

CURRICULUM VITAE OF Dr.R.P.SOUNDARARAJAN

Personnal Profile

Name : **SOUNDARARAJAN, R.P.**
Present Designation : Professor (Agricultural Entomology) &
Deputy Controller of Examinations
Father's Name : Palanisamy, R.S.
Date of birth : 27.07.1972
Age : 51 years
Nationality : Indian
Present Address : Office of the Controller of Examinations
Tamil Nadu Agricultural University
Coimbatore – 641 003
Tamil Nadu, India
Email: sound73insect@gmail.com
Mobile: +91 98422 891755



Educational Qualification

Class/ Degree	Subject	School / Institute	Year of passing	Marks/ Grade obtained	Marks (%)
Ph.D.	Agricultural Entomology	Department of Agricultural Entomology, Tamil Nadu Agricultural University, Coimbatore	Dec.2000	9.68/ 10.00	96.8
Master of Science (Ag.)	Agricultural Entomology	Faculty of Agriculture, Annamalai University, Tamil Nadu.	April 1996	9.20/ 10.00	92.0
Bachelor of Science (Ag.)	Agriculture	Faculty of Agriculture, Annamalai University, Tamil Nadu.	July 1993	3.64/ 4.00	91.0

Career History
Work Experience

In regular post (under Tamil Nadu Agricultural University, Coimbatore):

S.No.	Place of work	Position	From	To
i.	Agricultural College and Research Institute, TNAU, Madurai	Teaching Asst. / Assistant Professor	01.12.2004	11.05.2005
ii.	Horticultural Research Station, TNAU, Yercaud, Salem dt.	Assistant Professor	12.05.2005	11.05.2007
iii.	National Pulses Research Centre, TNAU, Vamban, Pudukottai dt.	Assistant Professor	12.05.2007	03.09.2007
iv.	Krishi Vigyan Kendra, TNAU, Vamban, Pudukottai dt.	Assistant Professor	04.09.2007	20.05.2008
v.	National Pulses Research Station, TNAU, Vamban, Pudukottai dt.	Assistant Professor	21.05.2008	30.04.2013
vi.	Department of Agricultural Entomology, TNAU, Coimbatore	Assistant Professor	01.05.2013	31.10.2013
vii.	Department of Rice, TNAU, Coimbatore	Assistant Professor / Associate Professor	01.11.2013	07.03.2019
viii.	Horticultural College & Research Institute for Women, TNAU, Nalalur Kuttapattu, Trichy	Associate Professor	08.03.2019	31.01.2022
ix.	Office of the Controller of Examinations, TNAU, Coimbatore	Professor	01.02.2022	Till date
Total service 19 years, 6 months (as on 1st June 2024)				

Awards and Recognitions

S. No.	Category wise
	Awards
1.	'Outstanding Researcher International Award' conferred by Kamarajar Institute of Education and Research, Tamil Nadu during 2023.
2.	"Agricultural Scientist Award' conferred by Dr.B.V.David Foundation, Tamil Nadu during 2023
3.	'Distinguished Scientist Award' conferred by Global Nature Foundation, Tamil Nadu during January 2022
4.	'Platinum Achievers Award 2022' for contribution in Entomology by Council for Academic Performance & Appraisal, New Delhi during 11 th September, 2022.
5.	'Excellence in Research Award' conferred by Agro Environmental Development Society, Uttar Pradesh during August, 2021
6.	'Best Book Award' conferred by Agricultural Scientific Society, New Delhi in the 6 th National Conference on Agricultural Scientific Tamil during 21-22, December 2020
7.	Awarded Gujarat Agro Industries Gold Medal during Post Graduate in Agricultural Entomology at Convocation, Annamalai University, Tamil Nadu during 1996
8.	Awarded Rajah Sir Muthiah Chettiar Agriculture Silver Jubilee Memorial Prize during Under Graduate Programme at Convocation, Annamalai University, Tamil Nadu during 1994
	Fellowships
1.	Inducted as Fellow by the Society for Biotic and Environmental Research, Tripura, India from August, 2020
2.	Inducted as Fellow by Entomological Society of India, IARI, New Delhi from December, 2013
3.	Awarded ICAR Senior Research Fellowship in Agricultural Entomology for Ph.D. programme by Indian Council of Agricultural Research, New Delhi during 1998.

Professional Experiences

- A total of six years of experience in rice research particularly host plant resistance to insect pests apart from Ph.D. dissertation work on QTL s for Brown Plant hopper resistance in Rice.
- Have experience in pulses research and helped in development of new varieties in urd bean and mung bean with resistance to insect pests.
- A regular P.G. and Ph.D teacher for the courses related to Host plant interaction to insects at University and outstation colleges.
- During post graduate dissertation work, studies on whitefly *Bemisia tabaci* biology on eggplant accessions and host plant resistance studies were carried out. The biological control of *B.tabaci* using the parasitoids *Encarsia transvena* & *Eretmocerus mundus* were studied under glasshouse conditions and tritrophic interaction between host plant-whitefly-parasitoids was analysed. Have published three research articles and two proceeding chapters.
- Under doctoral programme host plant resistance associated with QTL s for Brown Plant hopper resistance in Rice was carried out. The techniques on sucking pest biological studies, base work on molecular biology and interpreting the molecular data with biological studies were learned during the period. Have published two international articles and seven national articles from the Ph.D. work.
- Have undergone three weeks training on “Biosystematics of Agriculturally important Insect and Mite Biodiversity” sponsored by ICAR at Department of Entomology, UAS, Bangalore.

Education achievements:

S.No.	Teaching of Courses	No. of courses handled
1.	Under graduate courses for B.Sc. (Agriculture / B.Sc. Horticulture)	12
2.	Post graduate / Doctoral courses in Agricultural Entomology	15
3.	Diploma and Open distance learning courses	2

Guidance for Post Graduate students:

As Research guide:

S.No.	Name of the student	Degree	Department	Year	Title
Post graduate (At TNAU)					
1.	M.Thamarai 2014600519	M.Sc.	Agricultural Entomology	2014- 2016	Phenotypic screening and validation of brown planthopper, <i>Nilaparvata lugens</i> (Stal) resistant genes in rice genotypes
2.	S.J.Reuolin 2015600507	M.Sc.	Agricultural Entomology	2015- 2017	Population dynamics and host plant interactions of rice yellow stem borer, <i>Scirpophaga incertulas</i> (Walker)
3.	K.Venkatesh 2017600516	M.Sc.	Agricultural Entomology	2017- 2019	Evaluation of rice landraces for multiple insect pest resistance
4.	U.Pirithiraj 2018670503	M.Sc.	Agricultural Entomology	2018- 2020	Ecology and management of jasmine insect pests
5.	Thandra Rakesh 2019505305	M.Sc.	Agricultural Entomology	2019- 2021	Studies on insect plant interactions on major insect pests and natural enemies in wild rice magic population
6.	V.Aswini 2021505024	M.Sc	Agricultural Entomology	2021- 2023	Exploring host plant resistance in <i>Jasminum</i> spp. against flower and foliage feeders

Students Guided – As Research Advisory Committee Member:

S.No.	Name of the student	Degree	Department	Year	Title
Post graduate (At TNAU)					
1.	E.V.Anagha 13-503-001	M.Sc.	Agricultural Entomology	2013- 2015	Insecticide resistance in rice brown planthopper, <i>Nilaparvata lugens</i> (Stal) (Hemiptera: Delphacidae)
2.	Sudhanshu Bala Nayak 2014600517	M.Sc.	Agricultural Entomology	2014- 2016	Insecticide resistance in rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guenee) (Pyralidae: Lepidoptera)
3.	S.Chitra 2014600504	M.Sc.	Agricultural Entomology	2014- 2016	Host plant resistance against rice leaf mite, <i>Oligonychus oryzae</i> Hirst (Acari: Tetranychidae)

