



Dr. PARTHIBAN P, M.Sc.(Agri.), Ph.D. (Entomology)

Scientist

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Research Area

- ✓ Toxicology
- ✓ Biological Control

Academic Qualification

Ph. D. (Entomology)	Agricultural College and Research Institute, Madurai - 625 104 Tamil Nadu Agricultural University	2016
M. Sc. (Entomology)	Agricultural College and Research Institute, Madurai - 625 104 Tamil Nadu Agricultural University	2013
B. Sc. (Agriculture)	Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Karaikal - 609 603 Tamil Nadu Agricultural University	2011

Experience

Scientist	Department of Food Protectants and Infestation Control (FPIC), CSIR – Central Food Technological Research Institute (CFTRI), Mysuru, Karnataka, India	2023 – till date
Deputy Manager	J Farm Research Centre, Tractors and Farm Equipment Limited (TAFE), Chennai.	2021 - 2023
Senior Technical Officer	Regional Plant Quarantine Station, Govt. of India Chennai, Tamil Nadu.	2019 - 2021
Research Associate	Plant Quarantine Station, Govt. of India Trivandrum, Kerala.	2018 - 2019
Assistant Professor	Adhiparasakthi Agricultural College, Vellore, Tamil Nadu.	2016 - 2018

Students Guided

1.	Ms. B. Abinaya Ragavi Ms. G. Vyshali Ms. S. Keerthana Ms. R. Sowmya Ms. S. Suriya Ms. T. Janani	B. Sc. (Ag.)	Bio-efficacy evaluation of newer insecticides against Lepidopteran pests of groundnut (<i>Arachis hypogea</i> L.)	Chairman	2016 - 2017
2.	Ms. K. Bharathi Ms. H. Hibah Shahin Fathima Ms. A. Ishwarya Ms. V. Kalaivani Ms. E. Savithiri	B. Sc. (Hort.)	Bio-efficacy evaluation of newer insecticides against Lepidopteran pests of okra (<i>Abelmoschus esculentus</i> L.)	Chairman	2016 - 2017

Computer Skills

Course completed	:	Diploma in Computer Application (DCA; Year - 2007)
Operating Systems	:	Windows (All versions), LINUX
Software Packages	:	MS office, Star office, Open office, Agdata, Agres, Probit analysis, SAS and SPSS

Medals, Awards and Fellowships obtained

2020	-	Young Scientist Award, Dr. B. V. David Foundation
2020	-	Life Fellow, The Entomological Society of India
2018	-	Excellence in Research, Osmania University, Hyderabad
2017	-	Scientist of the Year, IIRR - Hyderabad
2017	-	A. S. R. B. – N. E. T., ICAR, New Delhi
2014	-	A. S. R. B. – N. E. T., ICAR, New Delhi
2012 - 2013	-	Junior Research Fellow, M./s. Syngenta India Private Ltd., Mumbai
2010 - 2011	-	President in ROTRACT CLUB, PAJANCOA & RI, Karaikal
2007	-	Secure first mark in Zoology at school level (XII Std.), Government of Tamil Nadu, India
2005	-	Distinction in Tamil (X Std.), Government of Tamil Nadu, India

Details of Training Course / Symposium / Seminars / Conference / Workshop/ Expo attended/ presented

