

Curriculum Vitae

Name: Dr. S.G. Eswara Reddy

Designation: Scientist

Division/Section: Entomology Laboratory, AMACIP Division

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Educational Qualifications

Degree Awarded	Name of University	Year	Percent
Ph.D (Agricultural Entomology)	University of Agricultural Sciences, GKVK, Bangalore, Karnataka	2005	93.33
M.Sc. Agriculture (Agricultural Entomology)	University of Agricultural Sciences, GKVK, Bangalore, Karnataka	2000	84.33
B.Sc. (Agriculture)	University of Agricultural Sciences, GKVK, Bangalore, Karnataka	1997	78.40

Ph. D thesis: Pest incidence and management strategy on capsicum and tomato grown under protected and open field cultivation.

M. Sc. thesis: Evaluation of brinjal varieties, selected botanicals and synthetic insecticides against pest complex of brinjal.

Research focus

- ❖ Studies on Insect diversity in tea, medicinal, aromatic and floricultural crops
- ❖ Screening of plant extracts/fractions/molecules/essential oils by utilizing Himalayan flora for insecticidal properties against *Plutella xylostella*, *Spodoptera litura*, *Aphis craccivora*, *Tetranychus urticae* etc.
- ❖ Development of microbial (entomopathogenic fungi) and botanical pesticides.
- ❖ Climate change studies related to insect life cycle and biology

Research Experience:

Organization/Institute	Designation	Period	Research work
Indian Institute of Horticultural Research (ICAR), Bangalore	SRF	29.9. 2000 to 31.12.2004	Pest management in Horticultural crops
Indian Institute of Horticultural Research (ICAR), Bangalore	SRF	13.12.2005 to 21.5.2006	Pest management in Horticultural crops
E I D Parry (I) Ltd, R & D Centre, Bangalore	Entomologist	22.5.2006 to 29.6.2007	Pest management in Sugarcane
Indofil Chemicals Company, Mumbai	Scientist	1.7.2007 to 3.2.2009	Screening of new pesticides against target pests and diseases
Central Muga Eri Research & Training Institute, Central Silk Board, Jorhat, Assam	Scientist-B	05.02.2009 to 30.06.2011	Muga silkworm and Host Plant protection
CSIR-IHBT, Palampur, HP	Scientist-C	07.07.2011 to till date	Development of biopesticides

Publications

Authors and year	Title	Journal
Reddy SGE*, Kumari A and Lal B (2013)	First report of the aphid, <i>Amphorophora ampullata</i> (Homoptera: Aphididae) on the fern, <i>Hypolepis polypodioides</i> (Hypolepidaceae) from Western Himalayas (India).	American Fern Journal, 3(3):185-187
Dutta P, Reddy SGE and Borthakur BK (2013)	Effect of neem kernal aqueous extract (NKAEE) in tea mosquito bug, <i>Helopeltis theivora</i> (Heteroptera: Miridae).	Munis Entomology & Zoology, 8 (1):213-218.
Reddy SGE*, Chauhan U, Kumari S, Nadda G and Singh M K (2014)	Comparative bio-efficacy of acaricides against two spotted spider mite, <i>Tetranychus urticae</i> (Koch) on chrysanthemum in poly house.	International Journal for Research in Chemistry and Environment
Neog K, Unni B G, Dey S, Renthlei C Z, Reddy SGE, Dutta P, Sonowal P and Rajan R K (2014)	Studies on the endocrine regulation of reproduction and ultra structure of brain and reproductive organs of muga silkworm <i>Antheraea assamensis</i> , Helfer (Lepidoptera: Saturniidae).	World J of Pharmacy and Pharmaceutical Sciences, 3(2):1407-1432.
Awasthi P, Ram R, Reddy SGE, Nadda G, Zaidi A A and Hallan V (2015)	Himalayan wild cherry (<i>Prunus cerasoides</i>) as a new natural host of Cherry necrotic rusty mottle virus (CNRMV) and a possible role of insect vectors in their transmission..	Annals of Applied Biology; DOI:10.1111/aab.12193
Singh A K, Dwivedi V, Rai A, Pal S, Reddy SGE, Rao D K V, Shasany A K and Dinesh A N (2015)	Virus-induced gene silencing of <i>Withania somnifera</i> squalene synthase negatively regulates sterol and defense-related genes resulting in reduced withanolides and biotic stress tolerance.	Plant Biotechnology Journal, 13, 1287-1299; DOI 10.1111/pbi. 12347
Kumar V, Reddy SGE*, Chauhan U, Kumar N and Singh B (2015)	Chemical composition and insecticidal activity of <i>Zanthoxylum armatum</i> against diamond back moth, <i>Plutella xylostella</i> .	Natural Product Research, 30(6):689-692.
Reddy SGE*, Dolma SK, Koundal R and Singh B (2015)	Chemical composition and insecticidal activity of essential oils against diamond back moth, <i>Plutella xylostella</i> .	Natural Product Research, DOI:10.1080/14786419.2015.1068772
Reddy SGE*, A Bhardwaj Dolma SK and Kumar N (2015)	Insecticidal activity and structure activity relationship of natural cinnamoyl amides and their synthetic analogues against cowpea aphid, <i>Aphis craccivora</i> Koch (Aphididae: Homoptera)	International Journal of Tropical Agriculture, 33(2):1670-74
Reddy SGE and Kumari A (2016)	Seasonal incidence of aphid, <i>Amphorophora ampullata</i> Bukton (Homoptera: Aphididae) on fern, <i>Hypolepis polypodioides</i> (Blume) Hook (Hypolepidaceae) from Western Himalaya.	Archives of Phytopathology and Plant Protection. DOI:10.1080/03235408.2016.1206726.

Chapters in Books

1. S.G. Eswara Reddy* (2012). Insect pests of muga sericulture and their management in Assam. Current topics in environmental Science, pp 128-152, ISBN: 978-93-5030-104-3, Oxford Book Company, Jaipur, Rajasthan, Sharma, BM (Editor).
2. Gireesh Nadda, S.G. Eswara Reddy * and Adarsh Shanker (2013). Insect and mite pests of tea and their management. pp 317-333. Science of Tea Technology. ISBN:978-81-7233-831-2, Scientific Publishers (India), Jodhpur. (Eds.) Ahuja PS, Gulati A, Singh RD, Sud, RK and Boruah RC.
3. S.G. Eswara Reddy*, Shudh Kirti Dolma and Anuja Bhardwaj (2016). Plants of Himalayan region as potential source of biopesticides for Lepidopteron insect pests. pp. 63-83. Herbal Insecticides, Repellents and Biomedicines: Effectiveness and Commercialization. ISBN 978-81-322-2702-1; ISBN 978-81-322-2704-5 (eBook); Vijay Veer and R. Gopalakrishnan (eds.), Springer India 2016.