4.	M.Nandakumar 2014601519	M.Sc.	Plant Pathology	2014-2016	Characterization and efficiency of entomopathogenic fungi in the control of important pest and sheath blight disease or rice
5.	Timmanagouda S.Patil 2014600818	M.Sc.	Plant Breeding and Genetics	2014-2016	Assessing levels of resistance and identifying candidate genes based on linked markers for brown planthopper, <i>Nilaparvata lugens</i> (Stal) resistance in rice
6.	Naveen M.Hiremath 2014600318	M.Sc.	Agricultural Biotechnology	2014-2016	Development of insect resistant transgenic rice using cry2AS1 gene
7.	K. Hari Priya 2015600502	M.Sc.	Agricultural Entomology	2015-17	Exploring the potential of Biocontrol agents and botanicals for the management of legume pod borer, <i>Maruca vitrata</i> (Crambidae: Lepidoptera)
8.	S.Nandha Kumar 2015600317	M.Sc.	Agricultural Biotechnology	2014-2016	Development and characterization of insect resistant transgenic rice plants
9.	R.Krishnakumar 2015600332	M.Sc.	Agricultural Biotechnology	2014-2016	Marker-Assisted selection for biotic stress (Bacterial leaf blight and gall midge) tolerance in BC ₄ F ₄ generation of rice (CO43)
10.	V.Gowtham 2016600504	M.Sc.	Agricultural Entomology	2016-18	Isolation and characterization of indigenous <i>Bacillus thuringiensis</i> effective against south American pinworm, <i>Tuta absoluta</i>
11.	R.K.Navyashree 2016600316	M.Sc.	Agricultural Biotechnology	2016-2018	Multidimensional analysis of molecular mechanisms of brown planthopper, <i>Nilaparvata lugens</i> (Stal) resistance in rice
12.	G.Vishnu Brindha Devi 2016600816	M.Sc.	Plant Breeding and Genetics	2016-2018	Characterization and diversity analysis of germplasm lines in rice (<i>Oryza sativa</i> L.)
13.	N.Gokulraj 2016601702	M.Sc.	Crop Physiology	2016-2018	Influence of silicon on physiology and yield of rice under drought stress
13.	Sandra Maria Mathew 2017600513	M.Sc.	Agricultural Entomology	2017-2019	Evaluation of rice genotypes for resistance to anguomois grain moth, <i>Sitotroga cerealella</i>

Externally funded Projects obtained:

Sl. No.	Name of the scheme	Sponsor	Duration/ Period	Budget	Position PI/ Co-PI
1.	Incentivizing Research in Agriculture- Molecular genetic analysis of resistance/tolerance to different stress in rice, wheat, chickpea and mustard- Rice component by TNAU, Coimbatore	ICAR	April 2017- March 2020	Rs.33.78 lakhs	Co-PI
2.	Development of pre-breeding genetic stocks, in rice for yield enhancement, heterotic potential and resistance to brown planthopper and stem borer	ICAR	Jan. 2016- Mar.2017	Rs.20.83 lakhs	Co-PI
3.	Development of early maturing high yielding blackgram for rice fallow conditions through gamma irradiation	BRNS, Mumbai	2015-2016	Rs.10.35 lakhs	Co-PI
4.	Insecticide resistance monitoring of brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> to rynaxypur 20 SC	E.I.DuPond India Pvt. Ltd.	Oct 2015 – Mar. 2017	Rs.6.40 lakhs	Co-PI
5.	Evaluation of sulfoxaflor 24 SC and spinetoram + methoxyfenozide 36 SC against rice BPH, stem borer and leaf folder under controlled condition	Dow AgroSciences India (P) Ltd. Mumbai	July 2016 – June 2017	Rs.4.62 lakhs	Co-PI
6.	Evaluation of bioefficacy and phytotoxicity of emamectin benzoate and insecticide CCP 924 against insect pests of rice	Crystal Crop Protection Pvt. Ltd., Delhi	2014-2016	Rs.6.93 lakhs	PI
7.	Evaluation of bioefficacy and phytotoxicity of spinetoram + sulfoxaflor against lepidopteran and sucking pest complex of rice	Dow AgroSciences India Pvt. Ltd, Mumbai	2014-2016	Rs.4.86 lakhs	PI
8.	Evaluation of bioefficacy and phytotoxicity of IIL-Ebentox against <i>Helopeltis</i> and looper in tea	Insecticide India Limited, Delhi	2014-2016	Rs.4.86 lakhs	Co-PI
9.	Improved package of practices for Aromatic plants (Geranium, Patchouli and Stevia) through training and demonstration at Orissa at HRS, Yercaud	M/s. Indika Biofuels & Energy Private Limited, Bhubaneswar	2006-2008	Rs. 2.91 lakhs	Co-PI

Membership in Professional Bodies / Organization

Sl. No.	Name of the professional body/ organization
1.	Life Fellow in Entomological Society of India, IARI, New Delhi
2.	Life Member in Madras Agricultural Students Union, TNAU, Coimbatore
3.	Life Member in Indian Society of Pulses Research and Development, IIPR, Kanpur
4.	Life Member in Society of Plant Protection Sciences, IARI, New Delhi
5.	Life Member in Society for Biocontrol Advancement, NBAII, Bangalore
6.	Life Member in the Agricultural Scientific Tamil Society, New Delhi
7.	Life Member in Entomological Academy of India, Chennai
8.	Life Member in Society for Biotic and Environmental Research, Tripura, India
9.	Life Member in Indian Academic Researchers Association, India

Involved in crop varieties developed & released by State Variety Release Committee:

Sl. No.	Contribution made	Office	Year
1.	Contributed for the development of new rice variety CO 55	Dept. of Rice , TNAU, Coimbatore	2022
2.	Contributed for the development of new rice variety CO 54	Dept. of Rice , TNAU, Coimbatore	2021
3.	Contributed for the development of new rice variety CO 53	Dept. of Rice , TNAU, Coimbatore	2020
4.	Contributed for the development of new rice variety CO 52	Dept. of Rice , TNAU, Coimbatore	2017
5.	Contributed for the development of new pulse- blackgram variety VBN 8	National Pulses Research Centre, Vamban	2016
6.	Contributed for the development of new rice variety CR 1009 Sub 1	Dept. of Rice , TNAU, Coimbatore	2015
7.	Contributed for the development of new pulse -TNAU Blackgram VBN 7	National Pulses Research Centre, Vamban	2012
8.	Contributed for the development of new pulse- TNAU Blackgram VBN 6	National Pulses Research Centre, Vamban	2011
9.	Contributed for the development of new pulse-Green gram VBN (Gg) - 3	National Pulses Research Centre, Vamban	2009

LIST OF PUBLICATIONS

Books

- Soundararajan, R.P.** and Chitra Narayanasamy (2020). Trends in Integrated Pest Management. (Eds.) IntechOpen Publishing Ltd., London, UK, 81pp. [ISBN 978-1-78984-484-9].
- Jeyakumar, Chandrasekaran, M. and **Soundararajan, R.P.** (2020). Insect Pests and Nematodes attacking on Crops (Tamil). Shanlox Publications, Tamil Nadu, pp.320 [ISBN: 978-93-90082-12-4].
- Manisegaran, S. and **Soundararajan, R.P.** (2015). Pest Management in Field Crops- Principles and practices. – **Revised Second Edition**, Agrobios Publications, Jodhpur, India, 316p. {ISBN (13): 978-81-7754-575-3}
- Soundararajan, R.P.** (2012) Ed. Pesticides - Advances in Chemical and Botanical Pesticides. Intech Open Science, Janeza Trdine, Croatia, 382p. {ISBN: 978-953-51-0680-7}.
- Soundararajan, R.P.** (2012) Ed. Pesticides – Recent Trends in Pesticide Residue Assay. Intech Open Science, Janeza Trdine, Croatia, 272p. {ISBN: 978-953-51-0681-4}.
- Soundararajan, R.P.**, Kadirvel, P. and Gunathilagaraj, K. (2012). Genetics of Quantitative Resistance to Brown Planthopper in Rice. LAP Lambert Academic Publishing GmbH & Co. KG, Germany, 186p. {ISBN: 978-3-659-12746-5}
- Manisegaran, S. and **Soundararajan, R.P.** (2010). Pest Management in Field Crops- Principles and practices. Agrobios Publications, Jodhpur, India, 316p. {ISBN (10): 81-7754-321-0}