*1.	Business and Career Prospects in Food Processing	Workshop cum Training	IICPT and PAJANCOA&RI, Karaikal	25.08.10	---
*2.	Agro Based Industrial Training	Training	PONLAIT, Puducherry	30.08.10	08.09.10
*3.	Soft Skill Enrichment Cell (SSEC)	Training	PAJANCOA & RI, Karaikal	2010	2011
*4.	Recent advances in Bio-inoculants technology	Symposium	AC & RI, Madurai	01.03.12	02.03.12
**5.	Emerging trends in ecofriendly Insect Pest management	Symposium	TNAU, Coimbatore	22.01.14	24.01.14
**6.	Emerging Technology in Processing and value addition millets for better utilization	National Workshop	HC & RI, Madurai	13.03.14	14.03.14
**7.	Sustainable agriculture to FUEL (Feed, Unite, Educate & Lead) the future	National Conference	TNAU, Coimbatore	06.05.14	07.05.14
*8.	National Seminar on Algae for sustainable agricultural production	Seminar	AC & RI, Madurai	29.09.14	30.09.14
*9.	Extension Training Programme on Organic Farming	Training	AC & RI, Madurai	26.11.14	27.11.14
**10.	International conference on innovative insect management approaches for sustainable agro eco-system (IIMASAE)	International Conference	AC & RI, Madurai	27.01.15	30.01.15
**11.	National expo on Assemblage of Innovative ideas / work of post graduate agricultural research scholars	National Expo	AC & RI, Madurai	27.03.15	--
**12.	Impact of climate risks on Agricultural and Horticultural productivity	National Conference	TNAU, Coimbatore	13.05.15	14.05.15
*13.	National Institute of Agricultural Extension Management (MANAGE)	Training	AC & ABC, VAPS Madurai	05.01.16	04.03.16
**14.	Recent Trends in Pest and Disease Management Strategies to Align with Environmental Protection	Seminar	APAC, Vellore	12.07.16	--
*15.	New horizons, emerging challenges and recent paradigms in food mediated immunity and their role in human health and longevity.	International Conference	The American College, Madurai	31.08.16	01.09.16
*16.	Webinar on Climate Smart Agriculture	National Conference	E Science Society (eSS)	14.09.16	-
**17.	National seminar on “Innovative Technologies in Insect Science”.	National Seminar	Guru Nanak College, Chennai	14.10.16	-

*18.	Workshop on Elemental analysis made simple for agricultural scientists: “X-ray fluorescence spectrometer (XRF)”.	Workshop	AC & RI, Madurai	27.10.16	-
*19.	Entrepreneurship Awareness Camp on Fruit and Vegetable Processing Technologies to Enhance Entrepreneurship Skills	Entrepreneurship Awareness Camp	APAC, Vellore	08.11.16	10.11.16
*20.	NSS orientation training programme	Training	Avinashilingam University, Coimbatore	01.02.17	07.02.17
*21.	Workshop on GC-MS Analytical platforms for metabolomics: A way to understand complex biological pathways	Workshop	AC & RI, Madurai	14.02.17	-
*22.	Entrepreneurship Awareness Camp on value addition of millets	Entrepreneurship Awareness Camp	APAC, Vellore	06.09.17	08.09.17
**23.	Technological Challenges in Social, Environmental and Agricultural Reforms	National Conference	IIRR, Hyderabad	09.09.17	10.09.17
**24.	International Conference on Biocontrol and Sustainable Insect Pest Management (ICBS)	International Conference	AC & RI, Killikulam	29.01.18	31.01.18
**25.	International Conference on Advances in Agriculture and Allied Science Technologies for Sustainable Development	International Conference	Osmania University, Hyderabad	10.02.18	11.02.18
*26.	TV Ramakrishna Ayyar Memorial Lecture and Workshop on Entomology and Entrepreneurship	Workshop	AC & RI, Madurai and ESI, New Delhi	13.02.18	-
*27.	The Science of Yogic Breathing	International Web Conference	Presidency College, Chennai	24.07.20	-
*28.	National Webinar on Plant Biological Interventions for Climate Smart Agriculture	National Webinar	Bihar Agricultural University, Bihar	30.07.20	-
*29.	ICAR-NRCB Webinar on Integrated Insect Pests and Nematodes Management in Banana	National Webinar	ICAR – National Research Centre for Banana, Trichy	04.08.20	-
@30.	Invasive Agricultural Pests of India	Popular Science Webinar	District Science Centre, Tirunelveli	09.08.20	-
*31.	ICAR-NRCB Webinar on Approaches and Strategies for Augmenting Export of Bananas from India	International Webinar	ICAR – National Research Centre for Banana, Trichy	21.08.20	-
*32.	Integrated Pest Management on Fall Army Worm in Maize Crop	National Webinar	Irrigation Management Training Institute, Trichy	25.08.20	-
*33.	Recent Scientific Advances in Agricultural and Environmental Sciences	National Conference	Dr. B. V. David Foundation, Chennai	05.12.20	-

*Attended (National: 18; International: 03)

** Attended & Presented (National: 08; International: 03)

@Resource Person (National: 01)

Thesis Work

Ph. D.	:	Kairomones and Silicon mediated IPM module for the management of major pests of groundnut (<i>Arachis hypogaea</i> L.)	2016
M. Sc.	:	Evaluation of bio-efficacy of Emamectin benzoate 5 WG against Lepidopteran pests of Okra and Cabbage	2013
B. Sc.	:	Production and marketing efficiency of vegetable growers of Karaikal District	2011

