

SRINIVASA MURTHY, K.



Dear Sir

Thank u for accepting me as editorial board member.

Please find herewith attached my biodata for your perusal. This would be updated shortly. The attached one may be considered tentatively.

regards

Srinivasa Murthy, K.

Principal Scientist (Agricultural Entomology)
Division of Molecular Entomology,
National Bureau of Agriculturally Important Insects
(Formerly: Project Directorate of Biological Control)
P.B. No. 2491, H.A. Farm Post, Hebbal,
Bangalore-560 024, INDIA

ksm239@rediffmail.com, ksmurthy.nbaii@gmail.com
09449051687

My focal areas of research are Integrated Pest Management and Biological control of crop pests. Interests include dynamics of host- parasitoid interactions, application of molecular techniques (microsatellites, AFLP, RAPD etc.,) in determining the genetic variations in populations of host insects, their natural enemies and associated endosymbionts. Currently, the research is on understanding the role of endosymbionts in fitness costs and benefits and symbiont mediated insecticide resistance.

Qualifications

Ph.D (Agril Entomology),	1994	AP Agricultural University, Hyderabad, India.
Master of Science (Agrl. Entomology)	1985	
Bachelor of Science (Agriculture)	1983	

Professional Experience

- Principal Scientist, National Bureau of Agriculturally Important Insects (NBAIL), Indian Council of Agricultural Research (ICAR), July 2009 till date.
- Senior Scientist, Project Directorate of Biological Control, Bangalore (PDBC), ICAR, June 2003 to July 2009
- Scientist (Senior Scale), Project Directorate of Biological Control, (PDBC), ICAR, Bangalore, March 2001 to June 2003.
- Scientist (Senior scale) National Centre for Integrated Pest Management , (NCIPM), ICAR New Delhi 1999 to 2001.
- Scientist, National Centre for Integrated Pest Management(NCIPM), ICAR, New Delhi, 1995 to 1999.

- Scientist (Probation): National Academy of Agricultural. Research Management(NAARM), , ICAR, Hyderabad and Directorate of Oilseeds Research, ICAR, Hyderabad, July 1994 to January 10th 1995.
- Research Associate - I Plant Quarantine Unit, International Crops Research Institute for the Semi-arid Tropics (ICRISAT) Patancheru, Hyderabad. AP (December 1987 to Febraury1994)

Projects Handled

Institute Projects

1	Studies on <i>Trichogramma brassica</i> and <i>Cotesia vestalis (plutellae)</i> interaction with their host in cabbage.	2010-13	PI	NBAII
2	Studies on Isolation and Characterization of endosymbionts of <i>Chrysoperla zastrowi arabica</i> , and their role in the fitness attributes.	2010-13	PI	NBAII
3	Development of Computational Tool for Prediction of Insecticide Resistance Gene in Agriculturally Important Insects	2011-14	Co-PI	NBAII
4	Insect Vector Components Influencing Phytoplasma diseases	2012-15	Co-PI	NBAII
5	<i>In-vitro</i> cloning for genetic improvement of NPV.	2006-09	PI	PDBC
6	Selection of superior strains of certain parasitoids and their molecular characterization.	2006-09	PI	PDBC
7	Selection of superior strains of <i>Chrysoperla carnea</i> and <i>Cryptoleamus montrouzeri</i> from different agro-ecosystems and their molecular characterization.	2006-09	Co-PI	PDBC
8	Development and evaluation of artificial diets for <i>Opisina arenosella</i> and <i>Plutella xylostella</i> and studies on host-parasitoid interrelations	2002-06	PI	PDBC
9	Development and evaluation of improved strains of trichogrammatids, <i>Cheilomenes sexmaculata</i> and <i>Chrysoperla carnea</i> tolerant to insecticides, temperature and high host searching ability	2002-06	Co-PI	PDBC
10	Evaluation of Improved and Selected Strains of Egg Parasitoids	2001-02	Co-PI	PDBC
11	Development and evaluation of artificial diets for some lepidopterous pests	2001-02	PI	PDBC
12	Validation of IPM modules in cotton	1995-2000	PI	NCIPM
13	Validation of IPM modules in chick pea and pigeon pea	1997-2000	Co-PI	NCIPM

