

CURRICULAM VITAE

PONNUSAMY N

Ph.D. (Entomology)

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 6207488329

 7448320126




Applying for: Assistant Manager Plantations



CAREER OBJECTIVE

It should give me responsibility and the opportunity to make a difference, as I believe challenges make me deliver my best. My greatest asset is my sincerity and honesty, which helps in tackling the challenges to a meaningful conclusion.

ACADEMIC DETAILS

Degree	Board/University	OGPA/ Percentage	Year
 B.Sc. (Horticulture)	Horticultural College and Research Institute (TNAU), Periyakulam, Theni, Tamil Nadu, India	8.15	2012-16
 M.Sc. (Agri.) Entomology	Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal, India	7.59	2016-18
 Ph.D. (Entomology)	Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India.	7.98	2018-22

WORK EXPERIENCE

Worked as “Field Development Specialist” in Food and Machinery Corporation, India Ltd. (FMC) in the location of Hosur and Salem for 6 months (04.07.2022 to 31.12.2022). I have conducted insecticides trials in tomato, chilli and capsicum, herbicides trials in maize and rice, and fungicides trials in tomato and cucumber during this period.

RESEARCH EXPERIENCE

Ph.D. RESEARCH PROJECT

Worked under the advisement of Dr. Shiv Prakash Narayan Singh, Associate Professor, Department of Entomology, Dr. Rajendra Prasad Central Agricultural University, Pusa,

Samastipur, Bihar, India to “Studies on bionomics of brinjal shoot and fruit borer *Leucinodes orbonalis* Guenée), its management through newer insecticides and their residues in/on brinjal (*Solanum melongena* L.) fruits.” with the following objectives:

1. To study the diversity of insect pests and natural enemies in brinjal crop,
2. To study the population dynamics of brinjal shoot and fruit borer (*L. orbonalis*) and its relation with weather parameters,
3. To study the life cycle of brinjal shoot and fruit borer under laboratory conditions,
4. To study the efficacy of newer insecticides against brinjal shoot and fruit borer and
5. To study the persistence and dissipation of an insecticidal residue analysis in brinjal fruits.

M.Sc. RESEARCH PROJECT

Worked under the supervision of Dr. Suprakash Pal, Associate Professor, Department of Agricultural Entomology, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal, India to “Taxonomical and bio-ecological studies on predaceous Coccinellid beetles associated with various crop ecosystems” with the following objectives:

1. To study the taxonomical characters of the predaceous coccinellid beetles associated with different crops in the terai agro-ecological region.
2. To formulate a taxonomical key for easy identification of these coccinellid predators species.
3. To study developmental biology as well as feeding efficiency of predominant coccinellid beetles from the agro-ecosystems of Pundibari.

UNDERGRADUATE PROJECT WORK

“Survey of tea mosquito bug in moringa and management of fruit flies in guava and mango” at HC & RI, TNAU, Periyakulam during the year 2015-16 under the guidance of Dr. S. Irulandi, Professor (Agril. Entomology) and Dr. K. Suresh, Assistant Professor (Agril. Entomology), HC & RI, TNAU, Periyakulam.

AWARDS & CERTIFICATES

Sl. No	Awards and Certificates	Year	Institutions or Agency
1.	Best M.Sc. Thesis award	2019	Green Agri Professional Society, Dhanbad, Jharkhand, India.
2.	ICAR-SRF Exam- (Non-SRF)	2018	Indian Council Of Agriculture Research (ICAR), New Delhi, India.
3.	National Eligible Test (NET) Certificate	2018	Agricultural Scientist Recruitment Board (ASRB), New Delhi, India.