Additional Responsibilities

✓ Lab in-charge	29.08.2016	23.01.2018
✓ Residential Tutor	29.08.2016	23.01.2018
✓ NSS Assistant Programme Officer	30.08.2016	31.12.2016
✓ Farm Manager	20.09.2016	23.01.2018
✓ Ward Counselor	23.09.2016	23.01.2018
✓ NSS Programme Officer	01.01.2017	23.01.2018

List of Courses Handled

APW 401	Project Work (0+4)	IV B.Sc. (Agri.)	14.08.2017	22.01.2018
AEN 301	Pests of Field Crops and their Management (1+1)	III B.Sc. (Agri.)	11.09.2017	11.01.2018
AEN 301	Pests of Field Crops and their Management (2+1)	III B.Sc. (Agri.)	08.02.2017	24.07.2017
AEN 311	Pest Management in Horticulture Production Systems (2+1)	III B.Sc. (Hort.)	09.02.2017	19.07.2017
HOR 403	Project Work (0+4)	IV B.Sc. (Hort.)	29.08.2016	25.05.2017
APW 401	Project Work (0+4)	IV B.Sc. (Agri.)	29.08.2016	25.05.2017
AEN 201	Fundamentals of Entomology (2+1)	II B.Sc. (Hort.)	29.08.2016	06.01.2017

Contribution to the Science

Research Articles

- ✓ **Parthiban, P.,** C. Chinniah, R. K. Murali Baskaran, M. Kalyanasundaram, K. Suresh and S. Karthick. Biochemical alternation and silicon accumulation in groundnut (*Arachis hypogaea* L.) in response to root and foliar application of two sources of silicon. **2019.** *Phosphorus sulfur and silicon and the related elements, Taylor & Francis.* Published in online. (ISSN: 1042-6507). 194(9): 917-921. DOI: 10.1080/10426507.2019.1576679.
- ✓ **Parthiban, P.,** C. Chinniah, R. K. Murali Baskaran, K. Suresh and A. Ravikumar. **2018.** Impact of Intercropping System to Minimise the Sucking Pests Incidence in Groundnut (*Arachis hypogaea* Linnaeus). *Legume Research*, 41 (5): 788-191. (ISSN: 0250-5371).
- ✓ **Parthiban, P.,** C. Chinniah, R. K. Murali Baskaran, K. Suresh and S. Karthick. **2018.** Influence of Calcium Silicate Application on the Population of Sucking Pests of Groundnut (*Arachis hypogaea* L.). *Silicon*, **11**, 1687–1692. **Springer.** Published in online. (ISSN: 1876-990X). DOI: 10.1007/s12633-018-9988-8.
- ✓ **Parthiban, P.,** C. Chinniah, R.K. Murali Baskaran, N. Muthukrishnan, D. S. Rajavel and K. S. Karthick. **2018.** Influence of calcium silicate application on the population of *Aproaerema modicella* Deventer (Lepidoptera: Gelechiidae) on groundnut. *Entomon* 43(4): 231-236. (ISSN: 0377-9335). <https://doi.org/10.33307/entomon.v43i4.403>.
- ✓ **Parthiban, P.,** C. Chinniah, R. K. Murali Baskaran, K. Suresh and A. Ravikumar. **2018.** Positive influence of intercrops on natural enemies in groundnut eco-system. *International Journal of Research Studies in Zoology* 4 (2): 1-6. (ISSN: 2454-941X).
- ✓ **Parthiban, P.,** C. Chinniah, R. K. M. Baskaran, D. S. Rajavel, K. Suresh and K. S. Karthick. **2018.**

Phenylalanine Ammonia Lyase Activities in Groundnut (*Arachis hypogaea* L.) in Response to Root and Foliar Application of Two Sources of Silicon. *International Journal of Research Studies in Zoology* 4 (3): 12-16. (ISSN: 2454-941X).

