



Dr . S. EZIL VENDAN

Scientist & AcSIR Faculty,
Food Protectants & Infestation Control Dept.,
CSIR-Central Food Technological Research Institute,
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RESEARCH AREAS

- Insect-Plant Interactions
- Insect Behaviour & Biocontrol
- Insect Biochemistry & Physiology
- Insecticides Hazards & Food Safety

EDUCATION

2010	Ph.D. Integrated Biology -Entomology	Entomology Research Institute, Loyola College, Chennai, India.
2004	M.Sc. Integrated Biology	School of Biological Sciences, Madurai Kamaraj University, Madurai, India.
2001	B.Sc. Zoology	Department of Zoology, The Madura College, Madurai, India.

RESEARCH EXPERIENCE

2017 – till date	Scientist , Food Protectants & Infestation Control Dept., CSIR-Central Food Technological Research Institute, Mysore, India.
2015 – 2017	Scientist Fellow (CSIR-QHS), Food Protectants & Infestation Control, CSIR-Central Food Technological Research Institute, Mysore, India.
2013 – 2014	Entomologist , AL-Yamama Co., Post Box 3746, Dammam 31481, Saudi Arabia.
2010 – 2013	Research Associate (DST-RA), Research Centre, Mahavir Cancer Sansthan, Patna, Bihar, India.

TEACHING EXPERIENCE

2017 – till date	AcSIR Faculty	Ph.D. Course Work	Infestation control, grain storage & pesticide residues
2017 – till date	AcSIR Faculty	M.Sc. Food Technology	Insect pests of stored spices & fumigation technique
2015 – till date	STC Faculty	Short Term Course	Biological pest control & pesticide residues

HONOURS, AWARDS & FELLOWSHIPS

2019	Gold Medal & Young Scientist Award	Motilal Nehru National Institute of Technology, Allahabad, UP.
2018	Jagar Nath Raina Memorial All India Best Publication Award	Sadhna, Dr. Y. S. Parmar University of Horticulture and Forestry, Solan, HP.
2018	Best Poster Award	8th International Food Convention from Association of Food Scientists and Technologists, CSIR-CFTRI, Mysore. KA.
2015	International Travel Fellowship	Centre for International Co-operation in Science (CICS), Chennai, TN.
2012	Reward of Honour	Institute for Educational Research & Innovative Action (IERIA), Bhopal, MP.
2006	JRF Fellowship	UGC, Ministry of HRD, Govt. of India., New Delhi
2003	GATE Qualified	IIT, Ministry of HRD, Govt. of India., New Delhi
2003	CSIR Qualified	CSIR-UGC, Ministry of HRD, Govt. of India., New Delhi

INVITED LECTURES

- **Post-Harvest Grain Storage and Food Processing: A View**, *National Workshop on Chemistry in Everyday Life*, Vellore Institute of Technology (VIT-AP), Vijayawada, Andhra Pradesh, 17th Apr. 2021.
- **Impact of Chemical Pesticides in Environment and Status of Eco-Friendly Pesticides Use**, *2nd Virtual International Conference on Modern Biology and Environmental*

Management, Vivekanandha College of Arts and Sciences for Women, Tiruchengode, 29th Mar. 2021.

