occurrence of the pest, *Helicoverpa armigera* and its natural enemies on cotton based on Economic Threshold Level. *Current Science*, **100**: 238-246.
658. Pratheepa, M., Meena, K., Subramaniam, K. R., Venugopalan, R. and Bheemanna, H. 2011. Neural-Network Classifier for the prediction of occurrence of *Helicoverpa armigera* (Hübner) and its natural enemies. *Journal of Biological Control*, **25**: 134-142.
659. Pratheepa, M., Meena, K., Subramaniam, K.R. and Bheemanna, H. 2013. Decision tree induction model for the population dynamics of mirid bug, *Creontiodes biseratense* (Distant) (Hemiptera: Miridae) and its natural enemies. *Journal of Biological Control*, **27**: 88-94.

660. Puri, S. N., Sharma, O. P., Lavekar, R. C., Murthy, K. S. and Dhandapani, A. 2006. On- farm validation of bio-intensive IPM module in rainfed cotton in southern Maharashtra. *Indian Journal of Plant Protection*, **34**: 248-250.
661. Puri, S. N., Sharma, O. P., Murthy, K. S. and Lavekar, R. C. 2005. Comparative evaluation of different IPM modules in rainfed cotton of Maharashtra. *Annals of Plant Protection Sciences*, **13**: 425-426.
662. Pushpalatha, N. A. 1987. Control of coconut black headed caterpillar *Opisina arenosella* Walker (Lepidoptera: Xylorictidae) through feeding of root with monocrotophos. *Mysore Journal of Agricultural Sciences*, **21**(Supplement): 92.
663. Pushpalatha, N. A. and Veeresh, G. K. 1995. Numerical relationship between *Opisina arenosella* Walker and its natural enemies, *Apanteles taragamae* Vierick and *Parena nigrolineata* Chaudoir on coconut. *Journal of Insect Science*, **8**: 148-150.
664. Pushpalatha, N. A. and Veeresh, G. K. 1995. Population fluctuation of coconut black-headed caterpillar *Opisina arenosella* Walker (Lepidoptera: Xylorictidae). *Journal of Plantation Crops*, **23**: 44-47.
665. Pushpalatha, N. A. and Veeresh, G. K. 1995. Suitable transformation for the population count of coconut black headed caterpillar, *Opisina arenosella* Walker (Lepidoptera: Xylorictidae). *Entomon*, **20**: 27-30.
666. Pushpalatha, N. A., Singh, S. P., Bakthavatsalam, N. and Bhumannavar, B. S. 1994. Semi-synthetic larval diet for *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae). *Journal of Biological Control*, **8**: 54-56.
667. Rabindra, R. J., Mohanraj, P., Poorani, J., Jalali, S. K., Joshi, S. and Ramani, S. 2002. *Ceratovacuna lanigera* Zehntner (Homoptera: Aphididae), a serious pest of sugarcane in Maharashtra and attempts at its management by biological means. *Journal of Biological Control*, **16**: 171-172.
668. Rai, A. B., Kumar, A., Satpathy, S., Shivalingaswamy, T. M. and Rai, M. 2007. Efficacy of indoxacarb 15EC in the control of diamondback moth *Plutella xylostella* L. in cabbage. *Vegetable Science*, **34**: 160-162.
669. Rai, A. B., Satpathy, S., Gracy, R. G. and Shivalingaswamy, T. M. 2009. Some approaches in management of sucking pests with special reference to tarsonemid mite, *Polyphagotarsonemus latus* Banks. *Vegetable Science*, **36**: 297-303.
670. Rai, A. B., Satpathy, S., Gracy, R. G., Shivalingaswamy, T. M. and Rai, M. 2007. Yellow mite (*Polyphagotarsonemus latus* Banks) menace in chilli crop. *Vegetable Science*, **34**: 1-13.
671. Rai, A. K., Ballal, C. R., Singh, S. P. and Srinivasan, R. 2001. Effect of continuous and selective laboratory rearing of *Helicoverpa armigera* (Huebner) *Nature Conservators*, **13**: 57-60.
672. Rai, A. K., Ballal, C. R., Singh, S. P., Srinivasan, R. 2005. Substrate preference for egg laying and modification of larval rearing unit of *Helicoverpa armigera* (Hubner). *Indian Journal of Entomology*, **67**: 97-99.
673. Rai, M., Singh, N., Hiralal, Rai, A. B., Satpathy, S., Shivalingaswamy, T. M., Pandey, A. K., Yadav, D. S. and Kumar, R. 2007. Growing vegetables: An enterprise. *Indian Horticulture*, **52**: 25-27.
674. Raj Kumar, Rangeshwaran R, Shivakumar, G. and Nagesh, M. 2012. *In-vitro* potency evaluation of *Pseudomonas* spp. against root-knot nematode, *Meloidogyne incognita*. *Indian Journal of Nematology*, **42**: 156-160.
675. Raj Kumar, Rangeshwaran, R., Sivakumar, G. and Nagesh, M. 2013. Screening and in-vitro evaluation of native *Pseudomonas* spp., against nematode pathogens and soil borne fungal pathogens. *Journal of Biological Control*, **27**: 305-311.
676. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial dynamics of black aphid, *Toxoptera aurantii* Fon. on citrus at midhill altitudes of Meghalaya. *Indian Journal of Citriculture*, **1**: 72-78.
677. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial distribution of pod boring weevil, *Apion clavipes* Gerst. (Apionidae: Coleoptera) on pigeonpea. *Indian Journal of Entomology*, **64**: 88-91.
678. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial distribution of rice gundhi bug *Leptocoris oratorius* Fab. in Meghalaya. *Insect Environment*, **7**: 148-149.
679. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatio-temporal changes in the infestation of citrus leafminer, *Phyllocnistis citrella* Stantion in Meghalaya. *Entomon*, **27**: 169-178.
680. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial distribution of Gundhi bug *Cletus signatus* on rice in Meghalaya. *Insect Environment*, **7**: 147.

681. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial distribution of green aphid *Acyrtosiphum pisum* (Harris) and its predator *Coccinella transversalis* Fab. on field pea. *Indian Journal of Entomology*, **64**: 418-423.
682. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2002. Spatial distribution of stemfly, *Melanagromyza phaseoli* Tryor on Field Pea. *Annals of Plant Protection Sciences*, **10**: 59-61.
683. Rajasekhara Rao, K., Pathak, K. A. and Shylesha, A. N. 2003. Influence of different formulations of insecticides on insect pests and their natural enemies of soybean. *Indian Journal of Plant Protection*, **31**:129-133.
684. Rajasekhara Rao, K., Shylesha, A. N. and Pathak, K. A. 2001. Spatial dynamics of citrus mealy bug *Planococcus citri* Risso at medium altitudes of Meghalaya. *Indian Journal of Hill Farming*, **14**: 48-52.
685. Rajasekhara Rao, K., Shylesha, A. N. and Pathak, K. A. 2002. Spatial distribution of leafminer, *Sebaethe fulvipennis* Illiger (Coleoptera: Chrysomelidae) on Assam Lemon. *Pest Management in Horticultural Ecosystems*, **8**: 91-96.
686. Rajashekar Rao K., Naskar, S. K., Bakthavatsalam N., Prasad, A. R., Sinha, K. and Jayaprakash C. A. 2013. Plant volatile organic compounds as chemical markers to identify resistance in seet potato weevil *Cylas formicarius*. *Current Science*, **105**: 1247-1253.
687. Rajashekar, Y., Ravindra, K. V. and Bakthavatsalam, N. 2012. Leaves of *Lantana camara* Linn. (Verbenaceae) as a potential insecticide for the management of three species of stored grain insect pests. *Journal of Food Science*, **49**:
688. Rajashekar, Y., Vijay Kumar, H., Ravindra, K. V. and Bakthavatsalam, N. 2013. Isolation and characterization of biofumigant from leaves of *Lantana camara* for control of stored grain insect pests. *Industrial Crops and Products*, **51**: 224-228.
689. Rajmohana, K., Srikumar, K. K., Bhat, P. S., Raviprasad, T. N. and Jalali, S. K. 2013. A new species of platygastriids, *Telenomus cuspis* sp. nov. (Hymenoptera), egg parasitoid of tea mosquito bug from India, with notes on its bionomics and mtCo1 data. *Oriental Insects*, **47**: 226-232.
690. Ramakrishnan, S. and Nagesh, M. 2011. Evaluation of beneficial fungi in combination with organics against root-knot nematode, *Meloidogyne incognita*, in FCV tobacco nurseries. *Journal of Biological Control*, **25**: 311-315.
691. Ramamurthy, V. V., Poorani, J., Devakumar, C. and Dureja, P. 1998. Cuticular hydrocarbons and biosystematics of Entomine weevil genera *Lepropus* Schoenherr and *Brachyaspistes* Fahraeus (Curculionidae: Coleoptera). *Entomon*, **23**: 251-257.
692. Ramani, S. 2000. Fortuitous introduction of an aphelinid parasitoid of the spiralling whitefly, *Aleurodicus dispersus* Russell (Homoptera: Aleyrodidae) into the Lakshadweep Islands with notes on host plants and other natural enemies. *Journal of Biological Control*, **14**: 55-60.
693. Ramani, S. and Bhumannavar, B. S. 1990. Pests of patchouli (*Pogostemon patchouli* Pellet) and reaction of some cultivars to the bug *Pachypeltis* sp. (Hemiptera: Miridae). *Indian Perfumer*, **34**: 269-273.
694. Ramani, S. and Bhumannavar, B. S. 2004. Interaction of two indigenous predators of the spiralling whitefly, *Aleurodicus dispersus* Russell with the introduced parasitoid, *Encarsia guadeloupae* Viggiani in India. *Journal of Entomological Research*, **28**: 199-203.
695. Ramani, S. and Lingappa, S. 1989. Evaluation of soybean germplasm for resistance to the leaf miner, *Aproaerema modicella* (Deventer) (Lepidoptera: Gelechiidae). *Karnataka Journal of Agricultural Sciences*, **2**: 76-81.
696. Ramani, S. and Rao, G. M. V. P. 2003. Frass mediated host finding behaviour in *Cotesia flavipes* (Cameron) (Hymenoptera: Braconidae), a larval parasitoid of *Chilo partellus*. *Entomon*, **28**: 241-245.
697. Ramani, S., Poorani, J. and Bhumannavar, B. S. 2002. Spiralling whitefly, *Aleurodicus dispersus*, in India. *Biocontrol News and Information*, **23**: 55N-62N.
698. Ramanujam, B. and Nambiar, K. K. N. 1996. Studies on virulence of different isolates of *Thielaviopsis paradoxa* on coconut. *Journal of Plantation Crops*, **24** (Suppl.): 149-152.
699. Ramanujam, B., Balachander, M., Roopa, G., Rangeswaran, R. and Karmakar, P. 2011. ITS sequencing of Indian isolates of *Lecanicillium* species. *Journal of Biological Control*, **25**: 337-341.
700. Ramanujam, B., Basha, H., Hemannavar, V., Chowdappa, P. and Rangeswaran, R. 2012. Induction of defense related enzymes and phenols in chilli plants by *Bacillus subtilis* against anthracnose pathogen *Colletotrichum capsici*. *Indian Phytopathology*, **65**: 382-385.
701. Ramanujam, B., Chandra Mohanan, R. and Nambiar, K. K. N. 1993. Studies on leaf spot disease of arecanut: Symptoms, Cause and Control. *Journal of Plantation Crops*, **21** (Suppl.): 123-128.

702. Ramanujam, B., Hemannavar, V., Basha, H., Chowdappa, P. and Rangeswaran, R. 2012. Standardization of suitable culture medium and formulation of bacterial antagonists to chilli anthracnose pathogen, *Colletotrichum capsici*. *Journal of Mycology and Plant Pathology*, **42**: 141-145.
703. Ramanujam, B., Hemannavar, V., Basha, H., Rangeshwaran, R. and Sriram, S. 2012. Post harvest fruit bioassay of phylloplane, pomoplane and endophytic microbes against chilli anthracnose pathogen, *Colletotrichum capsici* (Syd.) E. J. Butler & Bisby. *Journal of Biological Control*, **26**: 62-69.
704. Ramanujam, B., M. Balachander, G. Roopa, R. Rangeshwaran and Pritam Karmakar. 2011. Chitinase activity and virulence of different isolates of *Beauveria bassiana*, *Metarhizium anisopliae* and *Lecanicillium* spp. *Journal of Biological Control*, **25**: 223-238.
705. Ramanujam, B., Nambiar, K. K. N. and Iyer, R. 1997. Management of stem bleeding diseases of coconut with fungicide and a biocontrol agent. *Journal of Plantation Crops*, **25**: 175-179.
706. Ramanujam, B., Nambiar, K. K. N. and Iyer, R. 2002. Hyphal, interaction studies between *Thielaviopsis paradoxa* and its antagonistic fungi. *Indian Phytopathology*, **55**: 99-101.
707. Ramanujam, B., Nambiar, K. K. N. and Iyer, R. 2005. Effect of systemic fungicides, aqueous extracts of oil cakes and inorganic soil amendments on *Thielaviopsis paradoxa* and its antagonistic fungi *in vitro*. *Journal of Plantation Crops*, **33**: 107-111.
708. Ramanujam, B., Nambiar, K. K. N., Iyer, R. and Biddappa, C. C. 2004. Mass multiplication of *Trichoderma* sp. on various agricultural and forest byproducts. *Journal of Plantation Crops*, **32** (Suppl.): 395-398.
709. Ramanujam, B., Roopa, G., Karmakar, P. and Basha, H. 2014. Toxicity of extracellular proteins from *Beauveria bassiana* and *Metarhizium anisopliae* on *Spodoptera litura*. *Journal of Pure and Applied Microbiology*, **8**: 715-720.
710. Ramaraju, K. and Poorani, J. 2012. A new species of *Coccipolipus* (Acari: Podapolipidae) parasitic on the giant coccinellid beetle from India. *International Journal of Acarology*, **38**: 260-296.
711. Rameshkumar, A. and Poorani, J. 2013. First report of *Lohiella longicornis* (Noyes & Hayat) (Hymenoptera: Chalcidoidea: Encyrtidae) from India with a key to Indian species. *Journal of Biological Control*, **27**: 43-45.
712. Rameshkumar, A., Noyes, J. S., Poorani, J. and Chong, J. H. 2013. Description of a new species of *Anagyrus* Howard (Hymenoptera: Chalcidoidea: Encyrtidae), a promising biological control agent of the invasive Madeira mealybug, *Phenacoccus madeirensis* Green (Hemiptera: Sternorrhyncha: Pseudococcidae). *Zootaxa*, **3717**: 76-84.
713. Ramya, S. L., Murthy, K. S., Venkatesan, T. and Jalali, S. K. 2013. Biochemical and molecular diversity analysis of culturable bacteria in *Cotesia plutellae* (Kurdjumov) (Hymenoptera: Braconidae), a parasitoid of diamondback moth, *Plutellaxylostella* (Linnaeus). *Journal of Biological Control*, **27**: 260-267.
714. Ranganath, H. R. and Veenakumari, K. 1996. Report of new fruit fly on guava on the Nicobar Islands, India. *Tropical Agriculture* (Trinidad), **73**: 165.
715. Ranganath, H. R. and Veenakumari, K. 1996. Tomato (*Lycopersicon esculentum* Miller): A confirmed host of the melon fly *Bactrocera* (*Zeugodacus*) *cucurbitae* Coquillett. *Insect Environment*, **2**: 1.
716. Ranganath, H. R. and Veenakumari, K. 1998. *Brassica caulorapa* (Brassicaceae) - a definite host of the melon fly *Bactrocera* (*Z.*) *cucurbitae* Coquillett. *Insect Environment*, **5**: 12-13.
717. Ranganath, H. R. and Veenakumari, K. 1998. Notes on the dacine fruit flies (Diptera: Tephritidae) of Andaman and Nicobar Islands - II. *Raffles Bulletin of Entomology*, **47**: 221-224.
718. Ranganath, H. R., Belavadi, V. V. and Prashanth Mohanraj. 1987. Development of the pulse beetle *Callosobruchus chinensis* (Lin.) (Coleoptera: Bruchiidae) on five hosts in Andaman Islands. *Journal of Andaman Science Association*, **3**: 113-118.
719. Ranganath, H. R., Belavadi, V. V. and Prashanth Mohanraj. 1987. Efficacy of Ajwain (*Trachyspermum ammi* (L.)) as a protectant of stored pulses against bruchids. *Journal of Andaman Science Association*, **3**: 138-139.
720. Ranganath, H. R., Prasad, G. S. and Veenakumari, K. 1996. Management of *Spodoptera litura* (Fabricius) in Cauliflower in South Andaman. *Journal of Andaman Science Association*, **12**: 80-81.
721. Ranganath, H. R., Suryanarayana, M. A. and Veenakumari, K. 1996. Papaya - a new host record of carambola fruit fly *Bactrocera* (*B.*) *carambolae* Drew and Hancock. *Insect Environment*, **3**: 37.