- ✓ **Parthiban, P.**, C. Chinniah, M. Kalyanasundaram and R. K. Murali Baskaran. **2017**. Kairomonal effect of Acetone extracts of Groundnut on foraging activities of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson). *Legume Research*, 40 (2): 393-396. (ISSN: 0250-5371).
- ✓ Murali Baskaran, R. K. and **P. Parthiban**. **2017**. Non-host plant derived kairomone to enhance activity of natural enemies of lepidopteran pests of *Abelmoschus esculentus* (L.) Moench. *Journal of Entomology and Zoology Studies*, 5(2): 414-421. (ISSN: 2349-6800).
- ✓ Suresh, K., R. K. Murali Baskaran, B. Usha Rani and **P. Parthiban**. **2017**. Efficacy of Abamectin 1.9 EC against Two Spotted Mite, *Tetranychus urticae* Koch (Acari: Tetranychidae) on Brinjal. *Pesticide Research Journal*, 29 (1): 18-22. (ISSN: 0970-6763).
- ✓ **Parthiban, P.**, C. Chinniah, R.K.M. Baskaran, D.S. Rajavel, M. Kalyanasundaram and K. Suresh. **2017**. Influence of Silica nutrition on the population of natural enemies of groundnut (*Arachis hypogaea* L.). *Journal of Entomology and Zoology Studies*, 5(6): 2652-2655. (ISSN: 2349-6800).
- ✓ Suresh, K., R. K. Murali Baskaran, B. Usha Rani and **P. Parthiban**. **2017**. Optimization of Field Dose of Abamectin 1.9 EC for the Management of *Polyphagotarsonemus latus* Banks and *Scirtothrips dorsalis* Hood Infesting *Capsicum annum*. *Pesticide Research Journal*, 29 (2): 158-162. (ISSN: 0970-6763).
- ✓ Premalatha, K., C. Chinniah, A. Ravikumar, **P. Parthiban** and M. Kalyanasundaram. **2017**. Evaluation of essential plant oils against two spotted spider mite, *Tetranychus urticae* Koch in Tomato. *Annals of plant protection sciences*, 25 (1): 6-11. (ISSN: 0971-3573).
- ✓ Chinniah, C., A. Ravikumar, M. Kalyanasundaram and **P. Parthiban**. **2017**. Field evaluation of eco-friendly IPM strategies against sucking pests in Chilli ecosystem. *Annals of plant protection sciences*, 25 (1): 36-41. (ISSN: 0971-3573).
- ✓ **Parthiban, P.**, C. Chinniah, M. Kalyanasundaram and R. K. Murali Baskaran. **2017**. Enhancing *in vivo* foraging activities of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson) on eggs of *Spodoptera litura* (Fab.) through kairomonic activity of saturated hydrocarbons. *Indian Journal of Entomology*, 79(4): 516-520. (ISSN: 0367-8288).
- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran, M. Kalyanasundaram, K. Balakrishnan and M. Muthamilan. **2016**. Impact of intercropping system to minimize the pest incidence in groundnut. *International Journal of Agriculture Sciences*, 8(1): 944-946. (ISSN: 0975-3710).
- ✓ Ravikumar, A., C. Chinniah, S. Manisegaran, S. Irulandi and **P. Parthiban**. **2016**. Effect of bio-rationals against the thrips, *Scirtothrips dorsalis* Hood and fruit borer, *Helicoverpa armigera* Hubner infesting chilli. *International Journal of Agriculture Sciences*, 8(12): 1150-1153. (ISSN: 0975-3710).
- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran and M. Kalyanasundaram. **2016**. Kairomonal Effect of Some Saturated Hydrocarbons and Their Influence on the Parasitic and Predatory Potential of *Trichogramma chilonis* and *Chrysoperla zastrowi sillemi*. *Biopesticides International*, 12(1): 61-68. (ISSN: 0973-483X).
- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran and A. Ravikumar. **2016**. Extracts of *Helicoverpa armigera* Increase Foraging Activities of *Trichogramma chilonis* and *Chrysoperla zastrowi sillemi* on Eggs of *Spodoptera litura*. *Biopesticides International*, 12(1): 69-75. (ISSN: 0973-483X).
- ✓ Thangavel, K., R. K. Murali Baskaran and **P. Parthiban**. **2016**. Evaluation of toxicity of emamectin benzoate 5 wg to honey bees. *International Journal of Plant Sciences*, 11 (2): 000-000. (ISSN: 0973-1547).
- ✓ **Parthiban, P.**, C. Chinniah, R.K. Murali Baskaran and K. Suresh. **2016**. Enhancing *in vivo* foraging activities of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson) on eggs of *Corcyra cephalonica* Stainton through kairomonic activity of *Helicoverpa armigera* (Hubner). *ENTOMON* 41(4): 299-304. (ISSN: 0377-9335).
- ✓ **Parthiban, P.**, C. Chinniah and A. Ravikumar. **2016**. Kairomonal Effect of Acetone Extracts of *Pennisetum glaucum* (L.) and Their Influence on the Parasitic/ Predatory Potential of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson) against Eggs of *Spodoptera litura* (Fab.). *Madras Agricultural Journal*, 103 (7-9): 258-261. (ISSN: 0024-9602).
- ✓ Poovizhiraja, B., C. Chinniah, A. Ravikumar and **P. Parthiban**. **2016**. Influence of Host Plants on the Biological Parameters of Two spotted spider Mite, *Tetranychus urticae* Koch.. *Madras Agricultural Journal*, 103 (7-9): 250-253. (ISSN: 0024-9602).
- ✓ **Parthiban, P.**, C. Chinniah, M. Kalyanasundaram, and R. K. Murali Baskaran. **2016**. Kairomonal effect of acetone extracts of *Pennisetum glaucum* (L.) and predatory potential of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson). *Annals of Plant Protection Sciences*, 24(1): 13-17. (ISSN: 0971-3573).
- ✓ **Parthiban, P.**, C. Chinniah, M. Kalyanasundaram, R. K. Murali Baskaran, C. Swaminathan and P. Kannan. **2016**. Influence of intercropping system to minimize the defoliators incidence in groundnut (*Arachis hypogaea* Linnaeus). *Annals of Plant Protection Sciences*, 24(1): 78-82. (ISSN: 0971-3573).
- ✓ Chinniah, C., A. Ravikumar, M. Kalyanasundaram and **P. Parthiban**. **2016**. Management of sucking pests, by integration of organic sources of amendments and foliar application of entomopathogenic fungi on chilli. *Journal of Biopesticides*, 9(1): 34-40. (ISSN: 0974-391X).