Externally Funded Projects

1	Effect of abiotic stresses on the natural enemies of crop pests: <i>Trichogramma</i> , <i>Chrysoperla</i> , <i>Trichoderma</i> and <i>Pseudomonas</i> and mechanism of tolerance to these stresses	2009-14	CCPI	NAIP*
2	Baseline susceptibility for Cry1Ab Bt protein against corn pests	2010-12	Co-PI	Monsanto
3	Bioefficacy studies of cotton and maize tissues and baseline susceptibility studies of pests of cotton and maize against Bt.	2010-12	Co-PI	Dow Agro

	proteins (<i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>)			
4	Network project on Validation of IPM for rainfed cotton	1998-2001	Co-PI	NATP**

*National Agricultural Innovation Project- World Bank Funded

**National Agricultural Technology Project- World Bank Funded

Awards & Recognitions

ICAR Team Research Award (2001-2002) for Plant Protection , ICAR.

SPSS Fellow Award (2013) - Society for Plant Protection Sciences, New Delhi

Team Award NAIP-ICAR (2014) [Recognition of Development and Adoption of “Stress Tolerant Natural enemies”] - Society for Biocontrol Advancement, Bangalore.

SBA Fellow Award (2014) – Society for Biocontrol Advancement, Bangalore.

Recognized as Guide for Ph.D candidate Department of Zoology, University of Mysore.

Recognized as International coconut Research and Development Worker (Asian and Pacific Community, Indonesia).

Recognized as Associate Editor for *Journal of Biological Control*.

Peer Reviewer-

Indian Journal of Agricultural Sciences, Directorate of Information and Publications in Agriculture, New Delhi.

Journal of Biological Control, Society for Biocontrol Advancement, Bangalore.

External Examiner for Doctoral Thesis (Gujarat Agricultural University, AP Agricultural University)

Member, Selection committee for Research Associates and Senior Research Fellows for externally funded projects.

Treasurer, Society for Biocontrol Advancement, Bangalore.

Organizing Secretary, National Symposium on Harnessing Biodiversity for Biological Control of Crop Pests, May 25-26th , 2011, Bangalore.

Professional Memberships

Member - Entomological Society of India. , New Delhi

Member - Plant Protection Association of India., Hyderabad.

Member - Indian Science News Association. Calcutta.

Life Member - Society of Plant Protection Sciences. New Delhi

Life Member - Society for Bio control Advancement, Bangalore.

Guide for students- Post graduation and Doctoral

MSc (Biotechnology) -4 students

(From: PSG college of Arts & Science, Bharathiyar University, Coimbatore
Acharya Institute of Sciences, Bangalore, India.
Thanthai Hans Roever College, Perambalur , India.
Centre for Biotechnology, Tamilnadu Agricultural University, Coimbatore

M.Phil (Biotechnology) -1

Student from PRIST University, Thanjavur.

Ph.D (Zoology) – 2

Students from Department for studies in Zoology, University of Mysore, Mysore

Technologies developed & Transferred

1. IPM module for rainfed cotton
2. Temperature tolerant strain of *Goniozus nephantidis* Muesebeck (As PI)
3. Cost Effective semi-synthetic diet for the following insect pests was developed (*Opisina arenosella*, *Plutella xylostella*, *Spodoptera exigua*, *Crocicidolomia binotalis* and *Zygotogramma bicolorata*) (As PI)
4. Pesticide tolerant strain of *Chrysoperla zastrowi sillemi* (PTS-8)
5. Multiple insecticide and high temperature tolerant strain of *Trichogramma chilonis*