- **Bioweapons: A View on Defense of Crops and Foods against Insects**, G. N. Ramachandran Science Club Webinar Series, Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST), Kerala, 29th Sep. 2020.
- **Pesticide Chemicals: Present Status and Future Challenges**, *National Conference on Environmental Sustainability Health and Pollution Abatement*, M.S.S. Wakf Board College, Madurai, 02nd Mar. 2020.
- **Insect-Plant Interactions and Infestation Tactics of Insect Pests**, *National Seminar on Recent Trends in Zoology*, S.B.K. College, Aruppukottai, 28th Feb. 2020.
- **Food Production and Protection: A View on Insect Pest Management**, *National Conference on Wetland Biodiversity and its Conservation Strategy*, A.V.V.M. Sri Pushpam College, Thanjavur, 31st Jan. 2020.
- **Agrobiodiversity and its Conservation Measures**, *National Level Awareness Programme on Biodiversity and Biodiversity Act*, Arulmigu Palaniandavar Arts College, Palani, 25th Sep. 2019.
- **Current Status and Future Perspectives in Post-Harvest Insect Pest Management**, *National Seminar on Recent Development in Animal Sciences*, Aditanar College of Arts and Science, Tiruchendur, 22nd Aug. 2019.
- **Stored Food Protection and Observation of Insect Pests under Foldscope Microscope**, *National Workshop on Foldscope & its Research Utilities*, Anandaram Dhekial Phookan College, Nagaon, Assam, 19th Aug. 2019.
- **Plant Volatiles and Non-Volatiles: A View on Food Protection and Biodiversity Conservation**, *National Seminar on Science & Technology for Insect Diversity Conservation & Agricultural Progressive*, KAS College, Coimbatore, 29th July 2019.
- **Stored Product Insect Pests and Infestation Control**, *Workshop on Integrated Pest Management Programme in Museums: A Modern Approach*, Regional Conservation Laboratory, Mysore, Karnataka 20th & 21st May 2019.
- **Foldscope Microscopy and Application**, *Foldscope Workshop Programme*, GPWC, Imphal, Manipur, 22nd Sep. 2018.
- **Microscopic Insights into the Sensory Systems and Infestation Tactics of Seed Borer Beetles**, *Seminar cum Hands-on Training on Foldscope*, RIPANS, Ministry of Health & Family Welfare, Govt. of India, Aizawl, Mizoram, 18th Sep. 2018.
- **Insect and Plant Metabolites: Role in Defense System and Applications**, *Faculty Development Programme on Techniques in Genomics, Proteomics & Bioinformatics*, Mepco Schlenk Engineering College, Virudhunagar, 16th Dec. 2017.
- **Pesticides for Food Protection: Current Status and Future Prospectives in India**, *International Conference on Food Microbiology & Food Safety*, D.D.G.D. Vaishnav College, Chennai, 11th Oct. 2017.
- **Natural Pesticides in India in the Context of Intellectual Property Rights**, *National Conference IPRBB-2015*, A.V.V.M. Sri Pushpam College, Thanjavur, 16th Sep. 2015.
- **Assessment of Carcinogenic Pesticides by HPLC and Arsenic by Arsenic-Kit in Biological Samples**, *Contact & Motivational Programme*, Mahavir Cancer Sansthan, Patna, Bihar, 22nd April 2012.

- **Environmental Carcinogens and Cancer Risks**, Department of Zoology and Biotechnology, The Madura College, Madurai, 03rd Aug. 2011.
- **Phytochemicals in Insect Pest Management**, P.G. and Research Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi, 06th Sep 2010.

THESIS

Vendan, S. E. 2010. Biological effects and pest control properties of chosen botanicals against *Helicoverpa armigera* Hub. and *Spodoptera litura* Fab. (Lepidoptera: Noctuidae). *Ph.D. Thesis. University of Madras, Chennai.*

Vendan, S. E. 2003. Roost and diet selection in the Indian flying fox *Pteropus giganteus* (Megachiroptera). *M.Sc. Thesis. Madurai Kamaraj University, Madurai.*

MAJOR RESEARCH PROJECTS (Ongoing/Completed)

2020 - 2022	Principal - Investigator	Scaling up the bio-fumigation technology for protection of stored food commodities from insect pests	CSIR	ATLAS Mission Mode	HCP-31	₹55.97 Lakh
2020 - 2023	Team - Member	Development of an effective bio-formulation against stored grain insect pest and induction of defense response pathway in plants against pathogen	CSIR	Flori- culture Mission Mode	HCP-37	-
2021 - 2023	Co- Principal - Investigator	Development of an Industrial scale cold plasma unit for decontamination of fruits and vegetables	MoFPI	R & D Scheme	GAP	₹32.59 Lakh
2019 - 2020	Principal - Investigator	Development of aromatic bio-fumigation process with air pressure for safe storage of post-harvest pulses and grains in storage bags	CSIR	In-House	MLP252	-
2018 - 2020	Principal - Investigator	Development of bio-fumigation system for safe storage of food commodities against stored product insect pests	MoFPI	R & D Scheme	GAP533	₹16.46 Lakh