- ✓ Murali Baskaran, R. K., K. Suresh, B. Usha Rani and **P. Parthiban**. 2016. Organic pest management of major insect pests of Ashwagandha, *Withania somnifera* Dunal. *Journal of Agricultural Science and Practice*, 1: 40-43.
- ✓ Chinniah, C., A. Ravikumar, M. Kalyanasundaram and **P. Parthiban**. 2016. Efficacy of newer acaricides and insecticide molecules against sucking pests of chilli. *Annals of plant protection sciences*, 24 (2): 202-207. (ISSN: 0971-3573).
- ✓ Ravikumar, A., S. Manisegaran, C. Chinniah, S. Irulandi and **P. Parthiban**. 2016. Evaluation of eco-friendly pest management modules against major pest of chilli (*Capsicum annum* L.). *Annals of plant protection sciences*, 24 (2): 223-227. (ISSN: 0971-3573).
- ✓ Chinniah, C., A. Ravikumar, M. Kalyanasundaram and **P. Parthiban**. 2016. Effect of intercrops on the incidence of sucking pest complex of chilli. *Annals of plant protection sciences*, 24 (2): 228-231. (ISSN: 0971-3573).
- ✓ Premalatha, K., C. Chinniah, A. Ravikumar and **P. Parthiban**. 2016. Seasonal incidence and influence of weather factors on the population dynamics of two spotted spider mite, *Tetranychus urticae* Koch in Tomato eco-system. *Annals of plant protection sciences*, 24 (2): 232-235. (ISSN: 0971-3573).
- ✓ Chinniah, C., A. Ravikumar, M. Kalyanasundaram and **P. Parthiban**. 2016. Field evaluation of *Metarhizium anisopliae* liquid formulation (BioMagic®) against brown plant hopper, *Nilaparvata lugens* Stal on rice. *Journal of Biopesticides*, 9(2): 211- 219. (ISSN: 0974-391X).
- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran and A. Ravikumar. 2016. Positive Influence of Intercrops on Predatory Spider and Egg Parasitoid in Groundnut Ecosystem. *Research Journal of Agricultural Sciences*, 7 (4/5): 818-822. (ISSN: 0976-1675).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, D. S. Rajavel and C. Chinniah. 2015. Field evaluation of Emamectin Benzoate 5 WG against Spider predators in Okra eco-system. *Life Sciences Leaflets*. 70. 30-36. (ISSN: 2277-4297).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, D. S. Rajavel and C. Chinniah. 2015. Field Evaluation of Emamectin Benzoate 5 WG Against Coccinellid Predators in Cabbage Eco-System. *Trends in Biosciences*, 8(16): 4155-4159. (ISSN: 0974-8431).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, D. S. Rajavel, C. Chinniah and A. Ravikumar. 2015. Safety evaluation of Emamectin benzoate 5 WG against predatory coccinellid in Okra eco-System. *Journal of Innovative Agriculture*, 2(4): 10-14. (ISSN: 2394-5389).
- ✓ **Parthiban, P.**, C. Chinniah, K. Balakrishnan and M. Muthamilan. 2015. Kairomonal effect of *Corcyra cephalonica* Stainton on *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson). *Current Biotica*, 9(2): 119-128. (ISSN: 0973-4031).
- ✓ **Parthiban, P.**, C. Chinniah and M. Kalyanasundaram. 2015. Kairomonal effect of *Corcyra cephalonica* Stainton and their influence on the parasitic and predation potential of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson) against eggs of *Spodoptera litura* (Fab.). *The Bioscan*, 10(4): 1671-1674. (ISSN: 0973-7049).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran and K. Thangavel. 2014. Base line toxicity of Emamectin benzoate 5 WG for Lepidopteran pests of Okra. *Pesticide Research Journal*, 26 (2): 155–159. (ISSN: 0970-6763).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran and K. Thangavel. 2014. Bio – efficacy of Emamectin Benzoate 5 WG against Tobacco Caterpillar and Diamondback Moth in Cabbage. *Pesticide Research Journal*, 26 (2): 175–180. (ISSN: 0970-6763).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran and K. Thangavel. 2014. Field efficacy of Emamectin benzoate 5 WG against lepidopteran pests of Okra. *Annals of Plant Protection Sciences*, 22 (1): 98–102. (ISSN: 0971-3573).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran and K. Thangavel. 2014. Acute toxicity of Emamectin benzoate 5 WG against *Spodoptera litura* (Fab.) of cabbage. *Annals of Plant Protection Sciences*, 22 (2): 260–263. (ISSN: 0971-3573).