722. Ranganath, H. R., Suryanarayana, M. A. and Veenakumari, K. 1997. Management of melon fly (*Bactrocera (Zeugodacus) cucurbitae* Coquillett) in cucurbits in South Andaman. *Insect Environment*, **3**: 32.
723. Ranganath, H. R., Veenakumari, K. and Prasad, G. S. 2000. Carambola fruit fly: Can we prevent its entry into mainland India? *Current Science*, **78**: 373.
724. Ranganath, H. R., Veenakumari, K. and Prashanth Mohanraj. 1995. Additional records of insect pests of pulses in South Andaman. *Entomon*, **20**: 271-272.
725. Ranganath, H. R., Veenakumari, K. and Ramani, S. 1998. A short note on the distribution and host plants of *Bactrocera (Bactrocera) albistrigata* De Meijere (Diptera: Dacinae: Tephritidae) in Andaman and Nicobar islands. *Malayan Nature Journal*, **52**: 161-162.
726. Ranganath, H.R. and Veenakumari, K. 1994. *Bactrocera dorsalis* - A report from Andaman Islands. *F.A.O. Plant Protection Bulletin*, **42**: 71-72.
727. Ranganath, H.R. and Veenakumari, K. 1995. Notes on the dacine fruit flies (Diptera: Tephritidae) of Andaman and Nicobar Islands. *Raffles Bulletin of Zoology*, **43**: 235-238.
728. Ranganath, H.R. and Veenakumari, K. 1995. Some new records of fruit flies (Diptera: Tephritidae) from the Andaman and Nicobar islands. *Entomon*, **21**: 95-97.
729. Rangaswamy, S. D., Reddy, P. P., Nanje Gowda, D. and Nagesh, M. 2001. Influence of *Pasteuria penetrans* Sayre and Starr on the life-cycle of *Meloidogyne incognita* (Kofoid and White) Chitwood in tomato. *Pest Management in Horticultural Ecosystems*, **7**: 168-170.
730. Rangeshwaran, R. and Prasad, R. D. 2000. Biological control of *Sclerotium* rot of sunflower. *Indian Phytopathology*, **53**: 444-449.
731. Rangeshwaran, R. and Prasad, R. D. 2000. Isolation and screening of rhizobacteria for control of chickpea diseases. *Journal of Biological Control*, **14**: 9-15.
732. Rangeshwaran, R., Ashwitha, K., Sivakumar, G. and Jalali, S. K. 2013. Analysis of proteins expressed by an abiotic stress tolerant *Pseudomonas putida* (NBAIL-RPF9) isolate under saline and high temperature conditions. *Current Microbiology*, **67**: 659-667.
733. Rangeshwaran, R., Prasad, R. D. and Anuroop, C. P. 2001. Field evaluation of two bacterial antagonists, *Pseudomonas putida* (PDBCAB 19) and *P. fluorescens* (PDBCAB 2) against wilt and root-rot of chickpea. *Journal of Biological Control*, **15**: 165-170.
734. Rangeshwaran, R., Raj, J. and Sreerama Kumar, P. 2008. Identification of endophytic bacteria in chickpea (*Cicer arietinum* L.) and their effect on plant growth. *Journal of Biological Control*, **22**: 13-23.
735. Rangeshwaran, R., Raj, J. and Sreerama Kumar, P. 2008. Resistance and susceptibility pattern of chickpea (*Cicer arietinum* L.) endophytic bacteria to antibiotics. *Journal of Biological Control*, **22**: 393-403.
736. Rangeshwaran, R., Vajid, N. V., Ramanujam, B., Sriram, S., Bhaskaran, T. V. and Satendar Kumar. 2010. Additives in powder based formulation for enhanced shelf life of *Pseudomonasfluorescens* and *Bacillus* spp. *Journal of Biological Control*, **24**: 158-163.
737. Rangeshwaran, R., Veenakumari, K., Karmakar, P. K., Ashwitha, K., Sivakumar, G. and Satendar Kumar. 2011. Characterization and evaluation of two indigenous *Bacillus thuringiensis* isolates (NBAIL-BTAS and NBAIL-BTG4) against *Helicoverpa armigera*. *Journal of Biological Control*, **25**: 286-293.
738. Rangeshwaran, R., Wasnikar, A. R., Prasad, R. D., Anjula, N. and Sunanda, C. R. 2002. Isolation of endophytic bacteria for biological control of wilt pathogens. *Journal of Biological Control*, **16**: 125-134.
739. Rao, G. M. V. P., Ramani, S. and Singh, S. P. 2001. Field parasitisation of the maize stem borer, *Chilo partellus* (Swinhoe) (Lepidoptera: Pyralidae) in Bangalore. *Journal of Biological Control*, **15**: 193-195.
740. Rao, G. M. V. P., Ramani, S. and Singh, S. P. 2001. Studies on *Cotesia flavipes* and *Tetrastichus howardi* - parasitoids of the maize stem borer *Chilo partellus* (Swinhoe). *Insect Environment*, **7**: 112-113.
741. Rao, G. M. V. P., Ramani, S. and Singh, S. P. 2003. Fecundity of *Chilo partellus* (Swinhoe) in relation to pupal weight. *Annals of Plant Protection Sciences*, **11**: 220-223.
742. Rao, M. S. Vanaja, M. and Joshi, S. 1995. Efficacy of botanicals against castor semilooper, *Achaea janata* Linnaeus and tobacco caterpillar, *Spodoptera litura* Fabricius. *Indian Journal of Dryland Agricultural Research and Development*, **10**: 172-176.
743. Rao, M. S., Reddy, P. P and Nagesh, M. 1998. Evaluation of plant based formulations of *Trichoderma harzianum* for the management of *Meloidogyne incognita* on egg plant. *Nematologia Mediterranea*, **26**: 59-62.

744. Rao, M. S., Reddy, P. P and Nagesh, M. 1999. Bare root dip treatment of tomato seedlings in calotropis or castor leaf extracts with *Paecilomyces lilacinus* spores for the management of *Meloidogyne incognita*. *Nematologia Mediterranea*, **27**: 323-326
745. Rao, M. S., Reddy, P. P and Nagesh, M. 2000. Management of *Meloidogyne incognita* on tomato by integrating *Glomus mossae* with *Pasteuria penetrans* under field conditions. *Pest Management in Horticulture Ecosystems*, **6**: 130-134.
746. Rao, M. S., Reddy, P. P., and Nagesh, M. 1997. Integration of *Paecilomyces lilacinus* with neem leaf suspension for the management of root-knot nematodes on egg plant. *Nematologia Mediterranea*, **25**: 249-252.
747. Raveendranath, S., Krishnayya, P. V., Arjun Rao, P., Krishna Murthy, K. V. M. and Hussaini, S. S. 2007. Bioefficacy of Entomopathogenic nematodes *Steinernema carpocapsae* and *Heterorhabditis indica* against pupae of *Spodoptera litura*. *Indian Journal of Plant Protection*, **36**: 288-291.
748. Raveendranath, S., Krishnayya, P. V., Arjun Rao, P., Krishna Murthy, K. V. M., and Hussaini, S. S. 2007. Bioefficacy of entomopathogenic nematodes *Steinernema carpocapsae* and *Heterorhabditis indica* again third instar larvae of *Spodoptera litura*. *Indian Journal of Nematology*, **37**: 145-148.
749. Razdan, V. K., Ramanujam, B., Rabindra, R. J. and Rao, N. S. 2004. Mass production of *Trichoderma* spp. on spent meals of parasitoid hosts reared in laboratory. *Journal of Biological Control*, **18**: 91-96.
750. Reddy, K. G. and Verghese, A. 2006. Management of shot hole borer, *Xylosandrus crassiusculus* (Motschulsky) (Coleoptera: Scolytidae) on grapes. *Pest Management in Horticultural Ecosystems*, **12**: 107-115.
751. Reddy, K. G. and Verghese, A. 2008. Relationship between the levels of infestation of *Xylosandrus crassiusculus* Motschulsky (Coleoptera: Scolytidae) and growth parameters of grape. *Pest Management in Horticultural Ecosystems*, **14**: 74-80.
752. Reddy, K. G. and Verghese, A. 2008. Utilization of ethanol as attractant in trapping Scoltids in grapes. *Insect Environment*, **14**: 95-96.
753. Reddy, K. G. and Verghese, A. 2009. Biology of *Xylosandrus crassiusculus* (Eichhoff) Reared on Custard Apple *Annona squamosa* L. *Insect Environment*, **15**: 46-47.
754. Reddy, K. G., Verghese, A. and Reddy, L. B. S. 2007. Faunistic survey of scolytids in fruit ecosystems in Karnataka, South India. *Pest Management in Horticultural ecosystems*, **13**: 122-127.
755. Reddy, P. P., Nagesh, M. and Devappa, V. 1997. Effect of integration of *Pasteuria penetrans*, *Paecilomyces lilacinus* and neem cake for the management of root-knot nematodes infecting tomato. *Pest Management in Horticulture Ecosystems*, **3**: 100-104.
756. Reddy, P. P., Rao, M. S. and Nagesh, M. 1996. Integrated management of the citrus nematode *Tylenchulus semipenetrans* using pesticides and parasitic fungus, *Paecilomyces lilacinus*. *Pest Management in Horticulture Ecosystems*, **2**: 61-63.
757. Reddy, P. P., Rao, M. S. and Nagesh, M. 1996. Management of citrus nematode *Tylenchulus semipenetrans* by integration of *Trichoderma harzianum* with oil cakes. *Nematologia Mediterranea*, **24**: 265-267
758. Reddy, P. P., Rao, M. S. and Nagesh, M. 1999. Ecofriendly management of *Meloidogyne incognita* on tomato by integration of *Verticillium chlamydosporium* with neem and calotropis leaves. *Zeitschrift fur Pflanzenkrankheiten und Pflanzenschutz*, **106**: 530-533.
759. Rijesh, K., Puja, R., Hegde, R., Ancy Joseph, Jalali, S. K. and Kush, A. 2012. Genetic diversity estimates in *Trichogramma* populations from sugarcane cropping systems in India. *Karnataka Journal of Agricultural Sciences*, **25**: 68-71.
760. Robinson Silvester, A., Antony, C. J. and Pratheepa, M. 2013. Fast and efficient hashing for sequence similarity search using substring extraction in DNA sequence databases. *International Journal of Computer Applications*, **78**: 13-17.
761. Roopa, G. R., Jalali, S. K., Nagaraja, H. and Lalitha, Y. 2009. Comparison of biological parameters among arrhenotokous and thelytokous forms of *Trichogramma* (Hymenoptera: Trichogrammatidae). *Pest Management in Horticultural Ecosystems*, **15**: 28-32.
762. Roopa, G. R., Jalali, S. K., Nagaraja, H. and Lalitha, Y. 2009. Life Table studies on thelytokous and antibiotically cured trichogrammatids. *Annals of Plant Protection Sciences*, **17**: 362-365.
763. Roopa, H. K., Krishna Kumar, N. K., Asokan, R., Rebijith, K. B., Raiz, M. and Verghese, A. 2012. Phylogenetic analysis of *Trialeurodes* spp. (Hemiptera: Aleyrodidae) from India based on differences in mitochondrial and nuclear DNA. *Florida Entomology*, **95**: 1086-1094.

764. Rouse, P. and Ankita Gupta. 2013. Microgastrinae (Hymenoptera: Braconidae) of Reunion Island: a catalogue of the local species, including 18 new taxa and a key to species. *Zootaxa*, **3616**: 501-547.
765. Rudresh, D. L., Shivaprakash, M. K. and Prasad, R. D. 2005. Effect of combined application of *Rhizobium*, phosphate solubilizing bacterium and *Trichoderma* spp. on growth, nutrient uptake and yield of chickpea (*Cicer arietinum* L.). *Applied Soil Ecology*, **28**: 139-146.
766. Rudresh, D. L., Shivaprakash, M. K. and Prasad, R. D. 2005. Potential of *Trichoderma* spp. as biocontrol agents of pathogens involved in wilt complex of chickpea (*Cicer arietinum* L.). *Journal of Biological Control*, **19**: 157-166.
767. Rudresh, D. L., Shivaprakash, M. K. and Prasad, R. D. 2005. Tricalcium phosphate solubilizing abilities of *Trichoderma* spp. in relation to P uptake and growth and yield parameters of chickpea (*Cicer arietinum* L.). *Canadian Journal of Microbiology*, **51**: 217-222.
768. Rudresh, S., Keshava Reddy, G. and Verghese, A. 2009. Incidence of *Amrasca splendens* Ghauri on different mango cultivars. *Insect Environment*, **15**: 47-48.
769. Rudresh, S., Keshava Reddy, G. and Verghese, A. 2010. Incidence of *Amrasca splendens* Ghauri on different mango cultivars. *Insect Environment*, **16**: 7-9.
770. Sankaranarayanan, C., Hussaini, S. S., Rangeshwaran, R. and Sreerama Kumar, P. 2001. Efficacy of *Pseudomonas fluorescens* alone and in combination with *Pasteuria penetrans* against plant parasitic nematodes. *International Journal of Tropical Plant Diseases*, **19**: 7-13.
771. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Prasad, R. D. 1997. Nematicidal effect of fungal filtrates against root-knot nematodes. *Journal of Biological Control*, **11**: 37-41.
772. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 1998. Biocontrol of root knot nematode (*Meloidogyne incognita*) on sunflower with talc based nematophagous fungi. *International Journal of Tropical Plant Disease*, **16**: 253-260.
773. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 2000. Granular application of antagonistic fungi for the biological control of *Meloidogyne incognita* on tomato. *Indian Journal of Nematology*, **30**: 157-161.
774. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 2000. Biological control of *Meloidogyne incognita* (Kofoid and White 1919) Chitwood 1949 on tomato by *Verticillium chlamydosporium* Goddard cultured on different substrates. *Journal of Biological Control*, **14**: 39-43.
775. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 2001. Biological control of reniform nematode, *Rotylenchus reniformis* with nematophagous fungus *Verticillium chlamydosporium* Goddard on sunflower. *International Journal of Tropical Plant Diseases*, **19**: 1-6.
776. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 2001. Evaluation of substrates for the multiplication of *Verticillium chlamydosporium* Goddard and its biocontrol efficacy against *Heterodera cajani* Koshy on pigeon pea. *Annals of Plant Protection Sciences*, **8**: 200-205.
777. Sankaranarayanan, C., Hussaini, S. S., Sreerama Kumar, P. and Rangeshwaran, R. 2002. Parasitism of *Meloidogyne incognita* eggs by *Fusarium oxysporum* and other fungi. *Indian Journal of Nematology*, **32**: 33-36.
778. Satarkar, V. R., Krishnamurthy, S. V., Falerio, J. R. and Verghese, A. 2009. Spatial distribution of major *Bactrocera* fruit flies attracted to methyl eugenol in different ecological zones of Goa, India. *International Journal of Tropical Insect Science*, **29**: 195-201.
779. Satarkar, V. R., Faleiro, J. R., Krishnamurthy, S. V. and Verghese, A. 2009. Activity of *Bactrocera cucurbitae* (Coquillet) and *Bactrocera tau* (Walker) at different elevations within the midland zone of Goa. *Pest Management in Horticultural Ecosystems*, **15**: 80-82.
780. Sathyanarayana, J., Ballal, C. R. and Rao N. S. 2005. Evaluation of egg parasitoid *Telenomus remus* Nixon and larval parasitoid *Campoletis chloridae* Uchida on *Spodoptera litura* (Fabricius) in castor. *Indian Journal of Plant Protection*, **33**: 26-29.
781. Satpathy S., Kumar, A., Shivalingaswamy, T. M. and Rai, A. B. 2008. Screening of chilli germplasm against yellow mite and thrips on the basis of leaf symptoms. *Progressive Horticulture*, **40**: 227-228.
782. Satpathy, S., Kumar, A., Shivalingaswamy, T. M. and Rai A. B. 2012. Effect of prey on predation, growth and biology of green lacewing, *Chrysoperla zastrowi sillemi* (Esben-Petersen) (Neuroptera: Chrysopidae). *Indian Journal of Agricultural Sciences*, **82**: 55-58.