2018 - 2019	Principal Investigator	Can visual sensation super impose olfactory sensation in the oviposition behavior of pulse beetle and rice weevil?	DBT	Foldscope Scheme	GAP527	₹8.00 Lakh
2018 - 2018	Team Member	Study of ovicidal action of phosphine generated from quickphos aluminium phosphide tablets on selected stored grain insects	UPL	R & D Scheme	SSP247	₹11.80 Lakh
2017 - 2019	Principal Investigator	Development of domestic scale storage bin for control of insect pests in stored food grains using plant based repellents	CSIR	In-House	MLP210	₹28.25 Lakh
2016 - 2017	Team Member	Multifaceted strategy for detection and control of insect infestation in rice	CSIR	In-House	MLP196	-

TRAINING & CERTIFICATE COURSES

- 2017 **Intellectual Property Rights and Related Issues**, workshop organized by CSIR-HRDC, Ghaziabad and CSIR-CFTRI, Mysore, India.
- 2007 **Post harvest entomological techniques for insect free grain storage to achieve nutritional security**, training programme sponsored by ICAR and organized by Tamil Nadu Agricultural University (TNAU), Coimbatore, India.
- 2001 **CCA (Certificate Course in Computer Application)** course conducted by TMC education, Madurai, India, recognized by New Delhi government.

SCIENTIFIC PROGRAMMES ORGANIZED

- Workshop Programme, **NER Twinning Programme cum Foldscope Seminar & Training, Organizing Secretary**, CSIR-CFTRI, Mysore, Karnataka, DBT sponsored, 19th Feb. 2019.
- Outreach Programme, **Observation of Stored Product Insect Pests under Foldscope, Programme Coordinator**, Soorahalli, Karnataka, DBT sponsored, 29th Nov 2018.
- Student Motivation Programme, **Contact Programme for Talented +2 Science Students 2010, Active Volunteer Organizer**, Mahavir Cancer Sansthan, Patna, Bihar, Prof. A. Nath PI-DST & Head, 19th to 25th Sep. 2010.

- Farmers Awareness Programmes, **Promotion of Biopesticides, Biofertilizers and Biocontrol agents, Team Leader**, Dr. S. Ignacimuthu, PI-DST & Director, Entomology Research Institute, Chennai, 2006 – 2010.

COUNTRIES VISITED [Professional / Academic purpose]

- Saudi Arabia & Egypt

SELECTED PUBLICATIONS [Total Citations – 655; i10-index – 13; h-index - 12]

- Noore, S., Ramesh, G., **Vendan, S. E.** and V. D. Nagaraju. 2021. Persistence and diffusion behaviour of chlorpyrifos in five different species of vegetables: a comparative analysis. *Ecotoxicology and Environmental Safety*. 217: 112208. (<https://doi.org/10.1016/j.ecoenv.2021.112208>) (**IF – 5.248**)
- Sahu, U., Ibrahim, S. S. and **S. E. Vendan**. 2020. Persistence and ingestion characteristics of phytochemical volatiles as bio-fumigants in *Sitophilus oryzae* adults. *Ecotoxicology and Environmental Safety*. 210: 111877. (<https://doi.org/10.1016/j.ecoenv.2020.111877>) (**IF – 5.248**)
- **Vendan, S. E.**, Manivannan, S., Sunny, A. M. and P. Murugesan. 2017. Phytochemical residue profiles in rice grains fumigated with essential oils for the control of rice weevil. *PLoS ONE*. 12(10): 1-17 e0186020. (<https://doi.org/10.1371/journal.pone.0186020>) (**IF – 2.942**)
- Manivannan, S. and **S. E. Vendan**. 2017. Insights into the functional potential of the rice weevil rostrum based on microstructure. *The Journal of Animal and Plant Sciences*. 27(2): 688-690. (**IF – 0.564**)
- **Vendan, S. E.** 2016. Current scenario of biopesticides and eco-friendly insect pest management in India. *South Indian Journal of Biosciences*. 2(2): 268-271. (doi: 10.22205/sijbs/2016/v2/i2/100315)
- Balamurugan, R., **Vendan, S. E.**, Aravinthan A. and Jong-Hoon Kim. 2015. Isolation and structural characterization of 2R, 3R taxifolin 3-O-rhamnoside from ethyl acetate extract of *Hydnocarpus alpina* and its hypoglycemic effect by attenuating hepatic key enzymes of glucose metabolism in streptozotocin-induced diabetic rats. *Biochimie*. 111: 70-81. (doi:10.1016/j.biochi.2015.02.003) (**IF – 3.424**)
- Nattudurai, G., **Vendan, S. E.**, Paulraj, M. G. and S. Ignacimuthu. 2014. Vermicomposting of coirpith with cowdung by *Eudrilus eugeniae* Kinberg and its efficacy on the growth of