4.	ICAR-JRF Exam- (NTS)	2016	Indian Council Of Agriculture Research (ICAR), New Delhi, India.
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PUBLICATIONS

RESEARCH ARTICLES

1. **Ponnusamy, N.,** Gurung, B. and Pal, S. (2019). Faunistics and Diagnostics of predaceous Coccinellids in Terai region of West Bengal. *Entomological Society of India*, **81**(4): 896-899.
2. Gurung, B., **Ponnusamy, N.** and Pal, S. (2018). Biology and feeding potential of lady beetle *Coccinella transversalis* (Fabricius) (Coleoptera: Coccinellidae) on *Lipaphis erysimi* (Koch). *Journal of Insect Science*, **31**(1-2), 47-50.
3. Gurung, B., **Ponnusamy, N.** and Pal, S. (2019). Species diversity of predaceous coccinellids in different crop ecosystems under the hilly and terai region of West Bengal (India). *Ecology, Environment, and Conservation*, **25**(2): 636-642.
4. Das, U., Pal, S. and **Ponnusamy, N.** (2020). Biology and Seasonality of Lace bug *Cochlochila bullita* (Stal) (Heteroptera: Tingidae) on Tulsi *Ocimum sanctum* L. *International journal of Bio-resource and stress Management*. **11**(2): 114-118.
5. **Ponnusamy, N.,** Gurung, B. and Pal, S. (2021). Biology and feeding potential of Giant ladybird beetle, *Anisolemnia diltata*(Fab.) (Coleoptera: Coccinellidae) on Som aphids (*Aiceona* sp.) (Hemiptera: Aphididae). *Pest Management in Horticultural Ecosystems*, **27**(1): 61-64.
6. **Ponnusamy, N.,** Singh, S. P. N. and Sahoo, S. K. (2021). The life cycle of shoot and fruit borer *Leucinodes orbonalis* (Guen.) on eggplant in differebce seasons under Samastipur conditions of Bihar, India. *Biological Forum- An International Journal*, **13**(4): 56-59.
7. **Ponnusamy, N.,** Singh, S. P. N. and Sahoo, S. K. (2022). Development of efficient technique for estimation of chlorantranilprole residue in/on brinjal by using of HPLC. *Journal of Experimental Zoology- India*, **25**(1): 1063-1068.

SHORT COMMUNICATION

1. Gurung, B., **Ponnusamy, N.** and Pal, S. (2018). Effect of weather parameters on population dynamics of Coccinellids on different crop ecosystems. *Journal of Agrometeorology*, **20**(3), 254-255.

BOOKS

1. **Ponnusamy, N.**, Kumar, N. and Kumar, A. (2020), Ladybird Beetles: As Bio Security Force. *Astral International Publications*, ISBN: 9788194276005.

NEW SPECIES IDENTIFICATION

1. We found new parasitoid wasp *Tetrastichus epilachnae* (Hymenoptera: Eulopidae) which was found on *Anisolemnia dilatata* (Fab.) (Coccinellidae: Coleoptera) identified by Dr. Ankita Gupta (Senior Scientist and parasitic Hymenoptera taxonomist).

BOOK CHAPTERS

1. Pal, S. and **Ponnusamy, N.** (2019). Advances in Pest Management in Commercial Flowers. *Apple Academic Press*, <https://doi.org/10.1201/9780429284120>.
2. **Ponnusamy, N.**, Anil Kumar and Abbas Ahmad (2019). Bio-intensive Integrated Pest Management of Brinjal, New India Publishing Agency, pg. 139-150.
3. Sandeep Kumar, Priyanka Kumari and **Ponnusamy, N.** (2019). Bio-intensive Integrated Pest Management of Pomegranate, New India Publishing Agency, pg. 69-80.
4. Thangavel, S., **Ponnusamy, N.** and Monica, S.S (Glance of Insect Toxicology, Insecticide Appliances in Pest Management (2019). Glimpses of Crop Protection. New Vishal Publications, pg. 407-443.
5. **Ponnusamy, N.**, Prithiv Raj, V., Prabakaran, V. and Ramesh, P. (2021). Climate-smart agriculture way toward the better management option for a pest and diseases to enhancing the crop production, Implications for Climate-Smart Agriculture. Biotech Books, pg. 161-180.
6. **Ponnusamy, N.**, Prithiv Raj, V., Sujatha, B. and Ravivarman, C. (2021). Life cycle of important insect-pest of Eggplant and their management practices. *Solanum melogena* Production, Cultivation and Nutrition. Nova Science publishers, pg. 271-298.
7. Prithiv Raj, V., Thangavel, S., **Ponnusamy, N.**, and Prabakaran, V. (2022). Plant-Microbe-Insect Interactions: Concepts and Applications for agricultural sustainability. Antifungal Metabolites of *Rhizobacteria* for sustainable agriculture. Springer publishers, pg. 335-349.