783. Satpathy, S., Kumar, A., Shivalingaswamy, T. M. and Rai A.B. 2012. Effect of foliar spray of boron on biology, egg laying activity and control of brinjal shoot and fruit borer, *Leucinodes orbonalis* Guen. *Indian Journal of Horticulture*, **69**: 295-298.
784. Satpathy, S., Kumar, A., Shivalingaswamy, T. M. and Rai, A. B. 2006. Infestation of eggplant stem borer, *Euzophera perticella* Ragonot at Varanasi. *Insect Environment*, **12**: 35.
785. Satpathy, S., Kumar, A., Shivalingaswamy, T. M. and Rai, M. 2007. Evaluation of new molecules for diamondback moth management in cabbage. *Indian Journal of Horticulture*, **64**: 175-177.
786. Satpathy, S., Kumar, A., Shivalingaswamy, T. M., Rai, A. B. and Rai, M. 2006. Field efficacy of methomyl against thrips, *Scirtothrips dorsalis* (Hood) in chilli. *Vegetable Science*, **33**: 164-167.
787. Satpathy, S., Rai, S., Shivalingaswamy, T. M., Stonehouse, J. M., Mumford, J. D. and Varghese, A. 2005. Resistance and susceptibility of bittergourd varieties to melon fly in eastern Uttar Pradesh. *Pest Management in Horticultural Ecosystems*, **2**: 162.
788. Satpathy, S., Rai, S., Shivalingaswamy, T. M., Varghese, A., Stonehouse, J. M. and Mumford, J. D. 2005. Laboratory and field effectiveness fruit fly baits in eastern Uttar Pradesh. *Pest Management in Horticultural Ecosystems*, **2**: 99-101.
789. Satpathy, S., Shivalingaswamy T. M., Kumar, A. and Rai, A. B. 2009. Evaluation of crucifers for trap crop of diamondback moth, *Plutella xylostella*. *Insect Environment*, **15**: 22-24.
790. Satpathy, S., Shivalingaswamy, T. M. and Kumar, A. 2009. Bio-efficacy of methomyl for the control of brinjal shoot and fruit borer, *Leucinodes orbonalis*, Guenee (Pyrilidae: Lepidoptera). *Pestology*, **33**: 17-19.
791. Satpathy, S., Shivalingaswamy, T. M. and Rai, A. B. 2006. Biological agents for pest management in vegetables. *Indian Horticulture*, **51**: 12-13.
792. Satpathy, S., Shivalingaswamy, T. M. and Rai, A. B. 2006. Managing brinjal shoot and fruit borer and fruit fly in cucurbits, the IPM way. *Indian Horticulture*, **51**: 14-15.
793. Satpathy, S., Shivalingaswamy, T. M., Kumar, A., Rai, A. B. and Rai, M. 2010. Potentiality of Chinese cabbage (*Brassica rapa* subsp. *pekinensis*) as trap crop for diamondback moth, (*Plutella xylostella* L.) management in cabbage. *Indian Journal of Agricultural Sciences*, **80**: 238-241.
794. Satpathy, S., Shivalingaswamy, T. M., Kumar, A., Rai, A. B. and Rai, M. 2005. Bio intensive management of egg plant shoot and fruit borer, (*Leucinodes orbonalis* Guen.). *Vegetable Science*, **32**: 103-104.
795. Satpathy, S., Shivalingaswamy, T. M., Singh, A. P., Kumar, A. and Rai, A. B. 2007. Insecticide spray volume effects on shoot and fruit borer, *Earias vittella* F. damage and yield in Okra. *Vegetable Science*, **34**: 67-69.
796. Selvakumar, G., Mohan, M., Kundu, S., Gupta, A. D., Joshi, P., Nazim, S., Gupta, H. S. 2007. Cold tolerance and plant growth promotion potential of *Serratia marcescens* strain SRM (MTCC 8708) isolated from flowers of summer squash (*Cucurbita pepo*). *Letters in Applied Microbiology*, **48**: 171-175.
797. Selvakumar, G., Mohan, M., Sushil, S. N., Kundu, S., Bhatt, J. C. and Gupta, H. S. 2007. Characterization and phylogenetic analysis of an entomopathogenic *Bacillus cereus* WGPSB-2 (MTCC 7182) isolated from *Anomala dimidiata*. *Biocontrol Science and Technology*, **17**: 525-534.
798. Selvakumar, G., Sushil, S. N., Stanley, J., Mohan, M., Deol, A., Rai, D., Ram Keval, Bhatt, J. C. and Gupta, H. S. 2011. *Brevibacterium frigoritolerans* a novel entomopathogen of *Anomala dimidiata* and *Holotrichia longipennis* (Scarabaeidae: Coleoptera). *Biocontrol Science and Technology*, **21**: 821-827.
799. Selvapandiyam, A., Arora, N., Rajagopal, R., Jalali, S. K., Venkatesan, T., Singh, S. P. and Bhatnagar, R. 2001. Toxicity analysis of N- and C- terminus deleted vegetative insecticidal protein from *Bacillus thuringiensis*. *Applied and Environmental Microbiology*, **67**: 5855-5858.
800. Shakeela, V. and Hussaini, S. S. 2006. Susceptibility of tobacco cutworm, *Spodoptera litura* Fabricius to some indigenous isolates of entomopathogenic nematodes. *Journal of Ecofriendly Agriculture*, **1**: 64-67.
801. Shakeela, V. and Hussaini, S. S. 2009. Influence of soil type on Infectivity and persistence on indigenous isolates of Entomopathogenic nematodes, *Heterorhabditis indica* and *Steinernema carpocapsae*. *Journal of Biological Control*, **23**: 63-72.
802. Shameer, K. S., Chandrika Mohan, N. and Bakthavatsalam, N. 2002. Electroantennogram responses of coconut leaf eating caterpillar, *Opisina arenosella* Walker and its parasitoid *Brachymeria nosatoi* Habu to different varieties/hybrids of coconut. *Journal of Plantation Crops*, **30**: 60-62.

803. Shanker, C., Mohan, M., Sampath Kumar, M., Lydia, C. and Katti, G. 2013. Functional significance of *Micraspis discolor* (F.) (Coccinellidae: Coleoptera) in rice eco-system. *Journal of Applied Entomology*, **137**: 601-609.
804. Shanker, C., Mohan, M., Sampath Kumar, M., Lydia, C. and Katti, G. 2013. Selection of flowering forbs for conserving natural enemies in rice fields. *Biocontrol Science and Technology*, **23**: 480-484.
805. Sharma, O. P., Lavekar, R. C., Murthy, K. S., Dhandapani, A. and Puri, S. N. 2001. Farmer field school an effective IPM promoter. *Pesticides World*, **5**: 59-60.
806. Sheeba, Prashanth Mohanraj, Singh, P. K. and Prasad, G. S. 2002. Effect of host and food on biological parameters of *Trichogramma japonicum* Ashmead (Hymenoptera: Trichogrammatidae) native to the Andaman Islands. *Journal of Entomological Research*, **26**: 147-151.
807. Shivalingaswamy, T. M., Sriram, S., Byju, G. and Misra, R. S. 2002. Tropical tuber crops production in North-Eastern India: pests, diseases and soil fertility constraints. *Journal of Root Crops*, **28**: 64-68.
808. Shivalingaswamy, T. M. and Balasubramanian, R. 1992. Studies on the susceptibility of groundnut varieties to infestation by *Caryedon serratus* (Coleoptera: Bruchidae). *Bulletin of Grain Technology*, **30**: 137-140.
809. Shivalingaswamy, T. M. and Gopinath, K. 1996. Mycosis of *Eligma narcissus* Cramer (Lepidoptera: Noctuidae) by *Beauveria bassiana* Vuill. *Journal of Applied Zoological Research*, **7**: 149-150.
810. Shivalingaswamy, T. M. and Misra, R. S. 2001. Hornworms and leaf blight: serious threat in taro production. *Journal of Root Crops*, **27**: 409-411.
811. Shivalingaswamy, T. M. and Misra, R.S. 2001. Entomopathogenic nematode, *Steinernema glaseri* on sweet potato weevil (*Cylas formicarius* F.). *Journal of Root Crops*, **27**: 380-382.
812. Shivalingaswamy, T. M. and Roy Chowdhury, S. 2001. Weevil infestation in sweet potato under different irrigation regimes. *Journal of Root Crops*, **27**: 403-404.
813. Shivalingaswamy, T. M. and Sivaramakrishnan, V. R. 1995. A note on the insect pests of *Barringtonia acutangula* Gaertn., an ornamental tree. *Orissa Journal of Horticulture*, **23**: 123-127.
814. Shivalingaswamy, T. M. and Sivaramakrishnan, V. R. 1997. A note on the insect pests of exotic medicinal plant, *Dubosia myoporoides* R.Sr. *Orissa Journal of Horticulture*, **25**: 93-95.
815. Shivalingaswamy, T. M., Balasubramanian, R. and Sivaramakrishnan, V. R. 1991. Studies on the biology of *Caryedon serratus* (Ol.) (Coleoptera: Bruchidae) infesting tamarind fruits. *Myforest*, **27**: 112-116.
816. Shivalingaswamy, T. M., Kumar, A. Satpathy, S., and Rai, A. B. 2008. Efficacy of Indoxacarb against tomato fruit borer, *Helicoverpa armigera* Hubner. *Pestology*, **32**: 39-41.
817. Shivalingaswamy, T. M., Kumar, A., Satpathy, S, Rai, A. B. and Rai. M. 2006. Spinosad: a new molecule for management of diamondback moth (*Plutella xylostella*) in cauliflower. *Vegetable Science*, **33**: 55-57.
818. Shivalingaswamy, T. M., Kumar, A., Satpathy, S. and Bhardawaj, D. R. 2008. Relative susceptibility of bottle gourd cultivars to red pumpkin beetle (*Aulacophorafoveicollis* Lucas). *Vegetable Science*, **35**: 97.
819. Shivalingaswamy, T. M., Kumar, A., Satpathy, S. and Rai, A. B. 2011. Pea leafminer, *Chromatomyia horticola* infestation in different cultivars. *Insect Environment*, **17**: 17-18.
820. Shivalingaswamy, T. M., Kumar, A., Satpathy, S., and Rai, A. B. 2008. Efficacy of emamectin benzoate in the management of vegetable pests. *Progressive Horticulture*, **40**: 193-197.
821. Shivalingaswamy, T. M., Satpathy, S., Singh, B. and Kumar, A. 2002. Predator-prey interaction between jassid (*Amrasca biguttula biguttula* Ishida) and a staphylinid in okra. *Vegetable Science*, **29**: 167-169.
822. Shukla, R P., Verghese, A., Singh, H. S., Patel, R. K., Faleiro, R., Jiji, T., Thomas, J., Manzar, A., Mohantha, A., Joshi, B. K., Mumford, J. D. and Stonehouse, J. M. 2005. The effects of substrate and dose on the catch and persistence of male annihilation killing points for fruit fly control. *Pest Management in Horticultural Ecosystems*, **11**: 133-138
823. Shukla, R. P. and Tandon, P. L. 1984. India insect pests on custard apple. *Plant Protection Bulletin*, **32**: 31.
824. Shukla, R. P. and Tandon, P. L. 1984. Use of insecticides for the control of *Planococcus pacificus* Cox, a mealy bug on custard apple. *Entomon*, **9**: 181-183

825. Shukla, R. P. and Tandon, P. L. 1985. Bio-ecology and management of the mango weevil, *Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae). *International Journal of Tropical Agriculture*, **3**: 293-303.
826. Shukla, R. P., Prasad, V. G. and Tandon, P. L. 1984. Effectiveness of different insecticides against oriental fruitfly, *Dacus dorsalis* Hendel. *Indian Journal of Horticulture*, **41**: 307-309.
827. Shukla, R. P., Tandon, P. L. and Singh, S. J. 1984. Baculovirus - a new pathogen of mango nut weevil, *Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae). *Current Science*, **53**: 593-594.
828. Shukla, R. P., Tandon, P. L. and Suman, C. L. 1985. Spatial distribution of different stages of mango stone weevil, *Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae). *Agriculture, Ecosystems and Environment*, **12**: 135-140.
829. Shukla, R. P., Tandon, P. L. and Suman, C. L. 1985. Intra-tree distribution of the eggs of mango stone weevil, *Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae). *Entomon*, **10**: 215-218.
830. Shylesha, A. N. and Azad Thakur, N. S. 1995. Insect pest Complex of rice bean *Vigna umbellata* Thunberg. An important pulse crop of Meghalaya. *Pestology*, **19**: 8-10.
831. Shylesha, A. N. and Joshi, S. 2012. Occurrence of Madeira mealybug, *Phenacoccus madeirensis* Green (Hemiptera: Pseudococcidae) on cotton in India and record of associated parasitoids. *Journal of Biological Control*, **26**: 272-273.
832. Shylesha, A. N. and Rajagopal, B. K. 1995. Studies on Biology and behaviour of *Antrocephalus galleriae*, a pupal parasite of wax moths. *Journal of Hill Research*, **8**: 232-234.
833. Shylesha, A. N. and Rajagopal, B. K. 1996. Bioecology of greater wax moth, *Galleria mellonella* L., a major pest of *Apis cerena* colonies. *Journal of Hill Research*, **9**: 251-254.
834. Shylesha, A. N. and Rajagopal, B. K. 1996. Biology of *Apanteles galleriae* Wilkinson (Braconidae: Hymenoptera) A larval parasite of wax moth and its hyper parasite *Nesolynx flavipes* Ashmed (Eulophidae: Hymenoptera). *Journal of Hill Research*, **9**: 419-421.
835. Shylesha, A. N. and Rao, K. R. 2004. Insect pests of Passionfruit, *Passiflora edulis* Sims in Meghalaya. *Indian Journal of Entomology*, **66**: 357-360.
836. Shylesha, A. N. and Veeresh, G. K. 1995. Incidence of coffee white stem borer *Xylotrichus quadripes* Chev. In major coffee growing tracks of Karnataka. *Journal of Hill Research*, **8**: 239-241.
837. Shylesha, A. N., Azad Thakur, N. S. and Kumar, M. 1996. Bioecology and management of citrus trunk borer *Anoplophora (Monohammus) versteegi* Ritsema (Coleoptera: Cerambycidae) a major pest of citrus in north eastern India. *Pest management in Horticulture Ecosystems*, **2**: 65-70.
838. Shylesha, A. N., Azad Thakur, N. S. and Kumar, M. 1996. Insect pest complex of jack bean *Canavalia ensiformis* Linn and sword bean *Canavlia gladiata* Jacq vegetable crops of North-east India. *Pestology*, **20**: 11-14.
839. Shylesha, A. N., Azad Thakur, N. S. and Ramchandra. 2000. Incidence of litchi borer, *Aristobia testudo* Voet on Guava in Meghalaya. *Pest management in Horticulture Ecosystems*, **6**: 56-57.
840. Shylesha, A. N., Azad Thakur, N. S., Pathak, K. A. and Rajashekara Rao, K. 2004. Managing ginger stem-borer. *Indian Horticulture*, **49**: 13, 25.
841. Shylesha, A. N., Kumar, M. and Azad Thakur, N. S. 1996. Rodent problem in Beekeeping in Meghalaya. *Rodent News Letter*, **20**: 11-12.
842. Shylesha, A. N., Pathak, K. A. and Azad Thakur, N. S. 2001. Role of sorghum as trap crop in the management of maize cob borer *Stenachroia elongella* Walk. *Indian Journal of Applied Entomology*, **15**: 16-18.
843. Shylesha, A. N., Rao, K. R. and Pathak, K. A. 2003. Biology of leaf mining flea beetle, *Sebaethe fulvipennis* (Chrysomellidae: Coleoptera), a major pest of Assam lemon in Meghalaya. *Indian Journal of Hill Farming*, **16**: 35-37.
844. Singh, H. S., Kumar, S., Verghese, A., Mumford, J. D. and Stonehouse, J. M. 2005. On-station and on-farm bait and lure fruit fly IPM in mangoes in Jharkhand and Orissa. *Pest Management in Horticultural Ecosystems*, **11**: 159-161.
845. Singh, H. S., Mohantha, A., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Fruit fly attraction by food baits in bitter gourd in Orissa. *Pest Management in Horticultural Ecosystems*, **11**: 166.
846. Singh, H. S., Mohantha, S., Verghese, A., Stonehouse, J. M. and Mumford, J. D. 2005. The influence of wood and soaking time on the performance of blocks for the annihilation of male flies in Orissa. *Pest Management in Horticultural Ecosystems*, **11**: 121-122.

847. Singh, H. S., Verghese, A., Stonehouse, J. M., Mumford, J. D., George, S., Naik, G. and Pandey, V. 2008. Developing bait and lure-based integrated pest management module for mango fruit fly (*Bactrocera dorsalis*) management in Orissa. *Indian Journal of Agricultural Sciences*, **78**: 609-613.
848. Singh, I. Kh., Jalali, S. K., Rabindra, R. J., Rao, N. S. and Lalitha, Y. 2004. Comparative life table studies of diamondback moth, *Plutella xylostella* (Linnaeus) on cabbage. *Pest Management in Horticultural Ecosystems*, **10**: 77-81.
849. Singh, I. Kh., Jalali, S. K., Rabindra, R. J., Rao, N. S. and Lalitha, Y. 2005. Role of egg parasitoid *Trichogrammatoidea bactrae* Nagaraja alone in combination with dichlorvos in the management of *Plutella xylostella* (Linnaeus) on cabbage. *Journal of Biological Control*, **18**: 135-139.
850. Singh, P., Joshi, S. and Narayanan, S.S. 1994. Role of induced mutation in genetic improvement of cotton. *Indian Society of Cotton Improvement*, **19**: 113-123.
851. Singh, S. P. 1971. Outbreak of safflower noctuid. *Zashchtina Rastenii*, (Moscow), **7**: 49.
852. Singh, S. P. 1972. Cotton bollworm *Heliothis armigera* Hb. (Lepidoptera, Noctuidae) on cabbage. *Entomologicheskoe Obozrenie*, **51**: 43-46 (in Russian) and English translation in *Entomological Review*, **51**: 27-28.
853. Singh, S. P. 1972. Cotton bollworm in Kuban and basis for its biological control. *Kubanska Selskokh. Inst.*, Krasnodar, 29 pp. (in Russian).
854. Singh, S. P. 1973. Studies on cotton bollworm in the central zone of Krasnodar province. *Trudi Kubansk Selskokh. Institute*, Krasnodar, **47**: 80-84.
855. Singh, S. P. 1974. Observations on the biology of *Trichoplusia orichalcea* Fabr. on potato. *Indian Journal of Plant Protection*, **2**: 127-128.
856. Singh, S. P. 1977. Isolation of an entomophilic nematode from potato cutworms. *Current Science*, **46**: 454-455.
857. Singh, S. P. 1978. Occurrence of *Metarrhizium anisopliae* (Metch.) Sorokin on white grubs in potato fields. *Current Research*, **7**: 173.
858. Singh, S. P. 1982. Some observations on potato cutworms and their natural enemies. *Entomon*, **7**: 197-203.
859. Singh, S. P. 1983. *Heliothis armigera* (Hübner) as a pest of ornamental plants in Shimla hills. *Indian Journal of Plant Protection*, **11**: 95.
860. Singh, S. P. 1986. A note on the adult biology of *Agrotis spinifera* (Hübner) on potato. *Bulletin of Entomology*, **27**: 191-193.
861. Singh, S. P. 1987. Studies on some aspects of the bioecology of potato cutworms in India. *J. Soil Biology and Ecology*, **7**: 135-143.
862. Singh, S. P. 1988. Relative incidence of mango nut weevil *Sternonchetus mangiferae* (Fabricius) on different mango varieties. *Acta Horticulturae*, **231**: 575-580.
863. Singh, S. P. 1991. Natural enemies of *Papilio* spp. *Indian Journal of Horticulture*, **48**: 237-242.
864. Singh, S. P. 1991. Potential of two commercial formulations of *Bacillus thuringiensis* against citrus butterfly caterpillar, *Papilio demoleus* Linnaeus (Lepidoptera: Papilionidae). *Indian Journal of Horticulture*, **48**: 135-138.
865. Singh, S. P. 1992. Frequent outbreaks of *Cricula trifenestrata* Helfer (Lepidoptera, Saturniidae) on mango. *Indian Journal of Plant. Plant Protection*, **20**: 114-115.
866. Singh, S. P. 1993. Effectiveness of an indigenous entomophilic nematode against citrus butterfly. *Journal of Insect Science*, **6**: 107-108.
867. Singh, S. P. 1993. Species composition and diapause in citrus butterflies. *Journal of Insect Science*, **6**: 48-52.
868. Singh, S. P. 1995. Use of entomopathogenic fungus, *Verticillium lecanii* (Zimm.) Viegas, insecticides and their combination for the control of green scale, *Coccus viridis* (Green). *Indian Journal of Horticulture*, **52**: 259-266.
869. Singh, S. P. and Jalali, S. K. 1990. Spread of *Heteropsylla cubana* Crawford, subadult psyllid to Karnataka. *Myforest*, **26**: 153-156.
870. Singh, S. P. and Jalali, S. K. 1991. New record of *Kushala maculata* Dawr. (Homoptera: Cicadellidae) on cotton from South India. *Entomon*, **16**: 248.
871. Singh, S. P. and Jalali, S. K. 1992. Behavioural differences of various strains of *Trichogramma chilonis* collected from cotton ecosystem of different states in India. *Trichogramma News*, **6**: 24-25.
872. Singh, S. P. and Jalali, S. K. 1992. Biological suppression of *Chilo auricilius* on sugarcane in India. *Trichogramma News*, **6**: 25.