Trainings Organized / Conducted

1. **Course Coordinator** for Winter School on “ Molecular Mechanisms Involved in conferring Abiotic stress Tolerance to the Biological Control Agents “, 1-21 December 2011.
2. **Course Coordinator** for training program on “Molecular characterization of insect pests, their natural enemies and pathogens”, 16th– 23 rd January 2007.
3. **Course Coordinator** for training program on “Molecular characterization of insect pests, their natural enemies and pathogens”, 16th– 23 rd April 2007
4. **Co-Course Co-coordinator** for training program on “Winter school on ‘Biological and biotechnological approaches to insect pests and disease control’” from 14th November to 4th December 2007 (ICAR sponsored)
5. Co-Convenor “New Vistas in *Trichogramma* Research”, 23rd -28th January 2006.
6. **Co-convenor** for training program on “Molecular characterization of host insects, natural enemies and pathogens” (19-25th January 2006).
7. **Imparted training** on Mass production and Quality control aspects of natural enemies, Recent trends in biological control of pests and diseases (2007- 2008) (9 batches)

8. **Resource person** : Detection and Measurement of Insecticide Resistance including Molecular Aspects in Insect Pests” 2 -11 September, 2013

Publications (Annexure)

Research papers	Books	Book chapters	Technical Bulletins	Popular articles	Papers in Symposia
69	3	7	17	5	57

Best Papers

1. **Srinivasa Murthy, K.**, Jalali, S.K., Venkatesan, T. and Rajeshwari, R. 2009. Rearing the Mexican beetle *Zygogramma bicolorata* (Chrysomelidae: Coleoptera) on a semi-synthetci diet. *Biocontrol Science & Technology*, **33** (1): 1-5.
2. **Srinivasa Murthy, K.**, Rajeshwari, R., Jalali, S.K and Venkatesan, T. 2009. Assessment of genetic variation in *Cotesia flavipes* (Cameron) (Hymenoptera: Braconidae) as revealed by mitochondrial oxidase gene sequences. *Journal of Biological Control*, **23** (3): 249 – 254.
3. **Srinivasa Murthy, K.**, Venkatesan, T. and Jalali, S.K. 2005. Performance of *Goniozus nephantidis* Muesbeck multiplied on artificial diet reared *Opisina arenosella* Walker. *Indian Journal of Agricultural Sciences*, **75** (8): 529-531.
4. **Srinivasa Murthy, K.**, Venkatesan, T. and Jalali, S.K. 2005. Rearing of *Crocidolomia binotalis* Zeller (Pyralidae: Lepidoptera) on an artificial diet. *Journal of Biological Control*, **19** (2): 179-182.
5. **Srinivasa Murthy, K.**, 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** (4): 44-46.
6. 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 (**NAAS rating 8.2**).
7. Venkatesan, T., Jalali, S.K., Murthy, K.S. and 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**(11):910-912. (**NAAS rating 7.6**).
8. Jalali, S. K., Venkatesan, T., **Srinivasa Murthy, K** , Rabindra, R.J. and Lalitha, Y., 2007. Vacuum packaging of *Corcyra cephalonica* (Stainton) eggs to enhance shelf life for parasitisation by the egg parasitoid *Trichogramma chilonis*. *Biological Control*, **41**:64-67. (**NAAS rating 8.0**).
9. Venkatesan, T., Jalali, S.K., **Murthy, K.S.** and Bhaskaran, T.V. 2008. Development, survival and reproduction of *Orius tantillus* (Motschulsky) (Heteroptera: Anthocoridae) on artificial and natural diets. *Indian Journal of Agricultural Sciences* **78** (1): 102-105. (**NAAS rating 7.6**).
10. Venkatesan, T. Prasanth Mohanraj., Jalali, S.K., **Srinivasa Murthy, K.**, 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 & Technology*, **18** (3/4) :319-323 (NAAS rating 7.3).