Review Article

- ✓ Murali-Baskaran, R.K., K. Sharma, P. Kaushala, J. Kumar, **P. Parthiban**, S. Senthil-Nathan and R. W. Mankin. 2018. Role of kairomone in biological control of crop pests-A review. *Physiological and Molecular Plant Pathology*. Elsevier. 101: 3-15. (ISSN: 0885-5765). <https://doi.org/10.1016/j.pmpp.2017.07.004>.
- ✓ Karthick, K. S., C. Chinniah, **P. Parthiban**, A. Ravikumar. 2018. Prospects and challenges in Meliponiculture in India. *International Journal of Research Studies in Zoology* 4 (1): 29-38. (ISSN: 2454-941X).
- ✓ Karthick., K. S., C. Chinniah, **P. Parthiban** and A. Ravikumar. 2018. Newer report of Rugose Spiraling Whitefly, *Aleurodicus rugioperculatus* Martin (Hemiptera: Aleyrodidae) in India. *International Journal of Research Studies in Zoology* 4 (2): 12-16. (ISSN: 2454-941X).
- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran, K. Suresh and A. Ravikumar. 2016. Induced resistance in crops. *E Journal of Agriculture Science*. 1: 1-16.
- ✓ Karthick, K. S., **P. Parthiban**, C. Chinniah, K. Suresh and A. Ravikumar. 2016. Sonification behaviour of insects. *E Journal of Agriculture Science*, 1(2): 36-54.
- ✓ Rajesh, P., T. Ragavan, **P. Parthiban**, A. Sathishkumar and K. S. Karthick. 2016. Polymers in production and

protection agriculture: A review. *E Journal of Agriculture Science*, 2(1): 77-87.

- ✓ **Parthiban, P.**, A. Ravikumar and C. Chinniah. **2016**. Newer Insecticidal Molecules and Their Implication on Pest Management – Ecofriendly Insecticides for IPM. *Advances in Life Sciences*, 5(23): 10854-10859. (ISSN: 2278-3849).
- ✓ Ravikumar, A., **P. Parthiban** and C. Chinniah. **2016**. Genetic Improvement of Fungal Pathogens. *Advances in Life Sciences*, 5(23): 10860-10865. (ISSN: 2278-3849).