873. Singh, S. P. and Jalali, S. K. 1992. Age specific fecundity and life table studies on *Trichogramma embryophagum* (Htg.) and *Trichogramma dendrolimi* Matsumara. *Journal of Biological Control*, **6**: 1-3.
874. Singh, S. P. and Jalali, S. K. 1993. Results on host searching ability of various *T. chilonis* strains. *Trichogramma News*, **7**: 28.
875. Singh, S. P. and Jalali, S. K. 1993. Evaluation of trichogrammatids against *Plutella xylostella*. *Trichogramma News*, **7**: 28.
876. Singh, S. P. and Rao, N. S. 1976. Evaluation of some insecticides against the black citrus aphid, *Toxoptera aurantii* (B. de F.). *Pesticides*, **10**: 21-22.
877. Singh, S. P. and Rao, N. S. 1977. Effectiveness of agricultural spray oil (E-9267) against *Coccus viridis* (Green) and its phytotoxic effect on Coorg mandarin leaves. *Indian Journal of Plant Protection*, **5**: 144-147.
878. Singh, S. P. and Rao, N. S. 1977. Effectiveness of different contact insecticides against soft green scale, *Coccus viridis* Green (Coccidae: Homoptera) on citrus. *Pesticides*, **11**: 33-36.
879. Singh, S. P. and Rao, N. S. 1978. Chemical control of soft green scale *Coccus viridis* (Green) (Coccidae: Homoptera) on Coorg mandarin. *South Indian Horticulture*, **26**: 28-30.
880. Singh, S. P. and Rao, N. S. 1978. Comparative efficacy and relative residual toxicity of some insecticides to the citrus butterfly caterpillar, *Papilio demoleus* Linnaeus (Papilionidae: Lepidoptera). *Entomon*, **3**: 51-56.
881. Singh, S. P. and Rao, N. S. 1978. Further studies on the control of green scale, *Coccus viridis* (Green) (Coccidae: Homoptera). *Pesticides*, **12**: 40-41.
882. Singh, S. P. and Rao, N. S. 1978. Occurrence of *Aphis citricola* van der Goot in India. *Science and Culture*, **44**: 330-331.
883. Singh, S. P. and Rao, N. S. 1979. Field evaluation of fish oil insecticidal rosin soap against soft green scale, *Coccus viridis* (Green) (Coccidae: Homoptera) on citrus. *Indian Journal of Plant Protection*, **7**: 208-210.
884. Singh, S. P. and Rao, N. S. 1979. Preliminary studies on the control of *Coccus viridis* with soil application of certain granulated systematic insecticides on potted Coorg mandarin. *Indian Journal of Plant Protection*, **7**: 11-14.
885. Singh, S. P., Ballal, C. R. and Jalali, S. K. 1992. New initiatives for biological control of DBM in India. *IOBC Plutella Newsletter* 1992: 6-7.
886. Singh, S. P., Bhumannavar, B. S. and Rao, N. S. 1982. Evaluation of different pesticides against the red spider mite, *Tetranychus fijiensis* Hirst on Italian lemon. *Pestology*, **6**: 15-16.
887. Singh, S. P., Jalali, S. K. and Venkatesan, T. 2000. Susceptibility of diamondback moth and its egg parasitoid to a new *Bt* formulation. *Pest Management in Horticultural Ecosystem*, **6**: 114-117.
888. Singh, S. P., Rao, N. S. and Bhumannavar, B. S. 1984. Effectiveness of combination of insecticides against soft green scale, *Coccus viridis* (Green) (Coccidae: Homoptera) on Coorg mandarin. *Pestology*, **8**: 5-8.
889. Singh, S. P., Rao, N. S. and Bhumannavar, B. S. 1986. Chemical control of oriental red mite, *Eutetranychus orientalis* (Klein) on Coorg mandarin. *Pesticides*, **20**: 51-53.
890. Singh, S. P., Rao, N. S. and Kumar, K. K. 1978. Field evaluation of some insecticides for controlling soft brown scale, *Saissetia coffeae* (Walker) (Coccidae: Homoptera) on Coorg mandarin. *Pestology*, **2**: 22-24.
891. Singh, S. P., Rao, N. S. and Kumar, K. K. 1980. Evaluation of certain contact insecticides against soft brown scale, *Saissetia coffeae* (Walker) (Coccidae: Homoptera) on Coorg mandarin. *Pesticides*, **14**: 35-36.
892. Singh, S. P., Rao, N. S. and Kumar, K. K. 1980. Studies on the combination of insecticides for the control of soft green scale, *Coccus viridis* (Green) (Coccidae: Homoptera) on Coorg mandarin. *Pesticides*, **14**: 12-15.
893. Singh, S. P., Rao, N. S. and Kumar, K. K. 1981. Occurrence of vegetable mite, *Tetranychus neocaledonicus* Andre on passion fruit, *Passiflora edulis* Sims and evaluation of certain acaricides against it. *Pestology*, **5**: 25-27.
894. Singh, S. P., Rao, N. S. and Kumar, K. K. 1983. New host records of bark lice *Archipsocus* sp. (Archipsocidae: Psocoptera). *Indian Journal of Plant Protection*, **11**: 94.
895. Singh, S. P., Rao, N. S. and Kumar, K. K. 1983. Studies on the borer pests of citrus. *Indian Journal of Entomology*, **45**: 286-294.
896. Singh, S. P., Rao, N. S., Kumar, K. K. and Bhumannavar, B. S. 1983. Field evaluation of citrus germplasm for the incidence of the oriental red mite, *Eutetranychus orientalis* (Klein). *Indian Journal of Plant Protection*, **11**: 140-142.

897. Singh, S. P., Rao, N. S., Kumar, K. K. and Bhumannavar, B. S. 1988. Field screening of citrus germplasm against the citrus leaf miner, *Phyllocnistis citrella* Stainton. *Indian Journal of Entomology*, **50**: 69-75.
898. Singh, S. P., Rao, N. S., Kumar, K. K. and Singh, H. P. 1991. Occurrence and chemical control of flower thrips *Thrips hawaiiensis* (Morgan) on passion fruit, *Passiflora edulis* Sims. *Journal of Hill Research*, **4**: 126-129.
899. Singh, S., Shenhmar, M., Brar, K. S. and Jalali, S. K. 2007. Impact of insecticides recommended for sugarcane on parasitisation and emergence of high temperature tolerant and Ludhiana strains of *Trichogramma chilonis* Ishii. *Journal of Biological Control*, **21**: 25-30.
900. Singh, S., Shenhmar, M., Brar, K. S. and Jalali, S. K. 2007. Evaluation of different strains of *Trichogramma chilonis* Ishii for the suppression of sugarcane early shoot borer, *Chilo infuscatellus* Snellen. *Journal of Biological Control*, **21**: 247-253.
901. Sisodiya, D B., Jhala, R. C., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Fruitfly control by baits and lures in isolation and combination in little gourd farm fields in central Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 151-152
902. Sisodiya, D B., Jhala, R. C., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Resistance and susceptibility of bitter gourd varieties to melon fly in eastern Uttar Pradesh. *Pest Management in Horticultural Ecosystems*, **11**: 163
903. Sisodiya, D B., Jhala, R. C., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Shelf life properties of wooden blocks for male fruit fly annihilation in Central Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 142-144.
904. Sivakumar, G., Joseph Rajkumar, A. and Rangeshwaran, R. 2012. Bioefficacy of peat formulation of bacterial antagonists on growth promotion and disease suppression in cardamom (*Elettaria cardamomum* Maton). *Journal of Biological Control*, **26**: 255-259.
905. Sivakumar, G. 2012. Evaluation of soil solarization, fungicides and biocontrol agents for the management of *Phytophthora* foot rot in black pepper nursery. *Journal of Mycology and Plant Pathology*, **42**: 120-123.
906. Sivakumar, G. 2012. Management of *Phytophthora* foot rot of black pepper with potassium phosphonate (Akomin) and *Trichoderma harzianum*. *Journal of Mycology and Plant Pathology*, **42**: 372-375.
907. Sivakumar, G. and Rangeshwaran, R. 2013 Evaluation of strain NBAII 63 against bacterial wilt of brinjal *Bacillus megaterium* (*Solanum melongena*). *Journal of Mycology and Plant Pathology*, **43**: 95-98.
908. Sivakumar, G., Joseph Rajkumar, A. and Dhanya, M. K. 2012. Evaluation of bacterial antagonists for the management of rhizome rot of cardamom (*Elettaria cardamomum* Maton). *Journal Spices and Aromatic Crops*, **21**: 09-15.
909. Sivakumar, G., Rangeshwaran, R. and Yandigeri, M. S. 2013. Induced defense response in brinjal plants by *Bacillus megaterium* NBAII 63 against bacterial wilt pathogen, *Ralstonia solanacearum*. *Journal of Biological Control*, **27**: 217-220.
910. Sivakumar, G., Rangeshwaran, R. and Yandigeri, M. S. 2013. Survival and shelf life of *Bacillus megaterium* in various formulations. *Journal of Mycology and Plant Pathology*, **43**: 487-488.
911. Sivakumar, G., Rangeshwaran, R. and Sriram, S. 2011. Screening and identification of potential *Bacillus* spp. for the management of bacterial wilt of brinjal (egg plant). *Journal of Biological Control*, **25**: 229-235.
912. Sivakumar, S., Franco, O. L., Tagliari, P. D., Bloch Jr., C., Mohan, M., Thayumanavan, B. 2005. Screening and purification of a novel trypsin inhibitor from *Prosopis juliflora* seeds with activity toward pest digestive enzymes. *Protein and Peptide Letters*, **12**: 561-565.
913. Sivakumar, S., Franco, O. L., Thayumanavan, B., Murad, A. M., Manickam, A., Mohan, M. and Mridula, M. 2006. Cloning and structural analysis of an Indian little millet (*Panicum sumatrense*) zein-like storage protein: Implications for molecular assembly. *Biochemistry (Moscow)*, **71**: 1183-1191.
914. Sivakumar, S., Mohan, M. and Thayumanavan, B. 2005. Characterization of insect proteinases and their inhibition by finger and little millet inhibitors. *Journal of Plant Biochemistry and Biotechnology*, **14**: 167-171.
915. Sivakumar, S., Mohan, M., Franco, O. L. and Thayumanavan, B. 2006. Inhibition of insect pest α -amylases by little and finger millet inhibitors. *Pesticide Biochemistry and Physiology*, **85**: 155-160.

916. Sivaramakrishnan, V. R. and Shivalingaswamy, T. M. 1991. Twig drying in neem: Causes and control. *Silva's Newsletter* No. 193, Karnataka Forest Department, Bangalore.
917. Sivaramakrishnan, V. R., Ananthapadmanabha, H. S., Ramanujam, B., Subramani, M. And Nayar, R. 1984. Control of seedling disease of Sandal (*Santalum album* L.). *Journal of Indian Academy of Wood Sciences*, **15**: 60-64.
918. Soundararajan, R. P., Chitra, N., Geetha, S. and Poorani, J. 2012. Biological control of bruchid, *Callosobruchus maculatus* (F.) in blackgram. *Journal of Biopesticides*, **5**: 192-195.
919. Sreedevi, K. and Verghese, A. 2007. Seasonal incidence of aphid, *Aphis punicae* Passerini (Homoptera: Aphididae) and its relationship with abiotic factors. *Pest management in Horticultural Ecosystems*, **13**: 165-171.
920. Sreedevi, K., Verghese, A. and Vasudev, V. 2010. Occurrence of entomopathogenic fungi, *Entomophthora aphidis* Hoffman (Zygomycetes: Entomophthorales) in epizootic form on the pomegranate aphid, *Aphis punicae* Passerini. *Current Biotica*, **4**: 82-87.
921. Sreedevi, K., Verghese, A., Vasudev, V. and Sudha Devi, K. 2006. Species composition and abundance of predators with reference to the pomegranate aphid, *Aphis punicae* Passerini. *Pest Management in Horticultural Ecosystems*, **12**: 93-97.
922. Sreekumar, P. V., Veenakumari, K. and Padhye, P. M. 1996. *Mangifera griffithii* (Anacardiaceae) - An addition to the Indian mangoes from Andaman Islands. *Malayan Nature Journal*, **50**: 85-88.
923. Sreekumar, P. V., Veenakumari, K. and Prashanth Mohanraj. 1998. *Ceropegia andamanica* (Asclepiadaceae) - A new 'fly trap flower' from Andaman Islands, India. *Blumea* (Netherlands), **43**: 215-217.
924. Sreekumar, P. V., Veenakumari, K., Subramanian, A. and Prashanth Mohanraj. 1996. Critical notes on the orchid, *Bulbophyllum crassipes* Hook.f.in the Andaman Islands. *Current Science*, **72**: 432.
925. Sreenivas, A. G., Ramanujam, B., Prashanth Mohanraj, Nargund, V. B and Shivaramu, K. 2005. Efficacy of entomopathogenic fungi against red spider mite, *Tetranychus neocalodonicus* Zacher (Acari: Tetranychidae). *Karnataka Journal of Agricultural-Sciences*, **18**: 966-969.
926. Sreerama Kumar, P. 1999. Prospects for the development of mycoherbicides in India. *Pestology*, **23**: 194-205.
927. Sreerama Kumar, P. 2000. A new disease of *Parthenium hysterophorus* incited by an undescribed species of *Cryptosporiopsis*. *Plant Disease*, **84**: 1151.
928. Sreerama Kumar, P. 2007. A technique to study fungal diseases in and to isolate the causal organisms from *Aceria guerreronis*, with special reference to *Hirsutella thompsonii* infection. *Systematic and Applied Acarology*, **12**: 81-83.
929. Sreerama Kumar, P. 2007. Identification of fungal pathogens of the spider mites, *Tetranychus neocalodonicus* André and *Tetranychus urticae* Koch from natural associations and through artificial inoculations. *Journal of Biological Control*, **21**(Special issue): 187-192.
930. Sreerama Kumar, P. and Anuroop, C. P. 2004. A method to test the pathogenicity of fungi to *Aceria guerreronis* with particular reference to *Hirsutella thompsonii*. *Systematic and Applied Acarology*, **9**: 11-14.
931. Sreerama Kumar, P. and Kumar, P. R. P. 2000. A new leaf spot disease of *Partheniumhysterophorus* caused by *Phoma sorghina*. *Indian Phytopathology*, **53**: 115.
932. Sreerama Kumar, P. and Kumar, P. R. P. 2000. *Alternaria zinniae* M. B. Ellis on *Parthenium hysterophorus* L. – A new record from India. *Journal of Mycology and Plant Pathology*, **30**: 133.
933. Sreerama Kumar, P. and Singh, L. 2007. Acarotoxicity of *Hirsutella thompsonii* Fisher exudate with reference to the two-spotted spider mite, *Tetranychus urticae* Koch. *Journal of Biological Control*, **21**(Special issue): 197-202.
934. Sreerama Kumar, P. and Singh, L. 2007. Understanding the pathogenic interaction of *Hirsutella thompsonii* with *Tetranychus urticae*. *Journal of Acarology*, **17**: 29-31.
935. Sreerama Kumar, P. and Singh, L. 2008. Enabling mycelial application of *Hirsutella thompsonii* for managing the coconut mite. *Experimental and Applied Acarology*, **46**: 169-182.
936. Sreerama Kumar, P. and Singh, L. 2009. *Lasiodiplodia theobromae* is a mycoparasite of a powdery mildew pathogen. *Mycobiology*, **37**: 308-309.
937. Sreerama Kumar, P. and Singh, L. 2012. A simple method of storing nonsynnematos and synnematos isolates of *Hirsutella thompsonii* while conserving their pleomorphism, pathogenicity and genetic purity. *Folia Microbiologica*, **57**: 15-19.