Cyamopsis tetragonaloba (L) Taub. *Journal of The Saudi Society of Agricultural Sciences*. 13: 23-27. (<https://doi.org/10.1016/j.jssas.2012.12.003>)

- Nath, A., Priyanka, **Vendan, S. E.**, Kumar, S., Kumar. A. and J. K. Singh. 2013. Toxicity due to arsenic in Gangetic zone of Patna, India and its linkage with cancer. *Journal of Environmental and Analytical Toxicology*. 3:6, 1-3. (doi: 10.4172/2161-0525.1000192)
- Packiam, S. M., Anbalagan, V., Ignacimuthu, S. and **S. E. Vendan**. 2012. Formulation of a novel phytopesticide *PONNEEM* and its potentiality to control generalist herbivorous Lepidopteran insect pests, *Spodoptera litura* (Fabricius) and *Helicoverpa armigera* (Hubner) (Lipidoptera: Noctuidae). *Asian Pacific Journal of Tropical Disease*. S2: 720-723. (doi: 10.1016/S2222-1808(12)60251-5)
- Nath, A., Singh, J. K., **Vendan, S. E.**, Priyanka, Anamika. and S. Sinha. 2012. High risk of oral cancer in North India. *Current Science*. 102 (4): 556. (IF – 0.848)
- Nath, A., Singh, J. K., **Vendan, S. E.**, Priyanka. and S. Sinha. 2012. Elevated level of prostate specific antigen among prostate cancer patients and high prevalence in Gangetic zone of Bihar, India. *Asian Pacific Journal of Cancer Prevention*. 13 (1): 451-453. (DOI: 10.7314/APJCP.2012.13.1.221) (IF – 1.583)
- **Vendan, S. E.** 2011. Endosulfan ban in India: for good or not?. *Current Science*. 101 (11): 1398. (IF – 0.848)
- Lingathurai, S., **Vendan, S. E.**, Paulraj, M. G. and S. Ignacimuthu. 2011. Antifeedant and larvicidal activities of *Acalypha fruticosa* Forssk. (Euphorbiaceae) against *Plutella xylostella* L. (Lepidoptera: Yponomeutidae) larvae. *Journal of King Saud University (Science)*. 23: 11-16. (DOI: 10.1016/j.jksus.2010.05.012)
- Nath, A., Singh, J. K., **Vendan, S. E.** and Priyanka. 2011. Female reproductive cancers incidence in Bihar, India with the risk of xenoestrogenic arsenic in serum and in drinking water sources. In: Proceedings of the Second AACR International Conference on Frontiers in Basic Cancer Research; 2011 Sep 14-18; San Francisco, CA. Philadelphia (PA): AACR; *Cancer Research*. 2011; 71(18 Suppl): 29. (doi: 10.1158/1538-7445.FBCR11-B29)
- **Vendan, S. E.** and A. A. P. Anand. 2010. Is Masters of Philosophy worth pursuing?. *Current Science*. 99 (8): 994. (IF – 0.848)
- **Vendan, S. E.**, Lingadurai, S., Paulraj, M. G. and S. Ignacimuthu. 2010. Bioefficacy of neem oil formulation with *Hydnocarpus alpina* Wt. leaf extract against *Spodoptera litura* Fab. *International Journal of Current Research*. 3: 78-82.
- **Vendan, S. E.**, Lingadurai, S., Paulraj, M. G. and S. Ignacimuthu. 2010. Incidence of *Spodoptera litura* Fab. (Lepidoptera: Noctuidae) on *Argemone mexicana* Linn. (Papaveraceae). *Insect Environment*. 16 (1): 20-21.