Research articles

- Ramesh D., Chandrasekaran M., **Soundararajan R.P.**, Subramanian, P.P., Palled, V. and Praveen Kumar, D. (2022). Solar-powered Plant Protection Equipments: Perspective and prospects. *Energies* 15(19); 7379, <https://doi.org/10.3390/en15197379> (NAAS 2022 score: 9.00).
- Devasena N., Saraswathi, R., Jeyaprakash, P., **Soundararajan, R.P.**, Preetha, G. and Kannan, M. (2022). Ultrastructural and morpho-anatomical features of rice plants confer first-level of defense against yellow stem borer (*Scirpophaga incertulas* Walker) infestation. *Arthropod-Plant Interactions*, 16 (2); 263-273 (NAAS 2022 score: 7.99).
- Pirithiraj, U., **Soundararajan, R.P.**, Gailce Leo Justin, C. and Lakshmanan, V. (2022). Seasonal incidence of major insect pests of jasmine, *Jasminum sambac*. *Indian Journal of Entomology*, DoI: 10.55446/IJE.2022.437NAAS 2022 score: 5.08.
- Pirithiraj U., **Soundararajan R. P.**, Justin, C.G.L. and Lakshmanan, V. (2021). Studies on insect diversity in Jasmine (*Jasminum sambac* L.) ecosystem. *Journal of Environmental Biology*, 42: 1470– 1477 (NAAS 2021 score: 6.78).
- Reuolin, S.J., Muthukrishnan, N., Paramasivam, M., **Soundararajan, R.P.**, Subramaniam K.S. and Maragatham, N. (2021). Volatile profiles as affected by rice brown planthopper and yellow stem borer in rice landraces. *Indian Journal of Entomology*, 83, (DoI No.: 10.5958/0974-8172.2021.00091.2)NAAS 2021 score: 5.08.
- Sukumar, S., Kennedy, J.S., Raveendran, M., Pushpam, R., Jeyaprakash, P., **Soundararajan, R.P.**, Balasubramani, V. and Manonmani, K. (2021). Phenotypic screening for

- identification of new sources of resistance against brown planthopper, *Nilaparvata lugens* (Stal) in Rice. *The Pharma Innovation*, 10(12):1024-1029 (NAAS score 2021: 5.23).
- Gokulapriya, G., Chandrasekaran, M., Indhumathi, K. and **Sundararajan, R.P.** (2021). Diversity and population dynamics or predatory fauna in the brinjal ecosystem under IPM and non-IPM situations. *Journal of Biological Control* 35(2); DOI: 10.18311/jbc/2021/28638 (NAAS 2021 Score - 4.99)
- Rakesh, T, **Sundararajan, R.P.**, Sheeba Joyce Roseleen, S. and Jeyaprakash, P. (2021). Evaluation of wild rice MAGIC population for biophysical parameters and yellow stem borer resistance, *Electronic Journal of Plant Breeding*, 12 (3): 998-1010 (NAAS 2021 score: 5.14).
- Sowmiya, L., Chandrasekaran, M. and **Sundararajan, R.P.** (2021). Evaluation of cost effective natural attractants for fruit fly in snake gourd ecosystem. *Journal of Pharmacognosy and Phytochemistry* 10(2): 151-156. (NAAS rating 2020: 5.21)
- Sandra Maria Mathew, Jeyarajan Nelson, S., **Sundararajan, R.P.** and Uma, D. (2021). Resistance in Paddy Genotypes against *Sitotroga cereallevella* (Oliv.) (Lepidoptera; Gelechiidae). *Research Journal of Agricultural Sciences*, 12(1): 383-387 (NAAS rating 2020: 4.54)
- Reuolin, S.J., Muthukrishnan, N., Paramasivam, M., **Sundararajan, R.P.**, Subramaniam K.S. and Maragatham, N. (2021). Herbivore induced plant volatile of paddy and their influence in the attraction of mirids, *Cyrtorhinus lividipennis* Reuter. *Journal of Entomological Research*, 45(2); 203-209 (NAAS 2021 score: 5.89)
- HariPriya, K., Jeyarani, S., Mohankumar, S. and **Sundararajan, R.P.** (2021). Evaluation of biorational methods against spotted pod borer, *Maruca vitrata* (F.) in lablab and green gram. *Indian Journal of Entomology*, **83(2)**: 269-272 (NAAS rating 2020: 5.08)
- Sowmiya, L., Chandrasekaran, M. and **Sundararajan, R.P.** (2021). Evaluation of Modified Cost Effective Trap Designs to enhance the Trapping Efficiency of Fruit Flies in Snake Gourd Ecosystem. *International Journal of Current Microbiology and Applied Sciences*, **10(2)**:990-1005 (NAAS rating 2020: 5.38).
- Sowmiya, L., Chandrasekaran, M., **Sundararajan, R.P.** and Sheeba Joyce Roseleen, S. (2021). Influence of colour and design on the trapping efficiency of fruit flies in snake gourd. *Journal of Entomology and Zoology Studies* 9(2): 1261-1267 (NAAS rating 2020: 5.53).
- Sundararajan, R.P.**, Preetha, G., Vijayashanthi, A., Prabakaran, M., Sithanatham, S., Ramaraju, K. and Muthukrishnan, N. (2020). Scope to maximise rice yellow stem borer moth catch in delta trap pheromone traps. *American Journal of Entomology*, **4** (4): 58-65. [ISSN: 2640-0537]
- Reuolin, S.J. and **Sundararajan, R.P.** (2020). Susceptibility of rice varieties against yellow stem borer at different growth stages. *Annals of Plant Protection Sciences*, 28(1); 93-95. (NAAS rating 2020: 4.82).
- Sowmiya, L., Chandrasekaran, M., **Sundararajan, R.P.** and Ramesh, D. (2020). Biology and morphometry of melon fruit fly, *Zeugodacus cucurbitae* in different cucurbitaceous hosts. *Journal of Entomology and Zoology Studies*, 9(1):353-357. (NAAS rating 2020: 5.53)
- Pirithiraj, U., **Sundararajan, R.P.**, Gailce Leo Justin, C. and Lakshmanan, V. (2020). Influence of abiotic factors on major insect and mite pests of jasmine, *Jasminum sambac*, *Journal of Entomology and Zoology Studies*, 8(3); 680-684 (NAAS 2020 score: 5.53).

- Sowmiya, L., Chandrasekaran, M., **Soundararajan, R.P.** and Ramesh, D (2020). Influence of weather factors on the occurrence, population fluctuation and species diversity of fruit flies in snake gourd ecosystem, *International Journal Current Microbiology and Applied Sciences*, 9(9); 165-173 (NAAS score 2020: 5.38).
- Soundararajan, R.P.** (2020). Mass culturing of rice yellow stem borer, *Scirphophaga incertulas* W. (Crambidae: Lepidoptera), *Journal of Entomology and Zoology Studies*, 8(3); 891—895 (NAAS 2020 score: 5.53).
- Pirithiraj,U., **Soundararajan, R.P.** and Gailce Leo Justin, C. (2020). Epigenetics Mechanisms in Insects – A Review, *International Journal of Current Microbiology and Applied Sciences*, 9(5); 1060-1071 (NAAS 2020 score: 5.21).
- HariPriya, K., Jeyarani, S., Mohankumar, S. and **Soundararajan, R.P.** (2019). Field evaluation of biocontrol agents and biopesticides against spotted pod borer, *Maruca vitrata* (Geyer) on lab., *Indian Journal of Agricultural Research*, 53(5); 599-603 (NAAS 2019 score: 4.86).
- HariPriya, K., Jeyarani, S., Mohankumar, S. and **Soundararajan, R.P.** (2019). Efficacy of Entomopathogenic fungi, *Beauveria bassiana* against *Maruca vitrata* (Geyer) under laboratory condition, *International Journal of Current Microbiology and Applied Sciences*, 8(9); 1060-1071, (NAAS 2019 score: 5.21).
- Sudhanshu Bala Nayak, Manoharan, T. and **Soundararajan, R.P.** (2019). Synergism of insecticides by enzyme inhibitors in different populations of *Cnaphalocrocis medinalis* in Tamil Nadu, *Chemical Science Reviews and Letters*, 8(32); 329-334 (NAAS 2019 score: 5.21).
- Reuolin, S.J., **Soundararajan, R.P.** (2019). Study on impact of weather parameters on the incidence of stem borer complex in Rice, *Journal of Entomological Research*, 43(4); 487-490, (NAAS 2019 score: 5.05).
- Robin S., Pushpam R., Rajeswari S., Amudha K., Jeyaprakash P., Manonmani S., Raveendran M., Rabindran R., Ramanathan R., Suresh S., **Soundararajan R.P.**, Radhamani S., Ravichandran V. and Ganesamurthy K (2019). CO 52 (IET 25487): A highly remunerative medium duration rice variety, *Electronic Journal of Plant Breeding*, 10(3); 1148-1160, (NAAS 2019 score: 4.97).
- Venkatesh, K., **Soundararajan, R.P.**, Muthukrishna, N. and Jeyaprakash, P. (2019). Evaluation of rice landraces against plant and leafhoppers, *Electronic Journal of Plant Breeding*, 10(2); 413-418 (NAAS 2019 score: 4.97).
- Robin, S., Jeyaprakash, P., Amudha, K., Pushpam, R., Rajeswari, S., Manonmani, S., Ravichandran, V., **Soundararajan, R.P.**, Ramanathanm A. and Ganesamurthy, K. (2019). Rice *CR 1009 Sub 1* (IET 22187) – A new flood tolerant rice variety, *Electronic Journal of Plant Breeding*, 10(3); 995-1004 (NAAS 2019 score: 4.97).
- Sandra Maria Mathew, Jeyarajan Nelson, S. **Soundararajan, R.P.**, Uma D., Jeyaprakash, P. (2019). Screening of Paddy Varieties against Angoumois grain moth, *Sitotroga cerealella*, *Electronic Journal of Plant Breeding*, 10(2); 476-482 (NAAS rating 2019: 4.97).
- Navyashree, R.K., **Soundararajan, R.P.** and Mohankumar, S. (2019). Analysis of brown planthopper, *Nilaparvata lugens* feeding induced volatiles in rice cultivars, *Indian Journal of Entomology*, 81(1); 182-190 (NAAS 2019 score: 5.08).