938. Sreerama Kumar, P. and Singh, S. P. 2000. First Report of *Lasiodiplodia theobromae* as a foliar pathogen of *Parthenium hysterophorus*. *Plant Disease*, **84**: 1343.
939. Sreerama Kumar, P. and Singh, S. P. 2000. *Hirsutella thompsonii*: The best biological control option for the management of the coconut mite in India. *Indian Coconut Journal*, **31**: 11-17.
940. Sreerama Kumar, P. and Singh, S. P. 2001. Coconut mite in India: Biopesticide breakthrough. *Biocontrol News and Information*, **22**: 76N-77N.
941. Sreerama Kumar, P. and Singh, S. P. 2002. Wettable sulphur is toxic to *Hirsutella thompsonii*, the most important natural enemy of the coconut mite. *Indian Coconut Journal*, **33**: 1-2.
942. Sreerama Kumar, P., Palakshappa, M. G. and Singh, L. 2005. Effect of polyethylene glycol on the biomass characteristics of *Trichoderma harzianum* and *T. viride* in liquid culture. *Indian Phytopathology*, **58**: 466-469.
943. Sreerama Kumar, P., Rabindra, R. J., Usha Dev, Puzari, K. C., Sankaran, K. V., Khetarpal, R. K., Ellison, C. A. and Murphy, S. T. 2005. India to release the first fungal pathogen for the classical biological control of a weed. *Biocontrol News and Information*, **26**: 71N-72N.
944. Sreerama Kumar, P., Ramani, S. and Singh, S. P. 2005. Natural suppression of the aquatic weed *Salvinia molesta* D.S. Mitchell, by two previously unreported fungal pathogens. *Journal of Aquatic Plant Management*, **43**: 105-107.
945. Sreerama Kumar, P., Singh, L. and Haris, V. T. 2008. Search for plant growth-suppressing rhizobacteria (PGSR) to restrain *Cyperus rotundus*. *Biocontrol News and Information*, **29**: 41N-42N.
946. Sreerama Kumar, P., Singh, L. and Tabassum, H. 2005. Potential use of polyethylene glycol in the mass production of nonsynnematos and synnematos strains of *Hirsutella thompsonii* Fisher in submerged culture. *Journal of Biological Control*, **19**: 105-113.
947. Sreerama Kumar, P., Singh, S. P. and Anuroop, C. P. 2001. First report of *Sporothrix fungorum* de Hoog & de Vries as a pathogen of *Aceria guerreronis* Keifer, the coconut eriophyid mite. *Insect Environment*, **7**: 106-107.
948. Sreerama Kumar, P., Singh, S. P. and Anuroop, C. P. 2004. Investigations on *Sporothrix fungorum* de Hoog & de Vries, a newly recorded pathogen of *Aceria guerreronis* Keifer, the coconut eriophyid mite. *Journal of Biological Control*, **18**: 13-20.
949. Sreerama Kumar, P., Singh, S. P. and Gopal, T. S. 2001. Natural incidence of *Hirsutella thompsonii* Fisher on the coconut eriophid mite, *Aceria guerreronis* Keifer in certain districts of Karnataka and Tamil Nadu in India. *Journal of Biological Control*, **15**: 151-156.
950. Sridhar, V., Joshi, S., Jhansi Rani, B. and Rajiv Kumar. 2012. First record of lantana mealybug, *Phenacoccus parvus* Morrison (Hemiptera: Pseudococcidae), as a pest on China aster from South India. *Journal of Horticultural Science*, **7**: 108-109.
951. Srinivasan, R., Alagawadi, A. R., Yandigeri, M. S., Meena, K. K. and Saxena, A. K. 2012. Characterization of phosphate-solubilizing microorganisms from salt-affected soils of India and their effect on growth of sorghum plants [*Sorghum bicolor* (L.) Moench]. *Annals of Microbiology*, **62**: 93-105.
952. Srinivasan, R., Alagawadi, A. R., Yandigeri, M. S., Meena, K. K. and Saxena, A. K. 2012. Effect of salt on survival and P-solubilization potential of phosphate solubilizing microorganisms from salt affected soils. *Saudi Journal of Biological Sciences*, **19**: 427-434.
953. Sriram, S. and Poornachandra, S. R. 2013. Biological control of postharvest mango fruit rot caused by *Colletotrichum gloeosporioides* and *Diplodia natalensis* with *Candida tropicalis* and *Alcaligenes faecalis*. *Indian Phytopathology*, **66**: 375-380.
954. Sriram, S. and Savitha, M. J. 2011. Enumeration of colony forming units of *Trichoderma* in formulations—precautions to be taken to avoid errors during serial dilution. *Journal of Biological Control*, **25**: 64-67.
955. Sriram, S., Manasa, S. B. and Savitha, M. J. 2009. Potential use of elicitors from *Trichoderma* in induced systemic resistance for the management of *Phytophthora capsici* in red pepper. *Journal of Biological Control*, **23**: 449-456.
956. Sriram, S., Palanna, K. B. and Ramanujam, B. 2010. Effect of chitin on the shelf-life of *Trichoderma harzianum* in talc formulation. *Indian Journal of Agricultural Sciences*, **80**: 930-932.
957. Sriram, S., Roopa, K. P. and Savitha, M. J. 2011. Extended shelf-life of liquid fermentation derived talc formulations of *Trichoderma harzianum* with the addition of glycerol in the production medium. *Crop Protection*, **30**: 1334-1339.
958. Sriram, S., Savitha, M. J. and Ramanujam, B. 2010. *Trichoderma*-enriched coco-peat for the management of *Phytophthora* and *Fusarium* diseases of chilli and tomato in nurseries. *Journal of Biological Control*, **24**: 311-316.

959. Sriram, S., Savitha, M. J., Rohini, H. S. and Jalali, S. K. 2013. The most widely used fungal antagonist for plant disease management in India, *Trichoderma viride* is *Trichoderma asperellum* as confirmed by oligonucleotide barcode and morphological characters. *Current Science*, **104**: 1332-1340.
960. Srivastava, R. K., Prasad, R. D., Rangeshwaran, R. and Kannan, P. 2001. Detection and quantification of proteins induced by *Trichoderma* in Chickpea-Rhizoctonia system. *Plant Disease Research*, **17**: 252-255.
961. Srivastava, R. K., Prasad, R. D., Rangeshwaran, R., Wasnikar, A. R., Singh, S. P. and Rao, N. S. 2001. A rapid *in-vivo* bioassay method for testing and selection of fungal antagonists of plant pathogens. *Journal of Biological Control*, **16**: 173-176.
962. Srivastava, R. P. and Tandon, P. L. 1980. Studies of insect pathogens on mango leaf webber, *Orthaga euadrusalis* Walker (Lepidoptera: Pyralidae). *Entomon*, **5**: 245-246.
963. Srivastava, R. P. and Tandon, P. L. 1981. Relative toxicity of insecticides to the second instar of mango mealy bug, *Drosicha mangiferae* Green nymphs. *Indian Journal of Entomology*, **43**: 193-195.
964. Srivastava, R. P. and Tandon, P. L. 1983. Field evaluation of some insecticides for the control of mango blossom midge, *Erosomyia indica*. *Pesticides*, **17**: 21
965. Srivastava, R. P. and Tandon, P. L. 1986. Natural occurrence of two entomogenous fungi pathogenic to mango hopper, *Idioscopus clypealis* Leth. *Indian Journal of Plant Pathology*, **4**: 121-123.
966. Srivastava, R. P. and Verghese, A. 1983. Mango leaf webber and its control. *Indian Horticulture*, **28**: 21-22.
967. Srivastava, R. P. and Verghese, A. 1990. Chemical control of the mango hopper *Idioscopus clypealis* Lethierry. *Indian Journal of Entomology*, **51**: 358-359.
968. Srivastava, R. P., Tandon, P. L. and Verghese, A. 1982. Chemical control of mango leaf webber, *Orthaga euadrusalis* Walker. *Entomon*, **7**: 271-273.
969. Srivastava, R. P., Tandon, P. L. and Verghese, A. 1982. Evaluation of insecticides for the control of mango shoot gall psylla *Apsylla cistellata* (Buckton) (Psyllidae: Homoptera). *Entomon*, **7**: 281-284.
970. Srivatsava, R. P. and Verghese, A. 1985. Fogging as a new method of hopper control in mango. *Indian Journal of Entomology*, **47**: 113-115.
971. Srivatsava, R. P. and Verghese, A. 1985. Record of a new mealybug, *Perissonnuemon ferox* Newst. (Margarodidae: Homoptera) on mango from Uttar Pradesh, India. *Entomon*, **10**: 184-185.
972. Stonehouse, J. M., Jiji, T., Mumford, J. D. and Verghese, A. 2005. The effects of bait trap density on melon fly percentage infestation in southern Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 165.
973. Stonehouse, J. M., Jiji, T., Singh, H. S., Satpathy, S., Patel, R. K., Tamilvel, D., Nair, B., Senthilkumar, Mohantha, A., Joshi, B. K., Verghese, A. and Mumford, J. D. 2005. Lure and bait IPM of melon flies in gourds in Kerala, Orissa, Uttar Pradesh and Gujarat. *Pest Management in Horticultural Ecosystems*, **11**: 145-150.
974. Stonehouse, J. M., Shukla, R. P., Manzar, A., Verghese, A. and Mumford, J. D. 2005. Simulated rainwater deterioration of male fruit fly annihilation blocks. *Pest Management in Horticultural Ecosystems*, **11**: 139-141.
975. Stonehouse, J. M. and Verghese, A. 2005. The selection and presentation of variables in fruit fly IPM research. *Pest Management in Horticultural Ecosystems*, **11**: 83-87.
976. Stonehouse, J. M., Jiji, T., Nair, B., Verghese, A. and Mumford, J. D. 2005. Fruitfly attraction by banana and jaggery baits in isolation and combination in Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 113-114.
977. Stonehouse, J. M., Patel, R. K., Verghese, A., Mumford, J. D., Shukla, R. P., Satpathy, S., Singh, H. S., Jiji, T., Thomas, J., Patel, Z. P., Jhala, R. C., Patel, V. M., Manzar, A., Shivalingaswamy, T. M., Mohantha, A. K., Nair, B., Vidya, C. V., Jagadale, V. S., Sisodiya, D. B., Joshi, B. K. 2007. Village-level area-wide fruit fly suppression in India: bait application and male annihilation at village level and farm level. *Crop Protection*, **26**: 788-793.
978. Stonehouse, J. M., Singh, H. S., Jiji, T., Mohantha, A., Tamilvel, D., Verghese, A. and Mumford, J. D. 2005. Melonfly control by baits in sprays and traps in Orissa and Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 115-116.
979. Stonehouse, J. M., Singh, H. S., Mohantha, A., Verghese, A. and Mumford, J. D. 2005. Performance and rain-fastness of insecticides in blocks for the male- annihilation Management of fruit flies in Orissa. *Pest Management in Horticultural Ecosystems*, **11**: 129-130.

980. Stonehouse, J. M., Singh, H. S., Patel, R. K., Satpathy, S., Shivalingaswamy, T. M., Rai, S., Verghese, A. and Mumford, J. D. 2007. The measurement and modeling of losses of cucurbits to tephritid fruit flies. *Commonwealth Biometry Crop Science*, **2**: 17-25.
981. Stonehouse, J. M., Verghese, A., Mumford, J. D., Thomas, J., Jiji, T., Faleiro, R., Patel, Z. P., Jhala, R. C., Patel, R. K., Shukla, R. P., Satpathy, S., Singh, H. S., Singh, A. and Sardana, H. R. 2005. Research conclusions and recommendations for the on-farm IPM of Tephritid fruit flies in India. *Pest Management in Horticultural Ecosystems*, **11**: 172-180.
982. Sudheendrakumar, V. V., Jalali, S. K. and Singh, S. P. 1995. Acceptance of the teak defoliator *Hyblasa purea* (Cramer) (Lepidoptera: Hyblacidae) by two exotic species of *Trichogramma* sp. (Hymenoptera: Trichogrammatidae). *Journal of Biological Control*, **9**: 43 - 44.
983. Sujatha, A. and Singh, S. P. 1999. Natural enemy complex of coconut leaf eating caterpillar, *Opisina arenosella* Walker (Lepidoptera: Xylorictidae) in Karnataka. *Journal of Biological Control*, **13**: 51-58.
984. Sujatha, A. and Singh, S. P. 2002. Natural enemy complex of coconut leaf eating caterpillar, *Opisina arenosella* Walker (Lepidoptera: Oecophoridae) on palmyrah palm (*Borassus flabellifer* L.). *Journal of Plantation Crops*, **30**: 33-36.
985. Sujatha, A. and Singh, S. P. 2003. Predatory efficacy of *Mallada aster* (Banks), a chrysopid predator of coconut leaf eating caterpillar, *Opisina arenosella* Walker. *Journal of Biological Control*, **17**: 23-27.
986. Sujatha, A. and Singh, S. P. 2004. Efficiency of stage specific parasitoids in the biological suppression of coconut leaf eating caterpillar, *Opisina arenosella* Walker. *Journal of Biological Control*, **18**: 51-56.
987. Sujatha, A. and Singh, S. P. 2004. Seasonal variation in the population of coconut leaf eating caterpillar, *Opisina arenosella* Walker in Karnataka. *Journal of Plantation Crops*, **32**: 44-48.
988. Sundararaju, D. and Bakthavatsalam, N. 1990. Cashew Pest Management in Coastal Karnataka. *The Cashew*, **4**: 3-6.
989. Sundararaju, D., Bakthavatsalam, N., Joy, N. and Vidhyasagar, P. S. P. V. 1994. Presence of female sex pheromone in tea mosquito bug, *Helopeltis antonii* Sign. (Heteroptera: Miridae). *Entomon*, **19**: 47-51.
990. Sushil, S. N., Mohan, M., Bhatt, J. C., Gupta, H. S. 2008. Isolation and toxicity evaluation of bacterial entomopathogens against phytophagous white grubs (Coleoptera: Scarabaeidae) in Indian Himalayan hills. *International Journal of Pest Management*, **54**: 301-307.
991. Sushil, S. N., Mohan, M., Hooda, K. S., Bhatt, J. C. and Gupta, H. S. 2006. Efficacy of safer management tools against major insect pests of tomato and gardenpea in northwest Himalayas. *Journal of biological Control*, **20**: 113-118.
992. Sushil, S. N., Mohan, M., Selvakumar, G. and Bhatt, J. C. 2006. Relative abundance and host preference of white grubs (Coleoptera: Scarabaeidae) in Kumaon hills of Indian Himalayas. *Indian Journal of Agricultural Sciences*, **76**: 338-339.
993. Sushil, S. N., Mohan, M., Singh, K. P., Stanley, J., Bhatt, J. C. and Gupta, H. S. 2011. Designing an efficient scarab beetle trap and its field evaluation for mass trapping in north west Himalayan hills of India (Coleoptera: Scarabaeidae). *Entomologia Generalis*, **33**: 199-206.
994. Tandon, P. L. and Bakthavatsalam, N. 2005 Electrophysiological and olfactometric responses of *Helicoverpa armigera* (Hub) (Lepidoptera: Noctuidae) and *Trichogramma chilonis* Ishi. (Hymenoptera: Trichogrammatidae) to volatiles of trap crops- *Tagetes erecta* Linnaeus and *Solanum viarum* Dunal. *Journal of Biological Control*, **19**: 9-16.
995. Tandon, P. L. 1980. Some new records of insect pests of mango. *Bulletin of Entomology*, **21**: 141-143.
996. Tandon, P. L. and Bakthavatsalam, N. 2002. Relative susceptibility of tomato, *Lycopersicon esculentum* (Mill) genotypes to American serpentine leaf miner, *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae). *Insect Environment*, **8**: 172-173.
997. Tandon, P. L. and Bakthavatsalam, N. 2007. Plant volatile diversity in different tomato genotypes (varieties/hybrids) and its influence on parasitization efficiency of *Trichogramma chilonis* Ishii on *Helicoverpa armigera* Hubner. *Journal of Biological Control*, **21**: 271-281.
998. Tandon, P. L. and Bhalla, O. P. 1982. Evaluation of insecticide sprays against the cabbage aphid, *Brevicoryne brassicae* (Linnaeus) on cauliflower seed crop. *Indian Journal of Entomology*, **44**: 56-62.
999. Tandon, P. L. and Lal, B. 1981. Effectiveness of different banding materials for preventing migration of *Drosicha mangiferae* Green. *Indian Journal of Entomology*, **43**: 188-191.