Annexure

PUBLICATIONS

Research Papers

1. Ranga Rao, G.V., Upendra Ravi., Surender, A., **Murthy, K.S.** and Joshi, N.C.1994. Effect of Phosphine and Methyl bromide fumigation of different life stages of peanut bruchid. *Caryedon serratus* Olivier. *Indian Journal of Plant Protection*, **23** (1):72-74.
2. **Srinivasa Murthy, K.**, Gour, T.B., Reddy, D.D.R., Ramesh Babu, T. and Zaheruddeen, S.M. 1994. Effect of neem based insecticides against coconut black headed caterpillar, *Opisina arenosella* Walker. *Proceedings of the National Workshop on use of pheromones in Integrated Pest Management*, held at Directorate of Rice Research, Hyderabad. 8-9th February, 1994.pp:74-76
3. **Srinivasa Murthy, K.**, Gour, T.B., Reddy, D.D.R., Ramesh Babu, T. and Zaheruddeen, S.M. 1994. Management of Coconut black headed caterpillar, *Opisina arenosella* Walker. *Proceedings of the Symposium on Integrated Pest Management and Environment, 2-4, February*.Held at Breeze Hotel, Madras. Organised by Directorate of Plant Protection, Quarantine and Storage and FAO. pp: 5
4. **Srinivasa Murthy, K.**, 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
5. **Srinivasa Murthy, K.**, 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
6. 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** (1): 37-43
7. **Srinivasa Murthy, K.**, Gour, T.B., Reddy, D.D.R., Ramesh Babu, T. and Zaheruddeen, S.M. 1997. Integrated Pest Management Strategy for of coconut black headed caterpillar, *Opisina arenosella* Walker. *Journal of Pest Management & Applied Zoology*, **3**(2):119-121.
8. **Srinivasa Murthy, K.**, Sharma, O.P., and Puri, S.N.1997. Traditional Pest Management in Cotton. *Insect Environment*, **3** (3):73-74
9. Puri, S.N., **Srinivasa Murthy, K.** and Sharma, O.P.1999. Integrated Pest Management in Cotton. pp: 233-245. *In Hand Book on cotton in India*. (Eds.) Basu, A.K., Krishna Iyer, K.R., Narayanan, S.S. and Rajendran, T.P. Indian Society for Cotton Improvement, Mumbai.552pp.
10. 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**(1): 72-78

11. Sharma, O.P., Lavekar, R.C, **Murthy, K.S.**, and Puri, S.N. 2000. Habitat Diversity and Predatory Insects in Cotton IPM: Case study of Maharashtra Cotton Ecosystem. www.ipmworld.umn.edu. 5 pp.
12. 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** (4): 59-60.
13. **Srinivasa Murthy, K.** , Venkatesan, T and Jalali, S.K. 2002. Development of *Brachymeria nephantidis* Gahan (Hymenoptera : Chalcididae) on artificial diet reared *Opisina arenosella* Walker . Proceedings of the Symposium on Biological control of Lepidopteran Pests. July17 - 18th , 2002. Society for Biocontrol Advancement , PDBC, Bangalore
14. **Srinivasa Murthy, K.** , 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**(1): 20-22.
15. **Srinivasa Murthy, K.** , 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** (1): 23-28.
16. **Srinivasa Murthy, K.**, 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** (1):33-36.
17. **Srinivasa Murthy, K.**, Jalali, S.K and Venkatesan, T. 2004. Development of *Goniozus nephantidis* on artificial diet reared *Opisina arenosella*. *Annals of Plant Protection Sciences*, **12**(1): 193-242.
18. **Srinivasa Murthy, K.**, Venkatesan, T and Jalali, S.K. 2004. Ovipositional response of coconut black headed caterpillar *Opisina arenosella* Walker, *Shashpa*, **12** (1):58-59.
19. Venkatesan, T., Jalali, S.K., **Srinivasa Murthy, K.**, Rabindra, R.J. and Rao, N.S. 004. Comparative Life Table studies of *Goniozus nephantidis* (Musebeck) (Hymenoptera:Bethylidae) on three Lepidopteran Insect Pests. *Annals of Plant Protection Sciences*, **12** (1): 5-8.
20. S.K.Jalali, Venkatesan, T., **Murthy, K.S.** and Lalitha, Y. 2004. Influence of Temperature and Doasages on Parasitising ability of *Trichogrammatoidea bactrae* on *Plutella xylostella* eggs. *Annals of Plant Protection Sciences*, **12** (2): 425-426.
21. **Srinivasa Murthy, K.**, 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**(1):23-25
22. **Srinivasa Murthy, K.**, Venkatesan, T. and Jalali, S.K. 2005. Development of *Plutella xylostella* (L) on semi synthetic diet and suitability of diet reared host to larval parasitoid *Cotesia plutellae* (Kurdyumov). *Annals of Plant Protection Sciences*, **13**(2): 355-359.
23. 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** (1): 425-426.
24. S.K.Jalali, Venkatesan, T., **Murthy, K.S.**, Bhaskaran, T.V. and Lalitha, Y. 2005. Preliminary attempt at biological control of coconut black headed caterpillar, *Opisina arenosella* Walker using two *Trichogramma* species. *Cord*, **21**(2): 1-6.