- Valanarasu, M., Kannan, P., **Vendan, S. E.**, Ganesan, G., Ignacimuthu, S. and P. Agastian. 2010. Antifungal and antifeedant activities of extracellular product of *Streptomyces* spp. ERI-04 isolated from Western Ghats of Tamil Nadu. *Journal of Medical Mycology*. 20 (4): 290-297. (Doi: 10.1016/j.mycmed.2010.09.001) (IF – 1.560)
- Anand, A. A. P., Vennison, S. J., Sankar, S. G., Prabhu, I. G., Vasana, P. T., Raghuraman, T., Geoffrey, C. J. and **S. E. Vendan**. 2010. Isolation and characterization of bacteria from the gut of *Bombyx mori* that degrade cellulose, xylan, pectin and starch and their impact on digestion. *Journal of Insect Science*. 10 (107): 1-20. (doi: 10.1673/031.010.10701) (IF – 1.224)
- Baskar, K., Kingsley, S., **Vendan, S. E.**, Paulraj, M. G., Duraipandiyar, V. and S. Ignacimuthu. 2009. Antifeedant, larvicidal and pupicidal activities of *Atlantia monophylla* (L) Correa against *Helicoverpa armigera* Hubner. (Lepidoptera: Noctuidae). *Chemosphere*. 75: 355-359. (doi:10.1016/j.chemosphere.2008.12.034) (IF – 6.195)
- Lingathurai, S., Vellathurai, P., **Vendan, S. E.** and A. A. P. Anand. 2009. A comparative study on the microbiological and chemical composition of cow milk from different locations in Madurai, Tamil Nadu. *Indian Journal of Science and Technology*. 2 (2): 1-4. (doi: 10.17485/ijst/2009/v2i2/29394)
- Ignacimuthu, S. and **S. E. Vendan**. 2008. Botanical pesticides in insect pest management. *Uttar Pradesh Journal of Zoology (Suppl.)*. 4 (1): 141-154.
- Pavunraj, M., **Vendan, S. E.** and S. Ignacimuthu. 2006. Digestion of cellulose and starch by symbiotic bacteria in the gut of the giant tiger prawn *Penaeus monodon* (F.). *Journal of Advanced Zoology*. 27 (2): 56-60.

BOOK CHAPTERS

- **Vendan, S. E.**, Paulraj, M. G. and S. Ignacimuthu. 2010. Glutathione S-transferase activity and larval mortality in taxifolin 3-O-rhamnoside treated *Helicoverpa armigera* Hub. and *Spodoptera litura* Fab. In *Non-chemical Insect Pest Management*, Ignacimuthu, S. and David, B.V. (Eds), Elite Publishers, New Delhi, pp 64-71. (ISBN-13: 978-8188901418)
- **Vendan, S. E.**, Baskar, K., Paulraj, M. G. and S. Ignacimuthu. 2009. Antifeedant and larvicidal effects of *Hydnocarpus alpina* Wt. (Flacourtiaceae) extracts against the larvae of *Helicoverpa armigera* Hub. (Lepidoptera: Noctuidae). In *Ecofriendly Insect Pest Management*, Ignacimuthu, S. and David, B.V. (Eds), Elite Publishers, New Delhi, pp 210-216. (ISBN-13: 978-8188901371)
- **Vendan, S. E.**, Kaleeswaran, B., Baskar, K. and A. A. P. Anand. 2008. Conservation Status of Indian flying fox, *Pteropus giganteus* in Tamil Nadu, South India. In *Wildlife Biodiversity*