1000. Tandon, P. L. and Lal, B. 1983. Predatory spiders associated with insect pests of mango in India. *Bulletin of Entomology*, **24**: 144-147.
1001. Tandon, P. L. and Shukla, R. P. 1988. Intra-tree spatial distribution of eggs and egg colonies of *Aleurocanthus woglumi* Ashby (Homoptera: Aleurodidae) on lime. *Entomon*, **13**: 1-8.
1002. Tandon, P. L. and Shukla, R. P. 1989. Spot application of insecticides for the management of mango stone weevil, *Sternochetus mangiferae*. *Acta Horticulturae*, **231**: 571-574.
1003. Tandon, P. L. and Srivastava, R. P. 1980. New records of parasites and predators of important insect pests of mango. *Entomon*, **5**: 243-244.
1004. Tandon, P. L. and Srivastava, R. P. 1982. Note on new pests of mango in India. *Science and Culture*, **48**: 78-80.
1005. Tandon, P. L. and Veeresh, G. K. 1987. Appropriate transformation for the population counts of citrus green scale, *Coccus viridis* (Green) (Coccidae: Homoptera). *Insect Science and its Application*, **8**: 255-257.
1006. Tandon, P. L. and Veeresh, G. K. 1988. Inter-tree spatial distribution of *Coccus viridis* (Green) on mandarin. *International Journal of Tropical Agriculture*, **6**: 270-275.
1007. Tandon, P. L. and Verghese, A. 1987. New insect pest of certain fruit crops. *Indian Journal of Horticulture*, **44**: 121-122.
1008. Tandon, P. L. and Verghese, A. 2000. Weed plants as refuge of some key crop pests. *Insect Environment*, **5**: 180-181.
1009. Tandon, P. L., Lal, B. and Rao, G. S. P. 1983. Prediction of the mango hopper, *Idioscopus clypealis* Leth. population in relation to physical environmental factors. *Entomon*, **8**: 257-261.
1010. Tandon, P. L., Verghese, A. and G. S. P. Rao, 1988. Spatial distribution, sampling plan and appropriate transformation for the mango hopper, *Idioscopus niveosparsus* (Lethierry) (Homoptera: Cicadellidae). *Goirnale italiono di Entomologia*, **4**: 235-242.
1011. Tandon, P.L and Bakthavatsalam, N. 2004. Influence of sunflower genotypes on parasitisation efficiency of *Trichogramma chilonis* Ishi. (Hymenoptera: Trichogrammatidae) on *Helicoverpa armigera* (Hubner) (Lepidoptera: Noctuidae). *Journal of Biological Control*, **18**: 129-134.
1012. Thomas, J., Faleiro, R. Vidya, C. V., Satarkar, V. R., Stonehouse, J. M., Verghese, A. and Mumford, J. D. 2005. Melonfly attraction and control by baits in central Kerala. *Pest Management in Horticultural Ecosystems*, **11**: 110-112.
1013. Thomas, J., Pastel, R. K., Jiji, T., Vidya, C. V., Joshi, B. K., Napoleon, A., Verghese, A., Mumford, J. D. and Stonehouse, J. M. 2005. Acacia and plywood soaked blocks foe male fruit fly annihilation in India. *Pest Management in Horticultural Ecosystems*, **11**: 168.
1014. Thomas, J., Vidya, C. V., Verghese, A., Stonehouse, J. M. and Mumford, J. D. 2005. Bait and lure fruitfly control in mangoes in Kerala using manufactured and home-made materials. *Pest Management in Horticultural Ecosystems*, **11**: 153-154.
1015. Thontadarya, T. S., Bhumannavar, B. S. and Govindan, R. 1976. Parasitization of the safflower aphid by *Aphidencyrthus aphidivorus* (Meyr.) (Hymenoptera: Encyrtidae). *Current Science*, **45**: 811-812.
1016. Tiwari, S., Singh, P., Tiwari, R., Meena, K. K., Yandigeri, M. S., Singh, D. P. and Arora, D. K. 2011. Salt-tolerant rhizobacteria-mediated induced tolerance in wheat (*Triticum aestivum*) and chemical diversity in rhizosphere enhance plant growth. *Biology and Fertility of Soils*, **47**: 907-916.
1017. Trivedi, T. P., Rajagopal, D. and Tandon, P. L. 1994. Assessment of losses due to potato tuber moth. *Journal of the Indian Potato Association*, **21**: 207-210.
1018. Trivedi, T. P., Rajagopal, D. and Tandon, P. L. 1994. Environmental correlates of the potato tuber moth, *Phthorimaea operculella* (Zeller) (Lepidoptera: Gelechiidae). *International Journal of Pest Management*, **40**: 305-308.
1019. Trivedi, T. P., Rajagopal, D. and Tandon, P. L. 1994. Life table for establishment of potato tuber moth, *Phthorimaea operculella*. *Journal of the Indian Potato Association*, **21**: 97-105.
1020. Trivedi, T. P., Rajagopal, D. and Tandon, P. L. 1994. Spatial distribution and sampling technique of the potato tuber moth, *Phthorimaea operculella* (Zeller) (Lepidoptera: Gelechiidae) in field and storage. *Annals of Entomology*, **12**: 69-76.
1021. Uma, M. S and Verghese, A. 2008. An overview of some plant galls of selected trees in India. *Pest Management in Horticultural Ecosystems*, **14**: 110-121.
1022. Varma, A. and Jalali, S. K. 1987. Occurrences of *Fulonekiola serrata* (Kobus) (Thysanoptera: Thripidae) and *Haplothrips* sp. (Thysanoptera: Phlaeo-thripidae) on sugarcane in U. P. *Journal of Advanced Zoology*, **8**: 61-62.

1023. Varma, G. C., Rataul, H. S., Shenhmar, M., Singh, S. P. and Jalali, S. K. 1991. Role of inundative releases of egg parasitoid *Trichogramma chilonis* Ishii in the control of *Chilo auricilius* Dudgeon on sugarcane. *Journal of Insect Science*, **4**: 165-166.
1024. Varma, K. D. and Singh, S. P. 1974. Slug damage to potato in Himachal Pradesh. *Indian Journal of Plant Protection*, **1**: 71-72.
1025. Veenakumari, K. and Prashanth Mohanraj. 1991. *Erionota thrax thrax* L. (Lepidoptera: Hesperidae), a new record to Andaman Islands. *Journal of Andaman Science Association*, **7**: 91-92.
1026. Veenakumari, K. and Prashanth Mohanraj. 1993. Insect pests of Cinnamon (*Cinnamomum verum* Bercht and Presl.) in the Andaman and Nicobar islands. *Journal of Plantation Crops*, **21**: 67-69.
1027. Veenakumari, K. and Prashanth Mohanraj. 1994. A rare instance of the migration of *Appias albina darada* Felder (Lepidoptera: Pieridae) in South Andaman. *The Entomologist* (U.K.), **114**: 60-61.
1028. Veenakumari, K. and Prashanth Mohanraj. 1994. Insect pests of ornamental plants in Andaman and Nicobar islands. *Journal of Andaman Science Association*, **10**: 25-27.
1029. Veenakumari, K. and Prashanth Mohanraj. 1994. Life history of *Pachliopta rhodifer* (Papilionidae: Troidini). *Journal of Lepidopterist's Society* (USA), **48**: 111-120.
1030. Veenakumari, K. and Prashanth Mohanraj. 1994. Occurrence of *Thosea andamanica* Holloway (Lepidoptera: Limacodidae) on coconut on Nicobar Islands, Bay of Bengal, Indian Ocean. *Journal of the Bombay Natural History Society*, **93**: 306-307.
1031. Veenakumari, K. and Prashanth Mohanraj. 1994. *Onthophagus unifasciatus* F. (Coleoptera: Scarabaeidae) - A new record for the Andaman Islands. *Journal of the Bombay Natural History Society*, **91**: 153-154.
1032. Veenakumari, K. and Prashanth Mohanraj. 1994. Rediscovery of *Pachliopta coon sambilanga* (Lepidoptera: Papilionidae) in Great Nicobar, Andaman and Nicobar islands (India). *Malayan Nature Journal*, **48**: 89-91.
1033. Veenakumari, K. and Prashanth Mohanraj. 1995. Occurrence of the mealy bug *Pseudococcus sacharicola* Takahasi (Homoptera: Pseudococcidae) on sugarcane, *Saccharum officinarum* L. A new record for the Andaman islands, India. *Entomon*, **20**: 65.
1034. Veenakumari, K. and Prashanth Mohanraj. 1996. Folivorous insects damaging teak, *Tectona grandis* L. (Verbenaceae) in the Andaman Islands, Bay of Bengal, India. *Journal of Entomological Research*, **20**: 177-178.
1035. Veenakumari, K. and Prashanth Mohanraj. 1996. Rediscovery of *Lethe Europa tamuna* de Niceville, 1887 and notes on the species of butterflies from the Andaman and Nicobar islands. *Journal of the Lepidopterists' Society*, (USA), **51**: 273-275.
1036. Veenakumari, K. and Prashanth Mohanraj. 1996. Why Ferrar failed to find a second specimen of *Polyura schreiber tisamenus* in the Andaman and Nicobar islands. *The Entomologist*, **115**: 159-160.
1037. Veenakumari, K. and Prashanth Mohanraj. 2000. *Sisyphus longipes* (Oliver) (Coleoptera: Scarabaeidae: Scarabaeinae) - A new record for Andaman Islands. *Journal of the Bombay Natural History Society*, **97**: 298-301.
1038. Veenakumari, K. and Prashanth Mohanraj. 2004. Native parasitoids of some insects in the Andaman Islands. *Journal of Biological Control*, **18**: 189-194.
1039. Veenakumari, K. and Prashanth Mohanraj. 2004. New records of butterflies in the Andaman and Nicobar Islands, Bay of Bengal, Indian Ocean. *Entomon*, **29**: 395-400.
1040. Veenakumari, K. and Prashanth Mohanraj. 2007. Additions to the coccinellid fauna of the Andaman Islands and the biology of the endemic *Chilocorus coelosimilis* Kapur, 1966 (Coleoptera: Coccinellidae). *Journal of Bombay Natural History Society*, **104**: 234-237.
1041. Veenakumari, K. and Prashanth Mohanraj. 2009. A note on the enomofauna of mangrove associates in the Andaman Islands (Indian Ocean: India). *Journal of Natural History*, **43**: 807-824.
1042. Veenakumari, K. and Prashanth Mohanraj. 2011. *Odontacolus markadicus* sp. nov. (Hymenoptera: Platygastroidea: Platygastriidae) – As addition to the platygastriid fauna of India. *Journal of Biological Control*, **25**: 188-192.
1043. Veenakumari, K. and Prashanth Mohanraj. 2012. The life cycle and immature stages of *Kallima albofasciata*, the endemic Oakleaf, I the Andaman Islands (Indian Ocean, Bay of Bengal). *Journal of insect Science*, **12**: 66.
1044. Veenakumari, K. and Veeresh, G. K. 1982. Evaluation of different methods of inoculation for the production of the milky white disease caused by the bacterium *Bacillus popilliae* (Dutky) on the white grub (*Holotrichia serrata* F.). *Journal of Soil Biology and Ecology*, **2**: 17-19.

1045. Veenakumari, K. and Veeresh, G. K. 1988. Intrasexual combat in *Onthophagus pygmaeus* (Schaller) (Coleoptera: Scarabaeidae). *Journal of Bombay Natural History Society*, **87**: 318.
1046. Veenakumari, K. and Veeresh, G. K. 1988. Utilization of dry dung and intraspecific competition in *Onthophagus tritinctus* Boucomont (Coleoptera: Scarabaeidae). *Journal of the Bombay Natural History Society*, **87**: 319-320.
1047. Veenakumari, K. and Veeresh, G. K. 1990. Biology of *Onitis philemon* F. (Coleoptera: Scarabaeidae). *Journal of Soil Biology and Ecology*, **10**: 108-111.
1048. Veenakumari, K. and Veeresh, G. K. 1993. A study on some aspects of the behaviour of *Catharsius molossus* (L.) and *C. pithecius* (F.) (Coleoptera: Scarabaeidae). *Journal of the Bombay Natural History Society*, **90**: 65-68.
1049. Veenakumari, K. and Veeresh, G. K. 1993. Subsociality in *Copris repertus* Walker and *Copris indicus* Gill (Coleoptera: Scarabaeidae). *Journal of the Bombay Natural History Society*, **94**: 530-535.
1050. Veenakumari, K. and Veeresh, G. K. 1996. Notes on the feeding and breeding behaviour of *Gymnopleurus gemmatus* and *Gymnopleurus miliaris* (Coleoptera: Scarabaeidae). *Journal of the Bombay Natural History Society*, **93**: 13-19.
1051. Veenakumari, K. and Veeresh, G. K. 1996. Some aspects of the reproductive biology of *Onthophagus gazella* (F.) and *Onthophagus rectecornutus* Lansb. (Coleoptera: Scarabaeidae). *Journal of the Bombay Natural History Society*, **93**: 222-256.
1052. Veenakumari, K. and Veeresh, G. K. 1997. Dung beetle (Coleoptera: Scarabaeidae: Scarabaeinae) fauna of Bangalore, Karnataka. *Journal of the Bombay Natural History Society*, **94**: 171-173.
1053. Veenakumari, K. and Veeresh, G. K. 1998. Nidification of three species of Scarabaeinae (Coleoptera: Scarabaeidae) at Bangalore (India: Karnataka). *Journal of the Bombay Natural History Society*, **95**: 358-360.
1054. Veenakumari, K., and Veeresh, G. K. 2004. Notes on the behaviour of some dung beetles in and around Bangalore. *Journal of the Bombay Natural History Society*, **104**: 361-364.
1055. Veenakumari, K., Buhl, P. N., Prashanth Mohanraj and Khan, F. R. 2013. Five new species of *Amblyaspis* Förster (Platygastridae: Platygastridae) from India. *Entomologists Monthly Magazine*, **149**: 223-234.
1056. Veenakumari, K., Buhl, P. N., Prashanth Mohanraj and Khan, F. R. 2013. Three new species of *Allotropa* Förster (Platygastridae: Sceliotrachelinae) from India. *International Journal of Environmental Studies*, **70**: 222-231.
1057. Veenakumari, K., Buhl, P. N., Rajmohana, K. and Prashanth Mohanraj. 2012. Three new species of Sceliotrachelinae (Hymenoptera: Platygastridae: Platygastridae) Blum from South India. *Entomofauna, Zeitschrift Fur Entomologie* **33**:469-480.
1058. Veenakumari, K., Prashanth Mohanraj and Bandyopadhyay, A. K. 1997. Insect herbivores and their natural enemies in the mangals of the Andaman and Nicobar islands, Indian Ocean. *Journal of the Natural History*, (London), **31**: 1105-1126.
1059. Veenakumari, K., Prashanth Mohanraj and Bandyopadhyay, A. K. 1998. Insect diversity in mangroves. *Seshaiyana*, **6**: 12-14.
1060. Veenakumari, K., Prashanth Mohanraj and Lakshmi, B. L. 2014. Platygastridae (Hymenoptera) of Andaman and Nicobar Islands, Indian Ocean (India). *Entomofauna, Zeitschrift für Entomologie*, **35**: 205-216.
1061. Veenakumari, K., Prashanth Mohanraj and Nassig, A. 1996. *Cricula andamanica* Jordan, 1909 (Lepidoptera: Saturniidae) - an endemic wild silk moth from the Andaman Islands, India. *Nachrichten des entomologischen Vereins Apollo N. F.* (Germany), **17**: 263-274.
1062. Veenakumari, K., Prashanth Mohanraj and Peigler, R. 2011. First description of a female of *Antheraea meisteri* Brechlin and notes on some pre-imagines of three recently described species of Saturniidae (Lepidoptera) from the tropical moist forests of the Andaman Islands. *Journal of the Lepidopterists' Society*, **65**: 94-100.
1063. Veenakumari, K., Prashanth Mohanraj and Peigler, R. S. 1992. Life history of *Attacus mcmulleni* (Saturniidae) from the Andaman islands, India. *Journal Research on Lepidoptera* (USA), **31**: 169-179.
1064. Veenakumari, K., Prashanth Mohanraj and Peigler, R. S. 2005. Life history of *Actias ignescens* (Lepidoptera, Saturniidae) reared on its natural host plant, *Crypteronia paniculata*, on South Andaman Island. *Transactions of Lepidopterists' Society of Japan*, **56**: 184-192.
1065. Veenakumari, K., Prashanth Mohanraj and Ranganath, H. R. 1994. Insect and mite pests of spice crops in the Andaman Islands. *Journal of Spices and Aromatic Crops*, **3**: 164-166.