25. **Srinivasa Murthy, K.**, Venkatesan, T. and Jalali, S.K. 2005. Rearing of *Crociodolomia binotalis* Zeller (Pyralidae: Lepidoptera) on an artificial diet. *Journal of Biological Control*, **19** (2): 179-182.
26. **Srinivasa Murthy, K.**, Venkatesan, T. and Jalali, S.K. 2005. Performance of *Goniozus nephantidis* Muesebeck multiplied on artificial diet reared *Opisina arenosella* Walker. *Indian Journal of Agricultural Sciences*, **75** (8): 529-531.
27. Venkatesan, T., Jalali, S.K. and **Srinivasa Murthy, K.**, and Bhaskaran, T.V. **2005**. Rearing of *Cheilomenes sexmaculata* on artificial diet and its predatory efficiency against *Aphis craccivora*. *Annals of Plant Protection Sciences* , **14** (2):277-279.
28. Jalali, S.K., **Murthy, K.S.**, Venkatesan, T., Lalitha, Y. and Devi, P.S. 2005. Adaptive Performance of *Trichogramma chilonis* Ishii at low Temperature. *Annals of Plant Protection Sciences*, **14** (1): 5-7.
29. Navatha, S. and **Srinivasa Murthy, K.** 2006. Host Preference for oviposition and feeding by the Diamond back moth *Plutella xylostella* Linn. (Yponomeutidae:Lepidoptera). *Annals of Plant Protection Sciences*, **14** (2): 283-286.
30. Jalali, S.K., **Murthy, K.S.**, Venkatesan, T., Lalitha, Y. and Devi, P.S. 2005. Field evaluation of multiple insecticide tolerant strain of *Trichogramma chilonis* Ishii against American bollworm *Helicoverpa armigera* (Hubner) on cotton. *Indian Journal of Plant Protection*, **34** (2): 173-180.
31. Venkatesan,T., Jalali, S.K., **Srinivasa Murthy, K.**, Rabindra, R.J., Rao, N.S. and Bhaskaran, T.V. 2005. Field evaluation of different doses of *Goniozus nephantidis* (Muesebeck) for the suppression of *Opisina arenosella* Walker on coconut. *CORD* , **22**:78-84.
32. **Srinivasa Murthy, K.**, 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** (2): 250-252
33. 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** (2): 99-104.
34. 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**(3): 193-199.
35. Jalali, S.K., Venkatesan, T., **Murthy, K.S.**, and Lalitha, Y. 2006. Development of high quality strain of *Trichogramma chilonis* Ishii (Hymenoptera: Trichogrammatidae) for field evaluation against Lepidopteran pests. *Entomon*, **31**(2): 65-68.
36. Venkatesan, T., Jalali, S.K., **Murthy, K.S.** and Bhaskaran, T.V. 2006. Development, survival and reproduction of an anthocorid *Orius tantillus* on artificial and natural diets. *Indian Journal of Agricultural Sciences*, **76**(6): 46-48.
37. Venkatesan, T., Jalali, S.K., **Murthy, K.S.** Rabindra, R. J. and Bharathidasan 2007. Economics of large scale production of *Goniozus nephantidis* Muesebeck. *Journal of Biological Control*, *Journal of Biological Control* **21**(1): 53-58.
38. 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.