International Conference Papers

- ✓ **Parthiban, P.**, C. Chinniah, R.K. Murali Baskaran, K. Suresh and A. Ravikumar. **2018**. Positive influence of intercrops on Green lacewing, *C. zastrowi sillemi* in groundnut eco-system. International Conference on Biocontrol and Sustainable Insect Pest Management (ICBS). AC & RI, Killikulam. 186-188 pp (ISBN: 978-93-81102-46-6).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, C. Chinniah and K. Thangavel. **2015**. Field evaluation of Emamectin benzoate 5 WG against spider predators in okra ecosystem. International conference on innovative insect management approaches for sustainable agro eco-system (IIMASAE). AC & RI, Madurai. 470–472 pp.
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, C. Chinniah and K. Thangavel. **2015**. Field evaluation of Emamectin benzoate 5 WG against coccinelid predators in cabbage ecosystem. International conference on innovative insect management approaches for sustainable agro eco-system (IIMASAE). AC & RI, Madurai. 517–519 pp.

National Conference Papers

- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran, K. Suresh, A. Ravikumar and K. S. Karthick. **2017**. Positive impact of intercrops on natural enemies in groundnut ecosystem. Technological Challenges in Social, Environmental and Agricultural Reforms. IIRR, Rajendranagar. P 262. (ISBN: 637-21-76541-56-4).
- ✓ **Parthiban, P.**, R. K. Murali baskaran, C. Chinniah and K. Suresh. **2017**. Bioefficacy of Emamectin benzoate WG on bendi shoot and fruit borer. In: Poochiyal velanmai, Ed: S. Jayaprabhavathy, I. Merlin Kamala, P. Ananthi, A. Arunachalam, Thannambikkai Publications, Coimbatore, p. 116-118.
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, C. Chinniah and K. Thangavel. **2015**. Field evaluation of Emamectin benzoate 5 WG against larval parasitoid in cabbage ecosystem. Impact of climate risks on Agricultural and Horticultural productivity. TNAU, Coimbatore. 59–60 pp. (ISBN: 978-93-83799-21-3).
- ✓ **Parthiban, P.**, R. K. Murali Baskaran, K. Thangavel, G. Sasikumar. **2014**. Field evaluation of Emamectin benzoate 5 WG against coccinelid predators in okra ecosystem. Sustainable agriculture to FUEL (Feed, Unite, Educate & Lead) the future. TNAU, Coimbatore. 502–503 pp. (ISBN: 978-93-83799-05-3).

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- ✓ **Parthiban, P.**, C. Chinniah, R. K. Murali Baskaran, K. Suresh and A. Ravikumar. **2016**. Enhancing *in vivo* foraging activities of *Trichogramma chilonis* Ishii and *Chrysoperla zastrowi sillemi* (Esben-Peterson) on eggs of *Spodoptera litura* (Fab.) through kairomonic activity of *Arachis hypogaea*. National seminar on “Innovative technologies in insect science”. Department of advanced zoology and biotechnology, Guru Nanak college & Entomology academy of India. 14th October, Chennai. 43p
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- ✓ Karthick, K. S., M. Kandibane, **P. Parthiban** and A. Ravikumar. **2016**. Bio-efficacy of newer insecticides against the leaf folder, *Cnaphalocrosis medinalis* Guenee (Pyralidae: Lepidoptera) in rice. National seminar on “Innovative technologies in insect science”. Department of advanced zoology and biotechnology, Guru Nanak college & Entomology academy of India. 14th October, Chennai. 45p

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- ✓ **Parthiban, P.**, R. K. Murali Baskaran, K. Thangavel and G. Sasikumar. **2014**. Acute toxicity of emamectin benzoate 5 WG for *Spodoptera litura* (Fab.) of cabbage. Emerging trends in ecofriendly Insect Pest management (ETEIPM). TNAU, Coimbatore. 373–375 pp. (ISBN: 93-81972-33-8)