1066. Veenakumari, K., Prashanth Mohanraj and Ranganath, H. R. 1995. Additional records of insect pests of vegetables in the Andaman Islands. *Journal of Entomological Research*, **19**: 277-279.
1067. Veenakumari, K., Prashanth Mohanraj and Ranganath, H. R. 1996. Pests of fruit crops of Andaman and Nicobar islands. *Entomon*, **21**: 153-156.
1068. Veenakumari, K., Prashanth Mohanraj and Ranganath, H. R. 1997. Two records of the pests of rice from the Nicobar Islands. *Journal of Andaman Science Association*, **13**: 90.
1069. Veenakumari, K., Prashanth Mohanraj and Sreekumar, P. V. 1997. Host plant utilization by butterfly larvae in the Andaman and Nicobar Islands (Indian Ocean: Bay of Bengal). *Journal of Insect Conservation* (London). **1**: 235-246.
1070. Veenakumari, K., Prashanth Mohanraj and Sreekumar, P. V. 2007. Insect consumers of plants native to the forests of the Andaman Islands (Indian Ocean: Bay of Bengal). *The Indian Forester*, **133**: 1109-1116.
1071. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2004. First record of *Enicospilus* Stephens (Hymenoptera: Ichneumonidae) as a parasitoid of *Amsacta albistriga* (Walker) (Lepidoptera: Arctiidae) from Karnataka, India. *Insect Environment*, **9**: 151.
1072. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2005. Field efficacy of nuclear polyhedrosis virus against the red hairy caterpillar *Amsacta albistriga* (Walker) (Lepidoptera: Arctiidae) on groundnut in Karnataka. *Journal of Biological Control*, **19**: 141-144.
1073. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2006. Standardization of laboratory mass production of *Amsacta albistriga* nucleopolyhedrovirus. *Journal of Biological Control*, **20**: 183-190.
1074. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2008. Efficacy of nucleopolyhedrovirus against *Spilarctia obliqua* (Walker) on mulberry *Journal of Biological Control*, **22**: 209-212.
1075. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2004. First report of *Beauveria bassiana* (Balsamo) Vuillemin on *Amsacta albistriga* (Lepidoptera: Arctiidae) from, Karnataka, India. *Journal of Biological Control*, **20**: 95-96.
1076. Veenakumari, K., Rabindra, R. J., Srinivas Naik, C. D. and Shubha, M. R. 2007. *In situ* field level mass production of *Amsacta albistriga* nucleopolyhedrosis virus in groundnut ecosystem. *International Journal of Tropical Insect Science*, **27**: 48-52.
1077. Veenakumari, K., Rajmohana, K. and Prashanth Mohanraj. 2011. Description of *Odontoscelio vikata* sp. nov. (Hymenoptera: Platygastroidea: Platygastriidae) from India. *Hexapoda*, **18**: 87-92.
1078. Veenakumari, K., Rajmohana, K. and Prashanth Mohanraj. 2012. Studies on phoretic Scelioninae (hymenoptera: Platygastriidae) from India along with description of a new species of *Mantibaria* Kirby. *Linzer biologische Beiträge*, **44**: 1715-1725.
1079. Veenakumari, K., Rajmohana, K., Manickavasagam, S. and Prashanth Mohanraj. 2011. On a new genus of *Teleasinae* (Hymenoptera: Platygastriidae) from India. *Biosystematica*, **5**: 39-46.
1080. Veenakumari, K., Ramani, S. and Rabindra, R. J. 2008. Additions to the natural enemy complex of the red hairy caterpillar *Amsacta albistriga* (Walker) (Lepidoptera: Arctiidae). *Journal of Biological Control*, **22**: 203-204.
1081. Veerasamy, S., Rao, D. U. M., Venkatesan, T. and Satpathy, C. 2003. Distortion of farm messages at different levels. *Indian Journal of Extension Education*, **39**: 87-90.
1082. Veerasamy, S., Satpathy, C., Appa Rao, G. and Venkatesan, T. 1999. Motivational climate and job satisfaction of farm scientists. *Indian Journal of Extension Education*, **35**: 193-199.
1083. Veerasamy, S., Venkatesan, T., Satpathy, C. and Appa Rao, G. 2001. Motivational climate of state extension system, *Indian Journal of Extension Education*, **37**: 164-171.
1084. Veeresh, G. K. and Veenakumari, K. 1985. Behavioural analysis of feeding and breeding in lamellicorn beetles. *Proceedings Indian Academic of Science*, (Animal Science), **94**: 304-308.
1085. Venkatesan, T., Jalali, S. K., Murthy, K. S. and Bhaskaran, T. V. 2008. Development, survival and reproduction of an anthocorid predator (*Orius tantillus*) on artificial and natural diets. *Indian Journal of Agricultural Sciences*, **78**: 102-105.
1086. Venkatesan, T. and Kundu, G. G. 1994. Yield-infestation relationship and determination of economic injury level of stemfly, *Melanagromyza sojae* (Zehntner) infesting soybean. *Journal of Entomological Research*, **18**: 265-270.
1087. Venkatesan, T. and Kundu, G. G. 1995. Bio-efficacy of neem products against stemfly, *Melanagromyza sojae* (Zehntner) on soybean. *Shaspa*, **2**(2): 165-168.
1088. Venkatesan, T. and Kundu, G. G. 2001. An effective control schedule for the management of soybean stemfly, *Melanagromyza sojae* (Agromyziidae: Diptera). *Shaspa*, **10**: 75-78.

1089. Venkatesan, T. and Kundu, G. G. 1994. Bio-efficacy of insecticides for the control of stemfly and whitefly infesting soybean crop. *Indian Journal of Entomology*, **56**: 418-21.
1090. Venkatesan, T. and Singh, S. P. 1996. Parasitising ability of some trichogrammatidspecies and strains on *Spodoptera exigua* (Hübner). *J. Biol. Control***10**: 117-119.
1091. Venkatesan, T., Joshi, S., Rao, N. S. and Jalali, S. K. 2007. Competitive interaction between *Campoletis chlorideae* (Uchida) and *Eriborus argenteopilosus* (Cameron), solitary parasitoids of *Helicoverpa armigera* (Hubner). *Indian Journal of Entomology*, **69**: 51-53.
1092. Venkatesan, T., Jalali, S. K. and Murthy, K. S. 2009. Competitive interactions between *Goniozus nephantidis* and *Bracon brevicornis*, parasitoids of the coconut pest *Opisina arenosella*. *International Journal of Pest Management*, **55**: 257-263.
1093. Venkatesan, T., Jalali, S. K. and Singh, S. P. 1998. A semi-synthetic diet for *Cheilomenes sexmaculata* (Fabricius) (Coleoptera: Coccinellidae). *Journal of Entomological Research*, **22**: 169-172.
1094. Venkatesan, T., Jalali, S. K., Murthy, K. S. and Bhaskaran, T. V. 2005. Rearing of *Cheilomenes sexmaculata* on artificial diet and its predatory efficiency against *Aphis craccivora*. *Annals of Plant Protection Sciences*, **13**: 165-169.
1095. Venkatesan, T., Jalali, S. K., Murthy, K. S. and Bhaskaran, T. V. 2007. Economics of production of *Goniozus nephantidis* (Muesebeck), an important parasitoid of coconut black-headed caterpillar, *Opisina arenosella* (Walker) for bio-factories. *Journal of Biological Control*, **21**: 53-58.
1096. Venkatesan, T., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Rao, N. S. 2003. A novel method of field release of *Goniozus nephantidis* (Muesebeck), an important primary parasitoid of *Opisina arenosella* Walker on coconut. *Journal of Biological Control*, **17**: 79-80.
1097. Venkatesan, T., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Rao, N. S. 2004. Comparative life table studies of *Goniozus nephantidis* (Muesebeck) (Hymenoptera: Bethyridae) on three lepidopteran insect pests. *Annals of Plant Protection Sciences*, **12**: 5-8.
1098. Venkatesan, T., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Lalitha, Y. 2009. Occurrence of insecticide resistance in field populations of *Chrysoperla zastrowi arabica* Henry *et al.* (Neuroptera: Chrysopidae) in India. *Indian Journal of Agricultural Sciences*, **79**: 910-912.
1099. Venkatesan, T., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Baskaran, T. V. 2009. Influence of parasitoid-host density on the behavior ecology of *Goniozus nephantidis* (Hymenoptera: Bethyridae) a parasitoid of *Opisina arenosella* (Muesebeck). *Journal of Biological Control*, **23**: 255-264.
1100. Venkatesan, T., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Rao, N. S. 2006. Field evaluation of different doses of *Goniozus nephantidis* (Muesebeck) for the suppression of *Opisina arenosella* Walker on coconut. *International Journal on Coconut R&D* (CORD), **22** (special issue): 78-84.
1101. Venkatesan, T., Joshi, S. and Rao, N. S. 1999. Influence of mating age, parental sex ratio and host age on the female progeny emergence of *Campoletis chlorideae* Uchida (Hymenoptera: Ichneumonidae) *Shashpa*, **6**: 145-148.
1102. Venkatesan, T., Mohanraj, P., Jalali, S. K., Murthy, K. S., Rabindra, R. J. and Lakshmi, B. L. 2008. A semi-synthetic diet for rearing *Dipha aphidivora* (Lepidoptera: Pyralidae), a promising predator of woolly aphid in sugarcane. *Biocontrol Science and Technology*, **18**: 319-323.
1103. Venkatesan, T., Nesil Liz Baby, Jalali, S. K., Shylesha, A. N. and Rabindra, R. J. 2011. Characterization and identification of *Acerophagus papayae* Noyes and Schauff (Hymenoptera: Encyrtidae), an introduced parasitoid of papaya mealybug, *Paracoccus marginatus* Williams and Granara de Willink through DNA barcode. *Journal of Biological Control*, **25**: 11-13.
1104. Venkatesan, T., Poorani, J., Jalali, S.K., Murthy, K. S., Ashok Kumar, G., Lalitha, Y. and Rajeshwari, R. 2008. Occurrence of *Chrysoperla zastrowi arabica* Henry *et al.* (Neuroptera: Chrysopidae), a cryptic song species of *Chrysoperla* (*carnea*-group), in India. *Journal of Biological Control*, **22**: 143-147.
1105. Venkatesan, T., Singh, S. P. 1996. Parasitising ability of some trichogrammatid species and strains on *Spodoptera exigua* (Hubner). *Journal of Biological Control*, **10**: 117-119.
1106. Venkatesan, T., Singh, S. P. and Jalali, S. K. 2000. Effect of cold storage on cocoons of *Goniozus nephantidis* Muesbeck (Hemenoptera: Bethyridae) stored for varying periods at different temperature regimes. *Journal of Entomological Research*, **24**: 43-47
1107. Venkatesan, T., Singh, S. P. and Jalali, S. K. 2000. Rearing of *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) on semi-synthetic diet and its predatory efficiency against cotton pests. *Entomon*, **25**: 81-89.

1108. Venkatesan, T., Singh, S. P. and Jalali, S. K. 2001. Development of artificial diet for *Cryptolaemus montrouzieri* (Coccinellidae: Coleoptera). *Journal of Biological Control*, **15**: 139-142.
1109. Venkatesan, T., Singh, S. P., Jalali, S. K. and Joshi, S. 2002. Evaluation of predatory efficiency of *Chrysoperla carnea* (Stephens) reared on artificial diet against tobacco aphid, *Myzus persicae* (Sulzer) in comparison with other predators. *Journal of Entomological Research*, **26**: 193-196.
1110. Venkatesan, T., Singh, S. P., Jalali, S. K. and Sadhana, P. 2002. Rearing of *Mallada astur* (Banks) (Neuroptera: Chrysopidae) on semi-synthetic diet. *Pest Management in Horticulture Ecosystem*, **8**: 121-126.
1111. Venkatesan, T., Singh, S. P., Joshi, S. and Rao, N. S. 1996. Breeding of *Campoletis chloridae* Uchida (Hymenoptera: Ichneumonidae) on *Corcyra cephalonica* Stainton. *Journal of Biological Control*, **9**: 128-129.
1112. Vennila, S. 1998. Relationship between sucking pests (*Amrasca biguttula biguttula*, *Aphis gossypii*) and their predators (*Cheilomenes sexmaculata*, *Chrysoperla carnea*) on cotton cultivars. *Journal of Entomological Research*, **22**: 349-353.
1113. Verghese, A. 1986. Insect pest management on mango. Supervised control and scouting. *Indian Horticulture*, **30**: 17-18, 24.
1114. Verghese, A. 1988. Book Review- Ecology and Evolution of Plant – Feeding Insects in Natural and Man - made Environments. *Current Science*, **74**: 477.
1115. Verghese, A. 1992. Research highlights of AICRP on ornithology. *Newsletter for Birdwatchers*, **32**(9&10).
1116. Verghese, A. 1993. Foraging ecology of pestilent parakeets. *Newsletter for Birdwatchers*, 224-227.
1117. Verghese, A. 1994. Management of defoliating beetles in grapevine. *Drakshavritta*, 145-148.
1118. Verghese, A. 1995. Aggregation and sampling plan in three aphidophagous predators in a guava ecosystem. *Journal of Biological Control*, **9**: 16-20.
1119. Verghese, A. 1997. Colony number, size and reproductive potential of the grape mealybug, *Maconellicoccus hirsutus* Green on laboratory host, pumpkin. *Insect Environment*, **2**: 139-140.
1120. Verghese, A. 1997. Crop loss due to flea beetle in grapes. *Drakshavritta*, 147-148.
1121. Verghese, A. 1997. Effects of neem on first instar crawlers of the grape mealybug, *Maconellicoccus hirsutus* Green. *Insect Environment*, **2**: 121-122.
1122. Verghese, A. 1998. Methyl eugenol attracts female mango fruit fly (*Bactrocera dorsalis* Hendel). *Insect Environment*, **4**: 101.
1123. Verghese, A. 1998. Effect of imidacloprid on mango hoppers, *Idioscopus* spp. (Homoptera: Cicadellidae). *Pest Management in Horticultural Ecosystems*, **4**: 70-74.
1124. Verghese, A. 1998. Efficacy of lambda cyhalothrin on mango hopper, *Idioscopus niveosparsus* (Leth.). *Pestology*, **22**: 12-14.
1125. Verghese, A. 1998. Fallen fruit sampling helps timing of first spray for control of mango stone weevil *Sternochetus mangiferae* (Fab.) (Coleoptera: Curculionidae). *Insect Environment*, **3**: 91-92.
1126. Verghese, A. 1998. Management of mango leaf webber: A vital package for panicle emergence, *Insect Environment*, **4**: 3.
1127. Verghese, A. 1998. Manual sprayers have more advantages in mango orchards than tanker power sprayers. *Insect Environment*, **4**: 37.
1128. Verghese, A. 1998. Non-destructive control of the bat, *Cynopterus sphinx* Vahl (Chiroptera: Pteropodidae) in grapes (*Vitis vinifera* Linnaeus) in India. *International Journal of Pest Management*, **4**: 81-85.
1129. Verghese, A. 1999. Dominance of the Black Ant *Camponotus compressus* (Fab.) (Hymenoptera, Formicidae) in a Guava Ecosystem. *Insect Environment*, **5**: 92-93.
1130. Verghese, A. 1999. Efficacy of neem cake extract and selected insecticides against the grape berry webber, *Adoxophyes privatana* (Walker) (Lepidoptera: Tortricidae). *Pest Management in Horticultural Ecosystems*, **5**: 99-101.
1131. Verghese, A. 1999. How long is the resting phase of the adult mango stone weevil, *Sternochetus mangiferae* (Fab.)? *Insect Environment*, **4**: 142-143.
1132. Verghese, A. 1999. Insects as food in Thailand. *Insect Environment*, **5**: 3.
1133. Verghese, A. 2000. Effect of imidacloprid, lambda cyhalothrin and azadirachtin on the mango hopper, *Idioscopus niveosparsus* (Leth.) [Homoptera: Cicadellidae]. *Acta Horticulturae*, **509**: 733-736.
1134. Verghese, A. 2000. Potential of botanicals in the management of the pomegranate aphid, *Aphis punicae* Passerini. *Insect Environment*, **5**: 147-148.

1135. Verghese, A. 2000. Recent studies on the management of mango stone weevil, *Sternochetus mangiferae* Fab. (Coleoptera: Curculionidae) in South India. *Acta Horticulturae*, **509**: 819-822.
1136. Verghese, A. 2000. Status and management of the mango stone weevil, *Sternochetus mangiferae* (Fab.) (Coleoptera: Curculionidae) in India. *Pest Management in Horticultural Ecosystems*, **6**: 15-21.
1137. Verghese, A. 2001. Status and possible management of papaya ring spot virus with special reference to insect vectors. *Pest Management in Horticultural Ecosystems*, **7**: 99-112.
1138. Verghese, A. and Chakaravathy, A. K. 1978. Infestation of groundnut bycrows. *Current Research*, **7**: 181-182.
1139. Verghese, A. and Chakaravathy, A. K. 1977. Studies on the roosting and fluctuation of numbers of roosting site in case of Small Green Bee-eater, *Meropsorientalis* Lathana. *Indian Journal of Behaviour*, **1**: 6-9.
1140. Verghese, A. and Chakaravathy, A. K. 1978. Patterns of bird-life in a garden in Bangalore. *Indian Journal of Behaviour*, **2**: 14-17.
1141. Verghese, A. and Chakaravathy, A. K. 1978. The avifaunal community of Lal Bagh- A Botanical garden. *The Lal Bagh Journal*, **23**: 1-14.
1142. Verghese, A. and Chakaravathy, A. K. 1981. Preliminary studies on the graminivorous Munias (*Lonchura* spp.) of Bangalore. *Journal Bombay Natural History Society*, **78**: 384- 385.
1143. Verghese, A. and Devaraj Urs, K. C. 1995. Development of sampling plan and spatial dispersion of natural population of *Cryptolaemus montrouzieri* Mulsant (Coleoptera: Coccinellidae) in a guava ecosystem. *Pest Management in Horticultural Ecosystems*, **1**: 87-92.
1144. Verghese, A. and Govindakrishnan, P. M. 1975. The Crimsonbreasted Barbet (*Megalaima haemacephala*). *Newsletter for Birdwatchers*, **15**: 1-3.
1145. Verghese, A. and Govindakrishnan, P. M. 1976. Some nidification aspects of Crimson breasted Barbet, *Megalaima haemacephala* (Muller). *Newsletter for Birdwatchers*, **1**: 84-86.
1146. Verghese, A. and Harish, R. 2010. Studies on thrips of grapes in South India, with special References to *Scirtothrips dorsalis* Hood. *Journal of Insect Science*, **10**: 51-52.
1147. Verghese, A. and Jayanthi, P. D. K. 2002. A technique for quick estimation of aphid numbers in field. *Current Science*, **82**: 1165-1168.
1148. Verghese, A. and Jayanthi, P. D. K. 1999. Lepidopteran Pest Complex on mango inflorescence. *Insect Environment*, **5**: 51-52.
1149. Verghese, A. and Jayanthi, P. D. K. 2000. Effect of lambda cyhalothrin on mango hopper *Idioscopus niveosparus* (Leth.) (Homoptera: Cicadellidae), as a panicle emergence spray. *Pestology*, **24**: 31-33.
1150. Verghese, A. and Jayanthi, P. D. K. 2001. A convenient polythene sachet trap for fruit flies, *Bactrocera dorsalis*. *Insect Environment*, **6**: 193.
1151. Verghese, A. and Mahiba Helen, S. 2006. Probable foraging by civets, *Paradoxurus jerdoni* Blanford (Carnivora: Viverridae) in coffee estates of Kodagu (Coorg). *Pest Management in Horticultural Ecosystems*, **12**: 168-169.
1152. Verghese, A. and Nagaraju, D. K. 2004. Does Stone Weevil (*Sternochetus mangiferae* Fabricius) Infestation affect Fruit Size of Mango? *Insect Environment*, **10**: 61-62.
1153. Verghese, A. and Nagaraju, D. K. 2004. Efficacy of selected environment-friendly and synthetic insecticides against mango stone weevil, *Sternochetus mangiferae* (Fabricius) on cv. Banganpalli. *Pest Management in Horticultural Ecosystems*, **10**: 107-111.
1154. Verghese, A. and Nagaraju, D. K. 2005. Does premature ripening of fruit hasten development of mango stone weevil (MSW), *Sternochetus mangiferae* (Fabricius)? *Insect Environment*, **10**: 191-192.
1155. Verghese, A. and P. L. Tandon, 1987. Inter-specific association among *Aphis gossypii* Glover, *Menochilus sexmaculatus* (Fabricius) and *Camponotus compressus* Fabricius in a guava ecosystem. *Phytoparasitica*, **15**: 289-297.
1156. Verghese, A. and Prasad, V. G. 1983. Note on record of insect pests of rose and hibiscus (ornamental) from Bangalore, *Indian Journal of Horticulture*, **40**: 131-133.
1157. Verghese, A. and R. P. Srivatsava, 1984. Mango shoot gall psylla and its control. *Indian Horticulture*, **28**: 7-8.
1158. Verghese, A. and Ramachander, P. R. 1998. Inter-specific association among prey, *Chloropulvinaria psidii* (Maskell) predator, *Cryptolaemus montrouzieri* Mulsant and ant, *Camponotus compressus* Fab. in a guava ecosystem. *Pest Management in Horticultural Ecosystems*, **4**: 21-24.