Conservation, Vikram Reddy, M. (Ed.), Daya Publishers, New Delhi, pp 81-91. (ISBN 13: 978-8170355298)

- **Vendan, S. E**, Baskar, K., Lingadurai, S., Ramar, M., Paulraj, M. G. and S. Ignacimuthu. 2008. Effect of plant extracts on larval development of *Helicoverpa armigera*. In *Recent Trends in Insect Pest Management*, Ignacimuthu, S. and Jayaraj, S. (Eds), Elite Publishers, New Delhi, pp 215-219. (ISBN 13: 978-8188901333)

PRODUCTS / TECHNOLOGIES DEVELOPED

2021 Herbal bulk sanitizer product*

2021 Herbal fogging disinfectants for mist sanitizer system#

2021 Herbal spray sanitizer#

2021 Herbal hand sanitizer (Gel form) #

2021 Herbal hand sanitizer (Liquid form) #

*PI, #Team Member

RESEARCH PAPER PRESENTATIONS

- 2019 National Conference on Advances in Microscopy and Foldscope, Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India (**Oral Presentation**)
- 2017 6th National Conference on Natural Science, Holy Cross College, Trichy, India. (**Oral Presentation**)
- 2016 Institute Seminar Programme, CSIR-Central Food Technological Research Institute, Mysore, India. (**Oral Presentation**)
- 2016 International Conference on Climate Change and its Implications on Crop Production and Food Security, BHU, Varanasi, India. (**Oral Presentation**)
- 2015 4th International Conference of Eco-friendly Applied Biological Control of Agricultural Pests and Phytopathogens, **Cairo, Egypt**. (**Oral Presentation**)
- 2012 International Conference on Reproductive Health with Emphasis on Strategies for Family Planning, ICMR, New Delhi, India. (*Poster Presentation*)
- 2012 National Conference on Climate Change, Biodiversity and Conservation, St. Andrew College, Gorakhpur, Uttar Pradesh, India. (**Oral Presentation**)
- 2012 National Seminar on Frontiers in Environmental Pollutants, Health and Applied Genetics, Mahavir Cancer Sansthan, Bihar, India. (**Oral Presentation**)
- 2011 AACR International Conference on New Horizons in Cancer Research: Biology to Prevention to Therapy Conference, Delhi, India. (*Poster Presentation*)
- 2011 4th Bihar Science Conference 2011, L.S. College, Muzaffarpur, Bihar, India. (*Poster Presentation*)
- 2009 5th International Conference on Biopesticides: Stakeholders Perspectives, The Energy and Resources Institute (TERI), New Delhi, India. (*Poster Presentation*)
- 2009 National Conference on Biotechnological Approaches for Ecofriendly Insect Pest Management, University of Madras, Chennai, India. (**Oral Presentation**)

- 2009 National Symposium on Non-chemical Insect Pest Management, Entomology Research Institute, Loyola College, Chennai, India. (*Oral Presentation*)
- 2009 Seminar on Recent Trends in Biological Sciences, Post-Graduate and Research Pachaiyappa's College, Chennai, India. (*Oral Presentation*)
- 2008 National Symposium on Ecofriendly Insect Pest Management, Entomology Research Institute, Loyola College, Chennai, India. (*Oral Presentation*)
- 2007 National Symposium on Recent Trends in Insect Pest Management, Entomology Research Institute, Loyola College, Chennai, India. (*Oral Presentation*)
- 2006 National Seminar on Wildlife Biodiversity Conservation, School of Life Sciences, Pondicherry University, Pondicherry, India. (*Oral Presentation*)
- 2006 National Conference on Biodiversity, Dept. of Advanced Zoology and Biotechnology, Loyola College, Chennai, India. (*Oral Presentation*)
- 2003 Science Day and Aqua-Terr Annual Symposium, School of Biological Sciences, Madurai Kamaraj University, Madurai, India. (*Poster Presentation*)

DOCTORAL/POST DOCTORAL - RESEARCH GUIDANCE (Ongoing/Completed)