- Reuolin, S.J. and **Soundararajan R.P.** (2019). Seasonal variation of egg parasitoids on yellow stem borer, *Scirpophaga incertulas* (Walker) in Rice, *Annals of Plant Protection Sciences*, 27(2); 181-184 (NAAS 2019 score: 4.82).
- Reuolin, S.J., **Soundararajan, R.P.** and Jeyaprakash, P. (2019). Field Screening of Wild Introgressed Rice lines for Resistant to Yellow Stem Borer, *Scirpophaga incertulas* W., *Electronic Journal of Plant Breeding*, 10(2); 570-575 (NAAS 2019 score: 4.97).
- Soundararajan, R.P.** and Jeyaprakash, P. (2019). Impact of yellow stem borer, *Scirpophaga incertulas* (Walker) damage on sequentially planed rice cropping systems, *International Journal of Agriculture Sciences*, 10(91); 8721-8724 (NAAS 2019 score: 4.20).
- Soundararajan, R.P.** and Jeyaprakash, P. (2019). Rapid screening of rice genotypes for resistant to brown planthopper, *Nilaparvata lugens* (Stal), *Electronic Journal of Plant Breeding*, 10(1); 76-82 (NAAS 2019 score: 4.97).
- Mohanapriya, B., Jeyaprakash, P., Raveendran, M., **Soundararajan, R.P.**, Ramchander, S., Subashini, G., Prabhakaran, P., Manonmani, K. and Robin, S. (2019). Marker assisted introgression for brown planthopper resistance genes *Bph20* and *Bph21* in CO43 Sub1 variety of rice, *Electronic Journal of Plant Breeding*, 10(2); 645-652 (NAAS 2019 score: 4.97).
- Soundararajan, R.P.** and Gururaj Katti (2018). Evaluation of insecticides against yellow stem borer, *Scirpophaga incertulas* (Walk.) in Rice. *Annals of Plant Protection Sciences* 26(2): 244-248.
- Indhumathi, J., Muthukrishnan, N., Durairaj, C., Thavaprakash, N. and **Soundararajan, R.P.** (2018). Exogenous application of jasmonic acid enhances management of leaf folder and biocontrol services of entomophages in rice. *Green Farming* 9(4): 687-692.
- Reuolin, S.J. and **Soundararajan, R.P.** (2018). Seasonal incidence of yellow stem borer, *Scirpophaga incertulas* (Walker) in Rice. *Annals of Plant Protection Sciences* 26(1); 69-73.
- Devasena, N., **Soundararajan, R.P.**, Reuolin, S.J., Jeyaprakash, P. and Robin, S. (2018). Evaluation of Rice genotypes for resistance to yellow stem borer, *Scirpophaga incertulas* (Walker) through artificial screening methods. *Journal of Entomology and Zoology Studies* 6(1); 874-878.
- Sudhanshu Bala Nayak, Manoharan, T and **Soundararajan, R.P.** (2018). Detoxifying enzyme assay in *Cnaphalocrocis medinalis* (Guenee) populations in Tamil Nadu. *Journal of Experimental Zoology India* 21(1); 433-438.
- Reuolin, S.J., **Soundararajan, R.P.** and Sridharan, S (2018). Influence of different stages of rice crop on yellow stem borer, *Scirpophaga incertulas* (Walker) and its egg parasitoids. *Journal of Entomology and Zoology Studies* 6 (2); 804-807.
- Gowtham, V., Kannan, M., Senthilkumar, M. and **Soundararajan, R.P.** (2018). Isolation and characterization of indigenous *Bacillus thuringiensis* Berliner from animal ordure effective against South American tomato pinworm, *Tuta absoluta* (Meyrick). *Pest Management in Horticultural Ecosystems* 24(1): 1-7.
- Gokulraj, N, Ravichandran, V., Boomanathan, P. and **Soundararajan, R.P.** (2018). Response of silicon on membrane stability, plant water status and yield of rice genotypes under drought. *International Journal of Agriculture Sciences* 10(3): 6615-6618.

- Soundararajan, R.P.**, Thamarai, M, Chandrasekar, K and Jhansi Lakshmi, V. (2017). Tolerance Mechanism of resistance in selected rice genotypes against Brown planthopper, *Nilaparvata lugens* (Stål). *Journal of Rice Research* **10**(2): 66-69.
- Soundararajan, R.P.** and Chitra, N. (2017). Field evaluation of mungbean (*Vigna radiata* L.) germplasm for resistance against pod borer complex. *Legume Research* **40** (4): 768-772.
- Thamarai, M. and **Soundararajan, R.P.** (2017). Reaction of rice genotypes against specific population of brown planthopper, *Nilaparvata lugens* (Stal). *Annals of Plants Protection sciences* **25**(1): 74-77.
- Thamarai, M. and **Soundararajan, R.P.** (2017). Evaluation of antibiosis resistance to brown planthopper, *Nilaparvata lugens* (Stal) in rice. *Journal of Entomology and Zoology Studies* **5**(3): 954-957.
- Chitra,S., Vishnupriya, R., **Soundararajan, R.P.** and Ramaraju, K. (2017). Seasonal incidence of leaf mite, *Oligonychus oryzae* Hirst. (Acari: Tetranychidae) in Rice. *Journal of Entomology and Zoology Studies* **5**(6); 2481-2484.
- Sudhanshu Bala Nayak, Manoharan, T. and **Soundararajan, R.P.** (2017). Assessment of baseline toxicity of newer insecticides for rice leaf folder *Cnaphalocrocis medinalis* (Guenee) (Lepidoptera: Pyralidae). *Journal of Entomological Research* **41**(1): 19-23.
- Sudhanshu Bala Nayak, Manoharan, T and **Soundararajan, R.P.** (2017). Monitoring Insecticide Resistance to leaf folder, *Cnaphalocrocis medinalis* (Guenee) (Lepidoptera: Pyralidae) in rice growing regions of Tamil Nadu. *Journal of Entomology and Zoology Studies* **5**(6); 23-26.
- Chandrasekar, K., Suresh, S., **Soundararajan, R.P.** and Boopathi, T. (2017). Evaluation of resistance in some rice genotypes against whitebacked planthopper (WBPH) *Sogatella furcifera* (Horvath). *Journal of Entomology and Zoology Studies* **5**(4): 1575-1577.
- Chandrasekar, K., Suresh, S., **Soundararajan, R.P.** and Boopathi, T. (2017). Feeding behaviour of whitebacked planthopper, *Sogatella furcifera* (Horvath) on selected Rice genotypes. *Journal of Entomology and Zoology Studies* **5**(5): 1655-1659.
- Chandrasekar, K., Muthukrishnan, N., **Soundararajan, R.P.** (2017). Ecological engineering cropping methods for enhancing predators, *Cyrtorhinus lividipennis* (Reuter) and suppression of planthopper, *Nilaparvata lugens* in Rice – Effect of Intercropping system. *Journal of Pharmacognosy and Phytochemistry* **5** (5): 2387-2391.
- Chandrasekar, K., Muthukrishnan, N., **Soundararajan, R.P.** (2017). Ecological engineering cropping methods for enhancing predators, *Cyrtorhinus lividipennis* (Reuter) and suppression of planthopper, *Nilaparvata lugens* in Rice – Effects of border cropping system. *International Journal of Current Microbiology and Applied Sciences* **6**(12): 330-338.
- Kannan, M. and **Soundararajan, R.P.** (2017). Development of electrospun nanofiber sex pheromone for yellow stem borer, *Scirpophaga incertulas* in Rice. *ICAR-IIRR News Letter* **15**(1): 43-44.
- Soundararajan, R.P.** and Chitra, N. (2016). Field efficacy of insecticides against legume pod borer, *Maruca vitrata* in black gram. *Indian Journal of Plant Protection* **44** (2); 169-172.
- Chandrasekar, K., Muthukrishnan, N., **Soundararajan, R.P.**, Robin, S. and Prabhakaran, N.K. (2016). Ecological engineering cropping methods for enhancing predators *Coccinella*