1159. Verghese, A. and Rao, G. S. P. 1983. Crop loss Assessment methodology in major pests of mango. *Indian Journal of Horticulture*, **40**: 278-284.
1160. Verghese, A. and Rao, G. S. P. 1985. Sequential sampling plan for mango leaf hopper, *Idioscopus clypealis* (Lethierry). *Entomon*, **1**: 285-290.
1161. Verghese, A. and Rao, G. S. P. 1985. Spatial distribution of the mango leaf gall, *Procontarinia matteiana* Keif. and Cocc. on mango cv. *Dashaheri*. *Indian Journal of Horticulture*, **24**: 139-143.
1162. Verghese, A. and Rao, G. S. P. 1987. Determination of relevant critical stages for the management of mango hopper, *Idioscopus clypealis* Lethierry. *Indian Journal of Horticulture*, **44**: 280-283.
1163. Verghese, A. and Srivastava, R. P. 1989. Toxicity of certain newer insecticides to the parasite *Tetrastichus* sp. *Indian Journal of Entomology*, **51**: 465-468.
1164. Verghese, A. and Sudha Devi, K. 1998. Do fallen leaves indicate gall population on mango tree? *Pest Management in Horticultural Ecosystems*, **4**: 13-14.
1165. Verghese, A. and Sudha Devi, K. 1998. Seasonality and sampling of the mango shoot borer, *Chlumetia transversa* Walker (Lepidoptera: Noctuidae). *Pest Management in Horticultural Ecosystems*, **4**: 16-20.
1166. Verghese, A. and Tandon, P. L. 1987. Interspecific associations among *Aphis gossypii*, *Menochilus sexmaculatus* and *Camponotus compressus* in a guava ecosystem. *Phytoparasitica*, **15**: 289-297.
1167. Verghese, A. and Tandon, P. L. 1993. Enhanced number of grape bunches per vine offsets damage due to bird pests. *Newsletter for Birdwatchers*, **33**: 70-71.
1168. Verghese, A. and Tandon, P. L. 1995. Shothole borer - A potential pest on grape, *Drakshvritta*, 168-169.
1169. Verghese, A. and Tandon, P. L. 1996. Management of flea beetle damage in grapes. *Drakshvritta*, 107-108.
1170. Verghese, A. and Tandon, P.L. and John M. Stonehouse, 2004. Economic evaluation of the integrated management of the Oriental fruit fly, *Bactrocera dorsalis* (Diptera: Tephritidae) in mango in India. *Crop Protection*, **23**: 61-63.
1171. Verghese, A., 1994. Foraging model and other observations on the grape-eating bat, *Cynopterus sphinx* (Vahl). *Drakshavritta*, 141-142.
1172. Verghese, A., Chakravarthy, A. K. and Bhatnagar, A. K. 1983. Bird life in Ghana Bird Sanctuary, Bharatpur (India), before and after the 1979 drought. *Cheetal*, **23**: 13-23.
1173. Verghese, A., Chakravarthy, A. K. and Govindakrishnan, P. M. 1976. Influence of urbanisation on the avifauna of Bangalore, Karnataka, India. *Bulletin of the Ethological Society of India*, **1**: 72-83.
1174. Verghese, A., Chakravarthy, A. K. And Krishnamurthy, R. V. 1977. Nesting activities of the common pariah Kite, *Milvus migrans* Boddaert in Bangalore. *Indian Journal of Behaviour*, **1**: 1-4.
1175. Verghese, A., Jayanthi, P. D. K. and Anil Kumar, H. R. 2001. Foraging strategies in *Cryptolaemus montrouzieri* (Mulsant) with respect to the prey, *Planococcus lilacinus* (Cockerell). *Pest Management in Horticultural Ecosystems*, **7**: 45-53.
1176. Verghese, A., Manivannan, S., Jayathi, P. D. K. and Soumya, C. B. 2010. Can ethyl acetate be a substitute to insecticide in male annihilation technique of fruit flies. *Insect Environment*, **15**: 71.
1177. Verghese, A., Manivannan, S., Soumya, C. B. and Jayanthi, P. D. K. 2010. Field Evaluation of Neem Seed Powder in Male Annihilation Technique (MAT), *Pest Management in Horticultural Ecosystems*, **16**: 41-43.
1178. Verghese, A., Nagaraju, D. K. and Sreedevi, K. 2011. Hot water as an effective post harvest disinfestant for the Oriental fruit fly, *Bactrocera dorsalis* (Hendel) on mango. *Pest management in Horticultural Ecosystems*, **17**: 63-68.
1179. Verghese, A., Nagaraju, D. K. and Vasudev, V. 2004. Timing of spray intervention in the management of mango stone weevil, *Sternonchetus mangiferae* (Fabricius). *Insect Environment*, **10**: 62-64.
1180. Verghese, A., Nagaraju, D. K., Jayanthi, P. D. K. and Gopalakrishnan, C. 2003. Report of the Entomopathogenic fungus *Beauveria bassiana* (Balsamo) Vuillemin on Mango Stone Weevil. *Insect Environment*, **8**: 146-147.
1181. Verghese, A., Nagaraju, D. K., Jayanthi, P. D. K. and Jalikop, S. H. 2001. Varietal response of fig (*Ficus carica* L.) to *Batocera rufomaculata* (De Geer). *Insect Environment*, **7**: 100-101.

1182. Verghese, A., Nagaraju, D. K., Jayanthi, P. D. K. and Jalikop, S. H. 2003. Incidence of *Aclees* (?) *cribratus* Gyllenhal (Coleoptera: Curculionidae) on different varieties of fig. *Insect Environment*, **9**: 34-35.
1183. Verghese, A., Nagaraju, D. K., Kamala Jayanthi, P. D. and Madhura, H. S. 2005. Association of mango stone weevil (*Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae) with fruit drop in mango. *Crop Protection* (Elsevier, UK), **24**: 479 -481
1184. Verghese, A., Nagaraju, D. K., Kamala Jayanthi, P. D., Anil Kumar, H. R. and Madhura, H. S. 2003. Management of the nut weevil, *Sternochetus mangiferae* (Fabricius) on *Totapuri*, a mango variety of processing industry. *Pest Management in Horticultural Ecosystems*, **9**: 93-96.
1185. Verghese, A., Nagaraju, D. K., Madhura, H. S. and Kamala Jayanthi, P. D. 2005. Effectiveness of insecticides of synthetic plant and animal origin against the mango stone weevil, *Sternochetus mangiferae* (Fabricius) (Coleoptera: Curculionidae). *Crop Protection*, **24**: 633 - 636.
1186. Verghese, A., Nagaraju, D. K., Madhura, H. S., Jayanthi, P. D. K. and Sreedevi, K. 2006. Wind speed as an independent variable to forecast the trap catch of the fruit fly, *Bactrocera dorsalis*. *The Indian Journal of Agricultural Sciences*, **76**: 172-175.
1187. Verghese, A., Nagaraju, D. K., Madhura, H. S., Vasudev, V. and Jayanthi, P. D. K. 2004. Is azadirachtin useful in the management of the mango stone weevil, *Sternochetus mangiferae* (Fabricius)? *Journal of Food, Agriculture and Environment*, Finland, **2**: 212-215.
1188. Verghese, A., Nagaraju, D.K. and Sreedevi, K. 2005. Comparison of three indigenous lures/baits with three established attractants in case of fruit flies (Diptera: Tephritidae). *Pest Management in Horticultural Ecosystems*, **11**: 75-78
1189. Verghese, A., Shivananda. T. S., Jayanthi, P. D and Sreedevi, K. 2013. Frank Milburn Howlett (1877-1920): Discoverer of the pied piper's lure for the fruit flies (Tephritidae: Diptera). *Current Science*, **105**: 260-262.
1190. Verghese, A., Soumya, C. B, Shivashankar, S. Manivannan, S. and Krishnamurthy S. V. 2012. Phenolics as chemical barriers to female fruit fly (*Bactrocera dorsalis*) in mango. *Current Science*, **103**: 563-566.
1191. Verghese, A., Sreedevi, K., Devi, S., Nagaraju, D. K. and Jayanthi Mala, B. R. 2006. Pest free areas (PFA) of *Bactrocera caryae* (Kapoor) in major mango belts of south India. *Pest Management in Horticultural Ecosystems*, **12**: 75-84.
1192. Verghese, A., Sreedevi, K., Nagaraju, D. K. and Jayanthi Mala, B. R. 2006. A farmer-friendly trap for the management of the fruit fly, *Bactrocera* spp. (Tephritidae: Diptera). *Pest Management in Horticultural Ecosystems*, **12**: 164-167.
1193. Verghese, A., Sudhadevi, K., Jayanthi, P. D. K. and Sreedevi, K. 2003. Population estimation models for the spiraling whitefly, *Aleurodicus dispersus* Russell (Aleyrodidae: Homoptera) in guava. *Pest Management in Horticultural Ecosystems*, **9**: 1-12.
1194. Verghese, A., Tandon, P. L. and Rao, G. S. P. 1988. Ecological studies relevant to the management of *Thrips palmi* Karny on mango in India. *Tropical Pest Management*, **34**: 55-58.
1195. Verghese, A., Tandon, P. L. and Rao, G. S. P. 1988. Spatial distribution pattern and sampling plan for the mango blister midge, *Erosomyia indica* Glover (Cecidomyiidae: Diptera) in India. *Insect Science and its Application*, **9**: 515-518.
1196. Verghese, A., Tandon, P. L. and Stonehouse, J. M. 2004. Economic evaluation of the integrated management of the oriental fruit fly, *Bactrocera dorsalis* (Diptera: Tephritidae) in mango in India. *Crop Protection*, **23**: 61-63.
1197. Verghese, A., Uma, M. S., Jayanthi, P. D. K., Mouly, R. and Mahiba Helen, S. 2011. Evidence of random ovipositional strategy by female fruit fly *Bactrocera dorsalis* (Tephritidae: Diptera) with reference to host quantum. *Current Science*, **100**: 246-249.
1198. Verma, R., Singh, S. P. and Ganesh Raj, K. 2003. Assessment of changes in water hyacinth coverage of water bodies in northern part of Bangalore city using temporal remote sensing data. *Current Science*, **84**: 795-804.
1199. Vidya, H. S. and Nagesh, M. 2006. RAPD analysis of Indian isolates of *Xenorhabdus* spp. Associated with entomopathogenic nematode, *Steinernema* spp. *International Journal of Nematology*, **16**: 178.
1200. Vidya, H. S. and Nagesh, M. 2007. Biochemical and molecular profiling of indigenous *Xenorhabdus* isolates associated with *Steinernema* spp. *Journal of Biological Control*, **21**: 203-209.
1201. Viraktamath, C. A. and Bhumannavar, B. S. 2001. Biology, Ecology and management of *Diaphorina citri* Kuwayama (Homoptera: Psyllidae). *Pest management in Horticultural Ecosystems*, **7**: 1-27.

1202. Wakchaure, G. C., Meena, K. K., Choudhary, R. L., Singh, M. and Yandigeri, M. S. 2013. An improved rapid composting procedure enhance the substrate quality and yield of *Agaricus bisporus*, *African Journal of Agricultural Research*, **8**: 4523-4536.
1203. Wen-Chi Yeh and Veenakumari, K. 2000. Description of *Gynacantha andamanae* Spec. Nov. from South Andaman Island, Indian Ocean (Anisoptera: Aeshnidae). *International Journal of Odonatology*, **3**: 163-167.
1204. Yadav, A. K., Srivastava, A. K., Yandigeri, M. S., Kashyap, S. K., Modi, D. R. and Arora, D. K. 2010. Characterization of indigenous copper-resistant Streptomycetes from chickpea (*Cicer arietinum* L.) fields. *Annals of Microbiology*, **60**: 605-614.
1205. Yadav, A. K., Vardhan, S., Kashyap, S., Yandigeri, M. S. and Arora, D. K. 2013. Actinomycetes Diversity among rRNA Gene Clones and Cellular Isolates from Sambhar Salt Lake, India. *The Scientific World Journal*, 2013, 11 pp. <http://dx.doi.org/10.1155/2013/781301>
1206. Yadav, A. K., Vardhan, S., Yandigeri, M. S., Srivastava, A. K. and Arora, D. K. 2011. Optimization of keratin degrading enzyme from thermophilic strain of *Streptomyces sclerotialus*. *Research Journal of Microbiology*, **6**: 693-705.
1207. Yadav, A. K., Yandigeri, M. S., Vardhan, S., Sivakumar, G., Rangeshwaran, R., Tripathi, C. P. M. 2013. *Streptomyces* sp. S160: a potential antagonist against chickpea charcoal root rot caused by *Macrophomina phaseolina* (Tassi) Goid *Annals of Microbiology*, DOI 10.1007/s13213-013-0750-6
1208. Yadav, R. C., Singh, S. P., Jalali, S. K. and Rao, N. S. 2001. Effect of host density on parasitism and adult emergence in *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) in two systems. *Journal of Biological Control*, **15**: 11-14.
1209. Yadav, S. P., Kundu, A., Ahlawat, S. P. S., Senani, S., Chatterjee, R. N., Saha, S. K., Bhagat, D., Jeya Kumar, S. and Jai Sunder. 2002. Haematological parameters of indigenous goat of Andaman. *Indian Veterinary Journal*, **79**: 665.
1210. Yamada, K., Ballal, C.R., Gupta, T. and Poorani, J. 2010. Description of a new species of *Anthocoris* (Hemiptera: Heteroptera: Anthocoridae) from southern India, associated with striped mealybug on purple orchid tree. *Acta Entomologica Musei Nationalis Pragae*, **50**: 415-424.
1211. Yandigeri, M. S. and Pabbi, S. 2005. Response of diazotrophic cyanobacteria to alternative sources of phosphorus. *Indian Journal of Microbiology*, **45**: 131-134.
1212. Yandigeri, M. S., Meena, K. K., Singh, D., Malviya, N., Singh, D. P., Solanki, M. K., Yadav, A. K. and Arora, D. K. 2012. Drought-tolerant endophytic actinobacteria promote growth of wheat (*Triticum aestivum*) under water stress conditions. *Plant Growth Regulation*, **68**: 411-420.
1213. Yandigeri, M. S., Meena, K. K., Srinivasan, R. and Pabbi, S. 2011. Effect of phosphate solubilization on biological nitrogen fixation by diazotrophic cyanobacteria. *Indian Journal of Microbiology*, **51**: 48-53.
1214. Yandigeri, M. S., Yadav, A. K., Meena, K. K. and Pabbi, S. 2010. Effect of mineral phosphates on growth and nitrogen fixation of diazotrophic cyanobacteria *Anabaena variabilis* and *Westiellopsis prolifica*. *Antonie van Leeuwenhoek*, **97**: 297-306.
1215. Yandigeri, M. S., Yadav, A. K., Srinivasan, R., Kashyap, S. and Pabbi, S. 2011. Studies on mineral phosphate solubilization by cyanobacteria *Westiellopsis* and *Anabaena*. *Microbiology (Mikrobiologia)*, **80**: 558-565.
1216. Yi, T. M. and Ramani, S. 2003. Description of a new species of *Cybocephalus* Erichson (Coleoptera: Cybocephalidae) from India feeding on the spiralling whitefly, with notes on its biology. *Entomon*, **28**: 21-25.