BOOK PROCEEDINGS

1. Gurung, B., **Ponnusamy, N.** and Pal, S. (2018). Dominating response of species in the Ladybird beetle (Coccinellidae: Coleoptera) community along with its off-season

- Refugia. *International Symposium on Biodiversity and Bionbanking BIODIVERSE 2018*. Abstract code: PP –INB013: 111-113.
2. **Ponnusamy, N.**, Kaleeswaran, G. and Suresh, K. (2017). Integrated Approach for the management of fruit flies (*Bactrocera diversus*, Tephritidae: Diptera) on guava fruit. 7th International Science Congress. ISCA-ISC-2017-1AFH-52- Poster.
 3. **Ponnusamy, N.**, Gurung, B. and Pal, S. (2018). Developing taxonomical keys for identification of predatory coccinellids in the Terai region of West Bengal. *International Symposium on Biodiversity and Bionbanking BIODIVERSE 2018*. Abstract code: PP – INB009: 175.
 4. **Ponnusamy, N.**, Somala Karthik, Thokchom, S and Longkumer, Y. (2019). Colony collapse disorder- An abnormal sign of a honey bee colony. 3rd *International Conference Global Initiatives in Agricultural and Applied Science for Eco-Friendly Environment (GIASE- 2019)*. ISBN: 978-3-96492-103-1.
 5. **Ponnusamy, N.**, Kaleeswaran, G. and Suresh, K. (2017). Influence of weather parameters on populations of tea mosquito bug (*Helopeltis antonii*, Miridae: Hemiptera) in moringa (*Moringa oleifera* L., Moringaceae). *National Symposium on “Towards Climate-Smart Agriculture- A key To Livelihood Security”*. NSIAS 43 (IV-7) - 96.

POPULAR ARTICLES

1. M. S. Sai Reddy, **Ponnusamy, N.** and Somala Karthik, (2019). Disruption of Chitin Metabolism for Insect Pest Management. *Agrobios Newsletter*. Vol. No. 17(11): 105-106, April 2019.
2. **Ponnusamy, N.**, Somala Karthik and M. S. Sai Reddy, (2019). Biointensive IPM of Coconut Eriyophid Mite. *Agrobios Newsletter*. Vol. No. 17(12): 102-103, May 2019.
3. Somala Karthik, **Ponnusamy, N.** and M. S. Sai Reddy, (2019), Invasive Insect pests in India: Second biggest threat to Biodiversity. *Agrobios Newsletter*. Vol. No. 17(12): 102-103, May 2019.
4. **Ponnusamy, N.**, M. S. Sai Reddy, Md. Abbas Ahmad, A. R. N. S. Subbanna and Somala Karthik (2019). Semiochemical Parsimony in Different Insects. *Agrobios Newsletter*. Vol. No. 18(02): 107-108, July 2019.
5. Somala Karthik, M. S. Sai Reddy, Md. Abbas Ahmad, A. R. N. S. Subbanna and **Ponnusamy, N.**(2019). Role of Digestive Enzymes in Insect Pest Management. *Agrobios Newsletter*. Vol. No. 18(02): 106, July 2019.
6. **Ponnusamy, N.**, Somala Karthik and M. S. Sai Reddy, (2019). Different Coccinellid Predators feeding on Aphid (*Schizoneuraphis himalayensis* Ghosh & Raychaudhuri) of