- semtempunctata* and suppression of planthoppers, *Nilaparvata lugens* (Stal) in rice. *Advances in Life Sciences* **5**(16): 6271-6277.
- Chandrasekar, K., Muthukrishnan, N., **Soundararajan, R.P.**, Robin, S. and Prabhakaran, N.K. (2016). Ecological engineering cropping methods for enhancing predators *Cyrtorhinus lividipennis* (Reutor) and suppression of planthoppers, *Nilaparvata lugens* (Stal) in rice. *Advances in Life Sciences* **5**(16): 6311-6317.
- Gidamo, G.H., Kumaravadivel, N., Rabindran, R., Ramanathan, A., **Soundararajan, R.P.** and Selvi, B. (2015). Identification and validation of microsatellite marker linked to the putative bacterial blight gene Xa33 in Rice. *Trends in Biosciences* **8**(4): 1069-1073.
- Soundararajan, R.P.** and Chitra, N. (2014). Field screening of black gram, *Vigna mungo* L. germplasm for resistance against pod borer complex. *Indian Journal of Entomology* **76** (2); 142-148.
- Soundararajan, R.P.** and Chitra, N. (2014). Larval cannibalism in spotted pod borer, *Maruca vitrata* (Geyer). *Insect Environment* **20** (1); 17-18.
- Soundararajan, R.P.**, Geetha, S., Chitra, N. and Dinakaran, D. (2013). Resistance in *Vigna mungo* var. *silvestris* against Bruchids, *Callosobruchus maculatus* (F.). *Annals of Plant Protection Sciences* **21** (2): 279-282.
- Soundararajan, R.P.**, Chitra, N. and Geetha, S. (2013). Host plant resistance to insect pests of grain legumes – A review. *Agricultural Reviews* **34** (3); 176-187.
- Chitra, N. and **Soundararajan, R.P.** (2013). Field infestation by *Callosobruchus* spp. (Coleoptera: Bruchidae) in pigeonpea. *Indian Journal of Entomology* **75** (3); 263-265.
- Soundararajan, R.P.**, Chitra, N., Dinakaran, D. and Geetha, S. (2013). Changing Scenario of pod sucking bug damage in Mungbean. *Pulses Newsletter* **24** (2): 5
- Soundararajan, R.P.**, Dinakaran, D., Chitra, N. and Packiaraj, D. (2013). Evaluation of acaricide for the management of sterility mosaic disease in pigeonpea. *Pulses Newsletter* **24** (2): 4
- Dinakaran, D., **Soundararajan, R.P.**, Chitra, N. and Geetha, S. (2013). Simple and low cost traps for management of whitefly in mungbean and urdbean. *Pulses Newsletter* **23** (4): 4
- Soundararajan, R.P.** and Chitra, N. (2012). Impact of intercrops on insect pests of blackgram, *Vigna mungo* L. *Journal of Entomology* **9** (4): 208-219.
- Soundararajan, R.P.**, Chitra, N., Geetha, S. and Poorani (2012). Biological control of bruchid *Callosobruchus maculatus* (F.) in blackgram. *Journal of Biopesticides* **5**: 192-195
- Chitra, N. and **Soundararajan, R.P.** (2012). Insect diversity in pigeonpea ecosystem in Tamil Nadu. *Indian Journal of Entomology* **73** (4): 349-356.
- Soundararajan, R.P.**, Geetha, S., Chitra, N. and Dinakaran, D. (2012). Outbreak of aphids in summer irrigated blackgram of Tamil Nadu. *Pulses Newsletter* **23** (2): 6
- Chitra, N., **Soundararajan, R.P.**, Dinakaran, D. (2012). Integrated management of gram pod borer in pigeonpea. *SAARC AgriNews* **6** (3); 8-9
- Soundararajan, R.P.** and Chitra, N. (2011). Effect of bioinoculants on sucking pests and pod borer complex in urdbean. *Journal of Biopesticides* **4** (1): 7-11.
- Chitra, N. and **Soundararajan, R.P.** (2010). A preliminary note on butterfly diversity in Pudukottai, Tamil Nadu. *Bionotes* **12** (4): 136-137
- Chitra, N., **Soundararajan, R.P.**, Geetha, S. and Suresh, S. (2010). Sudden Incidence of mango mealy bug *R.iceroyoides* in Pigeonpea. *Pulses Newsletter* **21** (4): 2.

- Soundararajan, R.P.**, Gunathilagaraj, K. and Lakshmanan, V. (2008). A Preliminary note on Odonata in Eastern Ghats of Tamil Nadu. *Bugs 'R' All*, July 2008, No. 16, 14-15
- Kadirvel, P., Maheswaran, M., **Soundararajan, R.P.** and Gunathilagaraj, K. (2007). A new phenotypic screen to map quantitative trait loci associated with rice tolerance for planthoppers. *International Rice Research Notes* **32.2**: 28-30.
- Sugumaran, M.P., **Soundararajan, R.P.** and Lakshmanan, V. (2007). Spider fauna in the horticultural crops of Yercaud hills. *Zoos' print Journal* **22(6)**: 2721-2722.
- Gailce Leo Justin, C. and **Soundararajan, R.P.** (2006). Effect of food attractants on coconut red palm weevil, *Rhynchophorus ferrugineus* Oliver. *Indian Journal of Agricultural Research*, **40** (2): 154-156.
- Soundararajan, R.P.** and Gailce Leo Justin, C. (2005). Evaluation of chemicals and botanicals on the damage by Coconut perianth mite, *Aceria guerreronis* Keifer. *Annals of Plant Protection Sciences*, **13(2)**: 400-103.
- Soundararajan, R.P.**, Gunathilagaraj, K., Kadirvel, P., Maheswaran, M. and Chitra, N. (2005). Mechanisms and Genetics of resistance to brown planthopper, *Nilaparvata lugens* (Stal) in rice, *Oryza sativa* L.- A Review. *Agricultural Reviews* **26(2)**: 79-91.
- Soundararajan, R.P.**, Kadirvel, P., Gunathilagaraj, K. and Maheswaran, M. (2004). Mapping of quantitative trait loci associated with resistance to brown planthopper in rice by means of a double haploid population. *Crop Science* **44**: 2214-2220.
- Soundararajan, R.P.**, Gunathilagaraj, K., Maheswaran, M. and Chitra, N. (2004). Resistance of double haploid rice lines to brown planthopper, *Nilaparvata lugens* (Stal). *The Madras Agricultural Journal* **91**: 168-170.
- Soundararajan, R.P.**, Gunathilagaraj, K. and Chitra, N. (2003). Influence of plant age and population density of Brown Planthopper, *Nilaparvata lugens* (Stal). on resistance to Rice Double Haploid lines. *Journal of Applied Zoological Researches* **14(1)**: 18-22.
- Soundararajan, R.P.** (2003). Antibiosis effect of eggplant germplasm on survival of whitefly, *Bemisia tabaci* G. *Indian Journal of Plant Protection* **31** : 101-102.
- Soundararajan, R.P.**, Chitra, N. and Gunathilagaraj, K. (2003). Antibiosis effect of Rice Double Haploid lines on growth and adult longevity of Brown Planthopper, *Nilaparvata lugens* (Stal). *Indian Journal of Plant Protection* **31(1)**: 154-156.
- Chitra, N. Gunathilagaraj, K. and **Soundararajan, R.P.** (2003). Distribution of natural enemies of rice leaffolders. *The Madras Agricultural Journal* **90**: 373-376.
- Chitra, N., **Soundararajan, R.P.** and Gunathilagaraj, K. (2003). Life table studies for rice leaffolders. *The Madras Agricultural Journal* **90**: 371-373.
- Chitra, N., **Soundararajan, R.P.** and Gunathilagaraj, K. (2003). Damage potential of some orthopterans in rice. *Journal of Applied Zoological Researches* **14**: 137-139.
- Soundararajan, R.P.**, Gunathilagaraj, K., Suresh, S. and Chitra, N. (2002). Feeding behaviour of brown planthopper on rice double haploid lines. *The Madras Agricultural Journal* **89**: 313-314.