Ms. Urvashi Sahu*	Ph.D. Research Scholar (SRF-CSIR)	AcSIR Ph.D. Program	Pursuing
Ms. L. Madhurya	Ph.D. Research Scholar (JRF-CSIR)	Mysore Univ. Program	Pursuing
Ms. Pratiksha Prabhakar G	Ph.D. Research Scholar (JRF-CSIR)	AcSIR Ph.D. Program	Pursuing
Ms. K. S. Aswathi	Ph.D. Research Scholar (JRF-CSIR)	AcSIR Ph.D. Program	Pursuing
Dr. Samar Sayed Ibrahim [#]	Post Doctoral Fellow (TWAS-CSIR)	International PDF Program	2020-2021

[#]Received Best Oral Presentation Award (ICETB-2020) during research guidance

*Received Best Poster Awards (NAC-2019 & ET-FPIC 2021) during research guidance

PROJECT FELLOWS / TRAINEE – RESEARCH GUIDANCE (Completed)

Mrs. Liza George (SRF, GAP-533)	Dr. K. Sowndhararajan (Trainee, SRTP-2020)	Mrs. D. P. Theertha* (JRF, GAP-527)
Ms. A. S. Mathews ^{\$} (PG Research)	Mr. V. T. Tamil Selvan (Trainee, SRTP-2020)	

Dr. A. L. Veerabhara Swamy
(Trainee, SRTP-2020)

Ms. N. Shaba
(PA, MLP-222)

[§]Received BIRAC SITARE - Appreciation Grant Award (2020) during research guidance

*Received Best Poster Award (IFCoN-2018) during research guidance

DISSERTATION PROJECT GUIDANCE - Completed

- Mathews, A. S. 2020. Investigation of structure-activity relationship of selected phytochemicals against *Callosobruchus maculatus* Fab. *B.Tech. Biotechnology, Vellore Institute of Technology, Vellore, TN.*
- Harshini, A. V. S. G. 2020. Investigation of quinone secretion variations in flour beetle at different stress exposures. *M.Sc. Biotechnology, GITAM Institute of Science, Visakhapatnam, Andhra Pradesh.*
- Nehaa, K. 2019. Optimization of biofumigation process for the control of stored product insect pests. *B.Tech. Biotechnology, Rajalakshmi Engineering College, Chennai, TN.*
- Srimathi, J. 2019. Generation of plant volatiles and evaluation of toxicity against stored product insect pests. *B.Tech. Biotechnology, Rajalakshmi Engineering College, Chennai, TN.*
- Swathi, R. 2019. Fumigation effect of selected phytochemicals and cuticular surface chemical profile analysis in stored product insect pests. *B.Tech. Biotechnology, Jeppiaar Engineering College, Chennai, TN.*
- Das, A. 2018. Determination of topical sedimentation and uptake of phytochemicals through cuticular surface in fumigated stored product insect pests. *M.Sc. Biotechnology, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha.*
- Dayi, A. S. 2018. Phytochemical residue determination and development of residue removal process from fumigated grains. *M.Sc. Food Technology and Quality Assurance, St. Mary's College for Women, Paliakara, Kerala.*
- Prince, A. 2018. Investigating the bio-fumigant properties of garlic and ginger essential oils for stored product insect control. *M.Sc. Food Technology and Quality Assurance, St. Mary's College for Women, Paliakara, Kerala.*
- Srivastav, S. 2016. Responses of rice weevil (*Sitophilus oryzae*) to volatiles of grains and essential oils. *M.Tech. Food Technology, Gautam Budha University, Lucknow, Uttar Pradesh.*

REVIEWER IN JOURNALS

- PloS ONE Journal (2021)
- Journal of Asia-Pacific Entomology, *Elsevier* (2020)
- Proceedings of the Zoological Society, *Springer* (2020)
- Psyche: A Journal of Entomology, *Hindawi* (2020)
- International Journal of Tropical Insect Science, *Springer* (2019 & 2020)
- Food Hydrocolloids, *Elsevier* (2019)
- Journal of Herbal Medicine, *Elsevier* (2019)
- Environmental Sustainability, *Springer* (2018)