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- ✓ **Parthiban, P.**, K. Thangavel, P. Adiyaman and R. Surendar. **2014**. Development and standardization of cinnamon and garlic flavoured popped sorghum snacks. Emerging Technology in Processing and value addition millets for better utilization. AC & RI, Madurai. 52 p.
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- ✓ **Parthiban, P.**, B. Rajendran, S. Nanthakumar and S. Sathiyaraj. 2017. Pests of Horticultural crops and their management. A. E. Publications, Coimbatore. 293 p. 9789381972908
- ✓ **Parthiban, P.**, B. Rajendran, K. Sankari Meena, V. P. Mavilashaw and S. Nanthakumar. 2017. Principles of Pest Management. Laser Park Publishing House, Coimbatore. 137 p. 9789384234850
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- ✓ **Parthiban, P.** 2017. Chapter V – Agricultural Entomology. (Objective Agriculture Sciences: eds. M. Sanjeev Gandhi *et al.*). Thannambikkai Publication. 9789387314306
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- ✓ Poovizhiraja, B., C. Chinniah, G. Srinivasan, A. Ravikumar and **P. Parthiban**. 2016. Influence of various host plants on the biological parameters of two spotted spider mite, *Tetranychus urticae* Koch. (Recent trends in pest and disease management strategies to align with environmental protection: eds. S. Nanthakumar *et al.*) Today Publications, Bangalore. 39-41 pp. 9789493991263
- ✓ Karthick, K. S., Kandibane, M. **P. Parthiban**, C. Chinniah and A. Ravikumar. 2016. Alternate weed host plants of leaf folder, *Cnaphalocrocis medinalis* (Guenee) in wetland condition. (Recent trends in pest and disease management strategies to align with environmental protection: eds. S. Nanthakumar *et al.*) Today Publications, Bangalore. 42-43. 9789493991263
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- ✓ Balakrishnan, K. and **P. Parthiban**. 2013. Effects of climate change on nutrition acquisition. 21-26 pp. (Nutritional physiology: eds. C. Vijayalakshmi, H. Vijayaraghavan, C. N. Chandrasekhar and P. Jeyakumar). A.E. Publications, Coimbatore. 179 p. 93-81972-44-3

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- ✓ Vijayakumar, S., Dinesh Jinger, **P. Parthiban** and S. Lokesh. **2018**. Aerobic rice cultivation for enhanced water use efficiency. *Indian Farming*. 68(06): 03-06.
- ✓ Thangavel, K., R. K. Murali Baskaran and **P. Parthiban**. **2017**. White stem borer, *Xylotrechus quadripes* management in coffee. *E Journal of Agriculture Science*. 1: 9-11.
- ✓ Thangavel, K., K. Suresh and **P. Parthiban**. **2017**. Neem as a natural insecticide. *E Journal of Agriculture Science*. 2(2): 6-9.
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- ✓ **Parthiban, P.**, A. Ravikumar, C. Chinniah, K. Thangavel and S. Lokesh. **2016**. Biological control: An eco-friendly pest management approach. *e Journal of Agriculture Science*. 1: 17-21.

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- ✓ Pest management in groundnut with utilizing intercrops. Friday October 31, **2014**. *The Hindu* (Tamil).

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- ✓ Amirthalingam, V., S. Lokesh, **P. Parthiban et al.**, **2011**. Redpalm Weevil Management.
- ✓ Amirthalingam, V., S. Lokesh, **P. Parthiban et al.**, **2011**. Panchakavya.
- ✓ Vijayakumar, S., R. Anburaja, S. Lokesh, **P. Parthiban** and A. Mohamed Asik. **2010**. Protray Nursery.
- ✓ Vijayakumar, S., R. Anburaja, S. Lokesh, **P. Parthiban** and A. Mohamed Asik. **2010**. *Pseudomonas fluorescens*.
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Membership in Scientific Bodies

✓ Association of Food Scientists & Technologists (AFSTI)	Life member	2024
✓ Indian Journal of Entomology	Life member	2020
✓ Genesis Urban and Rural Development Society	Life member	2018
✓ Green Reap Welfare Society	Life member	2017
✓ Agricultural Scientific Tamil Society	Life member	2017
✓ Journal of Biological Control	Life member	2017
✓ Advances in Life Sciences	Life member	2015
✓ Trends in Biosciences	Life member	2015
✓ Trends in Biotechnology and Biological Sciences	Life member	2015
✓ International Journal of Agricultural Sciences	Life member	2015

Reviewer in Journals

- ✓ Journal of Applied Entomology - **Wiley** 2020
- ✓ Journal of Soil Science and Plant Nutrition - **Springer Nature** 2020
- ✓ Bulletin of the National Research Centre - **Springer Nature** 2020
- ✓ Environmental Science and Pollution Research - **Springer Nature** 2020
- ✓ International Journal of Agricultural Sciences - Bio-info Publication 2015