- Soundararajan, R.P.**, Chitra, N. and Gunathilagaraj, K. (2002). Evaluation of antibiosis resistance to Brown Planthopper, *Nilaparvata lugens* (Stal). in rice, *Oryza sativa* L. *Journal of Applied Zoological Researches* **13**(1): 14-18.
- Chitra, N., Gunathilagaraj, K. and **Soundararajan, R.P.** (2002). Predatory potential of some predators on rice leaf folder eggs in rice. *Oryza sativa* L. *Journal of Applied Zoological Researches* **13**:172-173.
- Chitra, N., Gunathilagaraj, K. and **Soundararajan, R.P.** (2002). Prey preference of Orthopteran predators on rice insect pests. *Journal of Biological Control* **16**: 109-112.
- Chitra, N., Gunathilagaraj, K. and **Soundararajan, R.P.** (2002). Habitat selection for oviposition by *Pantala flavescens* (Fab.) (Libellulidae: Odonata). *Zoos' Print Journal* **17**: 957-958.
- Gailce Leo justin, C., **Soundararajan, R.P.**, Rabindra, R.J. and Swamiappan, M. (2002). Dosage and time mortality response of the diamond back moth, *Plutella xylostella* (L.) to *Bacillus thuringiensis* Berlinger formulation. *Pest Management and Economic Zoology* **9**(2): 109-113.
- Soundararajan, R.P.**, Gunathilagaraj, K. and Chitra, N. (2001). Feeding rate of the brown planthopper, *Nilaparvata lugens* (Stal) (Hemiptera: Delphacidae) on the rice double haploid lines. *Pest Management and Economic Zoology* **9**(2): 165-176.
- Soundararajan, R.P.** and Baskaran, P. (2001). Mechanisms of resistance in brinjal *Solanum melongena* L. to whitefly *Bemisia tabaci* (Gennadius). *The Madras Agricultural Journal* **88**(10-12):657-659.
- Chitra, N., Gunathilagaraj, K. and **Soundararajan, R.P.** (2001). Orthoptera in a rice ecosystem of South India. *Bionotes* **3**(4):88.
- Chitra, N. and **Soundararajan, R.P.** and Gunathilagaraj, K. (2000). Orthoptera in rice fields of Coimbatore. *Zoo's Print Journal* **15** (8): 309-311.
- Regupathy, A., Manoharan, T., Asokan, G., **Soundararajan, R.P.** and Armes, N.J. (1997). Synergistic suppression of fenvalerate resistance in field populations of *Helicoverpa armigera* in Tamil Nadu. *Resistant Pest Management* **9** (1): 37-39.

Book Chapters (with ISBN)

- Gokulapriya, G., Chandrasekaran, M. and **Soundararajan, R.P.** (2022). Bioaugmentation of pesticide-contaminated environment. In: Bioaugmentation Techniques and Application in Remediation, CRC Press, Taylor & Francis, New York pp. 29-42 [ISBN: 978-1-032-03499], (DOI: 10.1201/9781003187622).
- Soundararajan, R.P.**, Chandrasekaran, M. and Chitra,N. (2021). Strategies for organic insect pest management in Pulses. In: Current Trends in Plant Health Management, Biotica Publishers, Tripura, pp.1-17 [ISBN: 978-81-947739-5-5].
- Chandrasekaran, M. and **Soundararajan, R.P.** (2021). Integrated insect pest management strategies in forest plantations, In: Current Trends in Plant Health Management, Biotica Publishers, Tripura, pp.77-101[ISBN: 978-81-947739-5-5].
- Kalpana, M., Chandrasekaran, M. and **Soundararajan, R.P.** (2021). Information and communication technology (ICT) in insect pest management systems, In: Current Trends in Plant Health Management, Biotica Publishers, Tripura, pp.102-111 [ISBN: 978-81-947739-5-5].
- Soundararajan, R.P.** and Chandrasekaran, M (2020). Recent Trends in Host Plant Resistant to Yellow Stem Borer, *Scirpophaga incertulas* W. in Rice, *Oryza sativa* L. In: Agriculture Development and Economic Transformation in Global Scenario, Mahima Publications, Varanasi India, pp. 266-273 [ISBN: 978-943375-3-9].
- Soundararajan, R.P.**, Chandrasekaran, M. and Chitra, N. (2020). Botanical Plant Products against Insect Pests of Rice, In: Cutting Edge Research in Agricultural Sciences, Vol. I, Book Publisher International, pp. 52-64 [ISBN: 978-93-90149-71-1].
- Gokulraj, N., Ravichandran, V., Boominathan, P. and **Soundararajan, R.P.** (2020). Studies on the response of silicon on chlorophyll fluorescence, membrane stability, plant water status and yield of rice genotypes under drought. In: Cutting-edge Research in Agricultural Sciences, Vol. III, Book Publisher International, Volume III, India, pp. 120-130 [ISBN 978-93-90431-39-7].
- Pirithiraj, U., **Soundararajan, R.P.**, Gailce Leo Justin, C. and Lakshmanan, V. (2019). Seasonal variation on the incidence of eriophyid mite damage in Jasmine (In Tamil), Agriculture Tamil Science Society, New Delhi, pp.229-231 [ISBN 978-81-946048-8-4].
- Sowmiya, L., Chandrasekaran, M., **Soundararajan, R.P.** and Ramesh, D (2019). Impact of weather parameters on the occurrence, distribution of fruit flies in snake gourd plantings (In Tamil), Agriculture Tamil Science Society, New Delhi, pp. 251-256, [ISBN 978-81-946048-8-4].
- Soundararajan, R.P.**, Suresh, S. and Kuttalam, S. (2017). Insect Pest Management in Rice. In: Advances in Rice Cultivation: A Complete Guide on Rice, Ponnusamy, K.A. and Karthikeyan, C. (Eds). Daya Publishing House, New Delhi, pp.129-136 {ISBN: 978-93-5124-758-6}.
- Soundararajan, R.P.**, Jeyaprakash, P and Ramaraj, K. (2016). Assessment of insect pests in two different rice cultivation methods (in Tamil). In: Plant Protection sciences. Agricultural Tamil Society, New Delhi, pp. 204-208. {ISBN: 978-93-842-34-52-2}