39. Puri, S.N., Sharma, O.P., Lavekar, R.C., **Murthy, K.S.** and Dhandapani, A. 2006. On- farm validation of Bio-intensive IPM Mosule in Rainfed cotton in Southern Maharashtra. *Indian Journal of Plant Protection*, **34** (2): 248 –250.
40. Jalali, S.K., Venkatesan, T., **Murthy, K.S.**, Rabindra, R.J. and Lalitha, Y. 2007. Vaccum packaging of *Corcyra cephalonica* (Stainton) eggs to enhance shelf lifefor parasitisation by the egg parasitoid *Trichogramma chilonis*. *Biological Control*, **41**:64-67.
41. **Srinivasa Murthy, K.** , Veena kumari, K. and Jalali, S.K. 2008. Preliminary studies on the establishment of new cell lines from *Helicoverpa armigera* Hubner and *Spdoptera litura* Fabricius (Noctuidae:Lepidoptera). *Annals of Plant Protection Sciences*, **16** (1):32-34.
42. **Srinivasa Murthy, K.**, 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** (4): 44-46.
43. **Srinivasa Murthy, K.**, Jalali, S.K., Venkatesan, T. and **Rajeshwari, R.** 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** (1): 42-43.
44. **Srinivasa Murthy, K.**, **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** (3):195-199.
45. **Srinivasa Murthy, K.**, 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** (1): 51-54.
46. **Srinivasa Murthy, K.**, **Rajeshwari, R.**, Jalali, S.K and Venkatesan, T. 2009. Assessment of genetic variation in *Cotesia flavipes* (Cameron) (Hymenoptera: Braconidae)nas revealed by mitochondrial oxidase gene sequences. *Journal of Biological Control*, **23** (3): 249 – 254.
47. **Srinivasa Murthy, K.**, Jalali, S.K., Venkatesan, T. and **Rajeshwari, R.** 2009. Rearing the Mexican beetle *Zygogramma bicolorata* (Chrysomelidae: Coleoptera) on a semi-synthetci diet. *Biocontrol Science & Technology*, **33** (1): 1-5.
48. Venkatesan, T., **Murthy, K.S.** and Bhaskaran, T.V. 2009. Influence of parasitoid –*host density on the behaviour ecology of Goniozus nephantidis, a parasitoid of Opisina arenosella* . *Journal of Biological Control*, **23** (3): 255- 264.
49. 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** (3):257-263
50. Venkatesan, T., Jalali, S.K.,and **Murthy, K.S.** and Rabindra, R.J. 2009.Occurrence of insecticide resistance in field populations of *Chrysoperla zastrowi arabica* (Neuroptera:Chrysopidae) in India. *Indian Journal of Agricultural Sciences*, **79** (11): 910-912.
51. **Srinivasa Murthy, K.**, **Rajeshwari, R.**, Venkatesan, T. and Nesil Liz Baby. 2011. Detection and characterization of *Wolbachia* in *Cotesia plutellae* Kurdjumov (Braconidae: Hymenoptera), a parasitoid of the Diamond back moth *Plutella xylostella* (Linn.). *Journal of Biological Control*, **25** (3): 213-216

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Additional information

IT SKILLS

Office: Microsoft, Windows XP, Internet Explorer, Working knowledge of PC platform, Microsoft Powerpoint

References

Dr. S.N.Puri

Vice Chancellor (Retd)
Central Agricultural University
Iroisemba,
Imphal- 795 004
Manipur, India.
Phone No. 0385-2415933

Fax No. 0385-2410414

E-Mail ID: snpuri@rediffmail.com, snpuri04@yahoo.co.in

Dr. Abraham Verghese

Director
National Bureau of Agricultural Insect Resources
P B.No.2491, H A Farm Post
Bellary Road
Bangalore 560024, Karnataka, India.
Phone No: 23511982
E Mail: abraham.avergis@gmail.com