- European Journal of Integrative Medicine, *Elsevier* (2017)
- Ethnobotany Research & Applications, *Georgia* (2019)
- International Journal of Insect Sciences, *Libertas Academica* (2015 - 2017)
- Entomology, Ornithology & Herpetology: Current Research Journal (2015 - 2017)
- Journal of Food: Microbiology, Safety & Hygiene (2016 - 2017)

MEMBERSHIP IN JOURNAL EDITORIAL BOARDS

- Trends in Biosciences (2018 to till date)
- Indian Journal of Natural Sciences (2016 to till date)
- Environmental Health Insights (2015 to 2017)

SCIENTIFIC/OUTREACH ACTIVITIES CITED IN SOCIAL MEDIA

Fumigation services during COVID-19 lockdown	FoodPro Newsletter	June 2020
New products display at the exhibition	Star of Mysore	16 th June 2019
Biopesticides	Deccan Chronicle	16 th May 2008
Kadavulin Thoodhuvalgai	Kalki magazine	08 th June 2008
Yearikai Poochikolli Ponneem	Naveena Velanmai magazine	Sep 2008

PROFESSIONAL CONTRIBUTIONS

Chief Guest	2 nd International Conference MBEM-2021, Vivekanandha College of Arts and Sciences for Women, Tiruchengode.	2021 Mar.
Chief Guest	National Conference ESHPA-2020, M.S.S. Wakf Board College, Madurai.	2020 Mar.
Reviewer – Project Report	Gandhian Young Technological Innovation (GYTI) Awards, SRISTI, Ahmedabad, Gujarat.	2020 Feb.
Chief Guest	National Seminar RDAS-2019, ACAS College, Thiruchendur.	2019 Aug.
Reviewer – Project Proposal	NECBH-DBT, IIT Guwahati, Assam.	2019 Feb.

Examiner	Ph.D. Thesis Evaluation, Bharathidasan University (11 Ph.D. thesis evaluated)	2019 - till date
Examiner	Ph.D. Thesis Evaluation, Manonmaniam Sundaranar University (1 Ph.D. thesis evaluated)	2017 Oct.
Paper Setter / Examiner	B.Tech. Food Engineering, Kerala Agricultural University, Kerala	2017 Nov.
Chairperson	International Conference ICCB-2016, S.B.K. College, Aruppukottai	2016 Sep.
Advisory Committee Member	National Conference IPRBB-2015, A.V.V.M. Sri Pushpam College, Thanjavur	2015 Sep.

ADMINISTRATIVE RESPONSIBILITIES @ CFTRI

Member	Project Review Committee – Biomolecules & Biotechnology	2021 – till date
Member	Library Committee	2021 – till date
Internal Auditor	ISO Standard: Environmental Management System & Quality Management System	2021 – till date
Chairman	Financial Committee, International Conference ET- FPIC 2021, 24th & 25th Feb. 2021.	2021 Feb.
Member	Organizing Committee – ICP Virtual Colloquium	2020 Dec.
Rapporteur	VAIBHAV Summit: Horizontal – Food Safety & Nutritional Security, Sub-Horizontal - Storage & Handling Strategy	2020 Oct.
Member	Scientist Selection Committee	2020 Sep.
Secretary	Pesticide Science Study Group	2020 – till date
Member	Project Fellow Selection Committee	2019 Dec.
Member	Doctoral Committee	2019 – till date.

Member	Swachada Pakhwada	2018 May
Member	Exhibition - Adanya Chetana Seva Utsav	2017 Dec.
Member	Project Work Evaluation Committee - PG Nutri. Bio.	2017 Jun.
Member	EMS Documentation Committee	2017 – till date
Member	Physical Verification Committee	2017 – till date
Convener	Departmental Seminar Programme	2015 – 2016

MEMBERSHIP IN ACADEMIC SOCIETIES

Life Member	National Academy of Biological Sciences (NABS)	2017 – till date
Life Member	The Indian Science Congress Association (ISCA)	2012 – till date

☆ *Thank You* ☆