- Soundararajan, R.P.,** Robin, S. and Ramaraj, K. (2016). Screening for multiple insect pest resistance (in Tamil). In: Plant Protection sciences. Agricultural Tamil Society, New Delhi, pp. 209-214. {ISBN: 978-93-842-34-52-2}
- Soundararajan, R.P.** and Ganesan, K. (2014). Non Insect Pest Management. In: Functional Insect Pest Management. (Eds). J.S.Kennedy, K.Ganesan, K.Senguttuvan, D.Rajabaskar and S.Kuttalam. A.E. Publications, Coimbatore, pp. 231-248. {ISBN: 978-93-81972-80-9}
- Ganesan, K., **Soundararajan, R.P.** and Sangagavalli,S. (2014). Indigenous Technical Knowledge (ITK) in Pest Management. In: Functional Insect Pest Management. (Eds). J.S.Kennedy, K.Ganesan, K.Senguttuvan, D.Rajabaskar and S.Kuttalam. A.E. Publications, Coimbatore, pp. 191-198. {ISBN: 978-93-81972-80-9}
- Soundararajan, R.P.,** Chitra, N., Geetha,S. and Mohan, S. (2012). Storage techniques in Pulses. In: *Pulses Production Strategies*. Eds. P.M.Boopathi and M.Paramathma. Sri Shakthi Promotional Litho Process, Coimbatore. pp. 503-522. {ISBN: 81-9233061-3}
- Soundararajan, R.P.** and Chitra, N. (2010). Effect of global warming in agriculture and insect pest. In: *Manmade Disasters* (Eds). K.K. Singh, Lotfi Aleya, Vinod Singh and Mahadevi Singh, APH Publishing Corporation, New Delhi, pp.205-235 {ISBN:978-81-313-0919-3}
- Soundararajan, R.P.** and Lakshmanan, V. (2009). Neem in pest management of horticultural crops. In: *Neem – A treatise* (Eds. Singh, K.K., Suman Phogat, Alka Tomar and Dhillon, R.S.) I.K. International Publishing House Pvt. Ltd., New Delhi, pp.396-413. {ISBN: 978-81-89866-00-1}.
- Soundararajan, R.P.** and Lakshmanan, V. (2008). Eco friendly Management of Insect Pests and nematodes in Hill Horticultural crops. In: *Insect Pest and Disease Management* (Ed. D.Prasad), Daya Publishing House, pp.409-430. {ISBN:10 81-7035-552-4}
- Soundararajan, R.P.,** Lakshmanan, V. and Praneetha, S. (2007). Damage of *Helicoverpa armigera* (Hubn.) (Noctuidae: Lepidoptera) on *Gerbera jamesonii* Bolus ex. Hook f. (Compositae).In: *Biotechnology and Insect Pest Management* (Eds. Ignacimuthu, S. and Jayaraj, S.), Elite Publishing House Pvt. Ptd., New Delhi, pp.235-239. {ISBN: 81-88901-26-1}
- Soundararajan, R.P.,** and Baskaran, P. (2005). Effect of antibiosis components of Eggplant on the Developmental Biology of Whitefly parasitoids, *Encarsia transvena* T. and *Eretmocerus mundus* M. (Aphelinidae: Hymenoptera). In: *Sustainable Insect Pest Management* (Eds. Ignacimuthu, S. and Jayaraj, S.) Narosa Publishing House, New Delhi, pp.233-238 {ISBN: 81-7319-608-7}.
- Soundararajan, R.P.,** Gunathilagaraj, K. and Chitra, N. (2004). Agroecosystem, biodiversity and insect pest management. In: *Sustainable Resource management* (Eds. Kapoor, B.B.S. and Ahmed Ali), Madhu Publications, Bikanar, India, pp. 219-236 {ISBN: 81-86644-08-30}.
- Soundararajan,R.P.** and Baskaran, P.(2002). Interaction between egg plant varieties and parasitoids of whitefly *Bemisia tabaci* (Gennadius) (Aleyrodidae:Homoptera). In: *Strategies in Integrated Pest Management*. (Eds.S.Ignacimuthu and Alok sen) Phoenix Publishing House Pvt. Ltd., New Delhi, pp.127-133. {ISBN: 81-7484-056-7}

Conference/Seminar/Symposium papers:

- Soundararajan, R. P.** (2022). Recent advances in host plant resistance to stem borer in rice, *Oryza sativa* L. Abstract in: International Conference on Recent Advances in Agricultural, Biological and Applied Sciences Research, Nagaon, Assam, 8-9th August 2022, pp. 19
- Soundararajan R.P.**, Chandrasekaran M., Senguttuvan K. and Sakthivel K. (2022). Evaluation of integrated pest management packages against sucking pests under high density planting system in cotton. Book of abstracts of the National symposium on '100 glorious years of Cotton Research and Way Forward', 18-19 October 2022, TNAU, Coimbatore, pp.47 [ISBN: 978-81-954445-1-9].
- Chandrasekaran M., Rajesh M., **Soundararajan R.P.**, Senguttuvan K., Sakthivel K., Somasundaram S., Ambethgar V. and Shanthy M. (2022). Evaluation of IPDM capsule against key insect pests of cotton in traditional growing areas of Perambalur district in Tamil Nadu. Book of abstracts of the National symposium on '100 glorious years of Cotton Research and Way Forward', 18-19 October 2022, TNAU, Coimbatore, pp.41-42 [ISBN: 978-81-954445-1-9].
- Soundararajan, R.P.** (2021). Evaluation of rice genotypes through field and artificial screening against yellow stem borer, *Scirpophaga incertulas*. *International Conference on Global Perspectives in Crop Protection for Food Security*, Book of extended abstracts, Vol. I. held on 08-10 Dec. 2021, at TNAU, Coimbatore, pp.136-137 [ISBN: 978-93-84903732].
- Soundararajan, R.P.**, Chandrasekaran, M., Jegadeeswari, V. and Paramaguru, P. (2021). Seasonal incidence of leaf mite, *Panonychus citri* M. on citrus, *Citrus aurantifolia*. Souvenir cum Lead & oral paper abstract book, 9th Indian Horticulture Congress – Horticulture for Health, livelihoods and economy held at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh, India, 18-21 November, 2021, pp.74 [ISBN: 978-93-84903732]
- Soundararajan, R.P.**, Sheeba, J.R., Chandrasekaran, M., Justin, G.L. and Rajavel, D. (2021). Evaluation of integrated pest management strategies on insect pests of rice. A book of abstract: Global rice conference, 2021: Deliberations on advances in rice research, September 24-25, 2021, TRRI, Aduthurai, Thanjavure, Tamil Nadu, India, pp.256 [ISBN: 978-93-91373-96-3].
- Soundararajan, R.P.** (2021). Artificial screening methods to identify resistance to yellow stem borer, *Scirpophaga incertulas* Walker in rice. A book of abstract: Global rice conference, 2021: Deliberations on advances in rice research, September 24-25, 2021, TRRI, Aduthurai, Thanjavure, Tamil Nadu, India, pp.255 [ISBN: 978-93-91373-96-3].
- Soundararajan, R.P.** (2020). Mechanisms of resistance to yellow stem borer, *Scirpophaga incertulus* W. (Crambidae: Lepidoptera) in rice. Souvenir cum Abstract on International Seminar on Transboundary Pest Management, TNAU, Coimbatore, March 4-5, 2020, pp. 327.
- Soundararajan, R.P.** (2019) Evaluation of Advanced Rice Entries for resistance to Yellow Stem Borer, *Scirpophaga incertulas* Walker. Proc. of National Conference on Climate Smart Agriculture for Livelihood Security: Challenges and Opportunities at ADAC&RI, Trichy, 13 & 14th September 2019, pp.189-190
- Soundararajan, R.P.** (2018). Artificial screening for yellow stem borer, *Scirpophaga incertulas* Wlk. resistance in rice. In: A book of extended summary, International Conference on

- Biocontrol and Sustainable Insect Pest Management, Agricultural College and Research Institute, TNAU Killikulam, January 29-31, 2018, Thannambikkai Publications, Coimbatore, pp. 136-138. {ISBN: 978-93-81102-46-6}.
- Chandrasekar, K., Muthukrishnan, N. **Soundararajan, R.P.** and Chozhan, K. (2018). Ecological engineering of aroma and non-aroma rice in enhancing *Coccinella transversalis* and suppressing *Nilaparvata lugens* on rice. In: A book of extended summary, International Conference on Biocontrol and Sustainable Insect Pest Management, Agricultural College and Research Institute, TNAU Killikulam, January 29-31, 2018, Thannambikkai Publications, Coimbatore, pp. 179-181 {ISBN: 978-93-81102-46-6}.
- Hari Priya, K., Jeyarani, S., Mohankumar, S. and **Soundararajan, R.P.** (2018). Studies on parasitic potential of *Goniozus nephantidis* (Muesebeck) against *Maruca vitrata* (Geyer) on different pulses. In: A book of extended summary, International Conference on Biocontrol and Sustainable Insect Pest Management, Agricultural College and Research Institute, TNAU Killikulam, January 29-31, 2018, Thannambikkai Publications, Coimbatore, pp. 248-249 {ISBN: 978-93-81102-46-6}.
- Reuolin, S.J., **Soundararajan, R.P.** and Preetha, G. (2018). Studies on parasitization and alternative host plants of rice yellow stem borer, *Scirpophaga incertulas* (Walker) (Lepidoptera: Crambidae). In: A book of extended summary, International Conference on Biocontrol and Sustainable Insect Pest Management, Agricultural College and Research Institute, TNAU Killikulam, January 29-31, 2018, Thannambikkai Publications, Coimbatore, pp. 268-270 {ISBN: 978-93-81102-46-6}.
- Hariharan, D., **Soundararajan, R.P.**, Linu, C., Prashanthkumar, J.S. and Sowmiya, S (2018). Monitoring of rice insect pests and their natural enemies in rice ecosystem. In: A book of extended summary, International Conference on Biocontrol and Sustainable Insect Pest Management, Agricultural College and Research Institute, TNAU Killikulam, January 29-31, 2018, Thannambikkai Publications, Coimbatore, pp. 525-527. {ISBN: 978-93-81102-46-6}.
- Reuolin, S.J., **Soundararajan, R.P.** and Kannan, M (2017). Characterization of ultrastructure and elemental composition of silica bodies in yellow stem borer resistance and susceptible varieties of rice. In: Proceedings of National Seminar on Nanotechnology for Evergreen Revolution, Tamil Nadu Agricultural University, Coimbatore, October 5 & 6, 2017, pp. 204. {ISBN: 978-93-83799-63-3}.
- Reuolin, S.J. and **Soundararajan, R.P.** (2017). Seasonal incidence of stem borer species complex in rice. In: Extended abstracts of 5th Annual Agricultural Graduate Students Conference-2017, Tamil Nadu Agricultural University, Coimbatore, pp. 337-338. {ISBN: 978-93-83799-63-3}.
- Reuolin, S.J. and **Soundararajan, R.P.** (2017). Egg parasitisation of yellow stem borer, *Scirpophaga incertulas* (Walker) in rice. In: Book of abstracts of 5th National Conference on Biological Control: Integrating Recent Advances in Pest and Disease Management, Society for Biocontrol Advancement, ICAR-National Bureau of Agricultural Insect Resources, Bangalore, pp. 133.
- Anagha, E.V., Manoharan, T. and **Soundararajan, R.P.** (2016). Establishment of baseline toxicity and resistance level of insecticides against brown planthopper, *Nilaparvata lugens* (Stal) in rice. Abstract. In: 3rd International IUPAC conference on Agrochemicals

Protecting Crops, health and Natural environment: New chemistries for phytomedicines and Crop protection chemicals, 6-9 April, New Delhi, pp225.

- Soundararajan, R.P.**, Robin, S., Mohankumar, S, and Ramaraju, K. (2015). Screening of rice varieties for leafhopper resistance. In: Compendium of abstracts of International Symposium- IRS 2015, IIRR, Hyderabad, November 18-20, 2015, pp. 143.
- Soundararajan, R.P.**, Suresh, S., Kuttalam, S. and Gururaj Katti (2015). Evaluation of the effect of wetting agent, Ek boond on the efficacy of insecticides against insect pests of rice. In: Compendium of abstracts of International Symposium- IRS 2015, IIRR, Hyderabad, November 18-20, 2015, pp. 143.
- Gnanapriya, V., Anitha, R., Mohankumar, S, Bhuvaneswari, K. and **Soundararajan, R.P.** (2015). Molecular characterization of chemosensory protein and chitin synthase gene present in rice brown planthopper, *Nilaparvata lugens* (Stal), *International Conference on Innovative Insect Management Approaches for Sustainable Agro Ecosystem*, Agricultural College and Research Institute, TNAU, Madurai, January 27-30th, 2015, pp.320-321
- Soundararajan, R.P.**, Chitra,N. and Dinakaran, D. (2014). Best-bet method for the management of insect pests of blackgram, *Vigna mungo* (L.) Hepper. Extended Summary in *National Symposium on Emerging Trends in Eco-friendly Insect Pest Management* held at TNAU, Coimbatore on January 22-24th 2014, A.E. Publications, Coimbatore, pp. 400-401
- Chitra, N., **Soundararajan, R.P.** and Geetha,S. (2014). Mechanism of resistance in wild relatives of pigeonpea against *Maruca vitrata* Geyer (Lepidoptera:Crambidae). Extended Summary in *National Symposium on Emerging Trends in Eco-friendly Insect Pest Management* held at TNAU, Coimbatore on January 22-24th 2014, A.E. Publications, Coimbatore, pp. 264-265.
- Chitra, N., **Soundararajan, R.P.** and Gunathilagaraj,K. (2012). The consternation of the invertebrate biodiversity associated with irrigated rice ecosystem to mitigate rice insect pest damage. *International Symposium on 100 years of Rice Science and Looking Beyond*, TNAU, Coimbatore, January 9-12th, 2012, pp.659-660.
- Salin, K.P., Srikanth, J., **Soundararajan, R.P.**, Nirmala, R. and Goud, Y.S. (2012). Analytical and behavioral characterization of kairomonal principles in sugarcane shoot borer (*Chilo infuscatellus*) frass as attractants to the braconid parasitoid *Cotesia flavipes* Cameron. *Proceedings of International Symposium on New Paradigms in Sugarcane Research*, Sugarcane Breeding Institute, Coimbatore, October 15-18th, 2012, pp. 208
- Soundararajan, R.P.**, Chitra, N. and Ramasamy, M. (2010). Host Plant Resistance to insect pests of Urdbean and Mungbean. *National Workshop on Paradigm shifts in Research on Crop Resistance to Pests*, Annamalai University, March 4-5th, pp. 57-58.
- Soundararajan, R.P.**, Chitra, N. and Ramamoorthi, N. (2009). Evaluation of Non-chemical methods for the management of Insect Pests in Urdbean. *National Symposium on Non-Chemical Insect Pest Management* at Loyola College, Chennai, February 5-6th, 2009, pp. 30.
- Soundararajan, R.P.**, Lakshmanan, V. and Asokan, G. (2008). Seasonal incidence of insect pests on Black pepper, *Piper nigrum* in Shevaroy hills of Tamil Nadu. *National Seminar on Current Scenario in production, processing and export of spices* at Horticultural Research Station, TNAU, Yercaud, February 21-22nd, pp.55-56.

- Asokan, G., **Soundararajan, R.P.** and Allwin, L. (2008). Varietal screening of black pepper against marginal gall thrips. *National Seminar on Current Scenario in production, processing and export of spices* at Horticultural Research Station, TNAU, Yercaud, February 21-22nd, 2008, pp.56.
- Asokan, G., **Soundararajan, R.P.** and Allwin, L. (2008). Management of Ash weevil, *Myloccerus peatus* in seedlings of black pepper variety Panniyur-1. *National Seminar on Current Scenario in production, processing and export of spices* at Horticultural Research Station, TNAU, Yercaud, February 21-22nd, 2008, pp.57.
- Asokan, G., **Soundararajan, R.P.** and Allwin, L. (2008). Incidence of mealybugs on different varieties of black pepper in nursery. *National Seminar on Current Scenario in production, processing and export of spices* at Horticultural Research Station, TNAU, Yercaud, February 21-22nd, 2008, pp.58.
- Maheswaran, M., Geethanjali, S., Kadirvel, P., **Soundararajan, R.P.** and Gunathilagaraj, K. (2005). Analysis of pooled DNA from phenotypic extremes speeds-up the identification of new SSR markers to planthoppers resistance in rice (*Oryza sativa*). *5th International Rice Genetic Symposium*, Manila, The Philippines, 19-23rd November 2005, pp.104-105.