- Som plant (*Persea bombycina* Kost) in Terai Region of West Bengal. *Agrobios Newsletter*. Vol. No. 18(04): 83-84, September 2019.
7. Somala Karthik, **Ponnusamy, N.** and M. S. Sai Reddy, (2019). Entanglement of Insect Diapause in Pest control. *Agrobios Newsletter*. Vol. No. 18(04): 82-83, September 2019.
 8. Sushmita Thokchom, Somala Karthik and **Ponnusamy, N.** (2019). Neonicotinoids: As a New Silent Spring. *Agrobios Newsletter*. Vol. No. 18(05): 75, October 2019.
 9. Shivakumara M N, M.S. Sai Reddy and **Ponnusamy, N.** (2019). Heat Shock Proteins of insects. *Agrobios Newsletter*. Vol. No. 18(07): 82-83, December 2019.
 10. Sushmita Thokchom, Somala Karthik and **Ponnusamy, N.** (2019). Feeding Behaviour of Tea Mosquito bug on Different Host plants. *Agrobios Newsletter*. Vol. No. 18(06): 86, November 2019.
 11. **Ponnusamy, N.**, Somala Karthik, M. S. Sai Reddy and Hari Krishna (2020). Decline of Entomofauna on the Earth. *Agrobios Newsletter*. Vol. No. 18(10): 109-111, March 2020.
 12. **Ponnusamy, N.**, Prithiv Raj, V., Ravivarman, C. and Karthick, R. E. (2021). Scope of Molecular biology in Entomological Research. *Agrigate*. Issue 2. 15-18.
 13. **Ponnusamy, N.**, Karthick, R. E., Ravivarman, C. and Abinaya, S. (2020). Invasive Insect pests tenanted in India. *Agrisakthi*, Issue 22. 12-15. (Tamil)
 14. **Ponnusamy, N.**, Karthick, R. E., Srikanth, N., Abinaya, S. and Ravivarman, C. (2021). Conservation of Predatory coccinellids for sustainable production. *Krishi Science*, 2(11): 15-18.

INTERNSHIPS/ TRAINING ATTENDED

- Undergone training on coffee production and processing at HRS, Thadiyankudisai, Dindugul, Tamil Nadu.
- Undergone training in Tea cultivation, processing and marketing at UPASI, Coonoor, Tamil Nadu.
- Participated ten days national level training program “Recent Advances in Entomology- New Dimensions to Invigorate the Insect Pest Management” organized by the Dept. of Entomology, College of Horticulture, Bidar, Karnataka from 7th to 18th December 2020
- Attended five days online training program on “Smart farming: Application of AI, Robotics, IoT and Cloud computing” during 28th February to 04th March organised by centre for

Agricultural market Intelligence, NAHEP-CAAST, Anand Agricultural University in collaboration with College of Horticultural and College of Agricultural Information Technology, AAU, Anand.

PROFESSIONAL EXPERIENCE WITH FARMERS

- Rural Horticultural Work Experience – Acted as Representative for Rural interactive study to acquaint socio-economic, cultural values and farming practices at Oddanchattiram, Dindugul, Tamil Nadu.
- Acquired hands-on experience in the production of seedlings in a Private nursery in Oddanchattiram, Dindugul, Tamil Nadu.
- Learned and involved in Nongovernmental Organization (NGO) (Peace trust) activities at Dindugul, Tamil Nadu.

WORKSHOPS ATTENDED

- Participated in the **Personality Development / Self Realization Programme** organized at Horticultural College & Research Institute, Periyakulam, Tamil Nadu-625604.
- Attended that workshop on “**Food Security and Climate Change in India**” organized by Uttar Banga Krishi Viswavidyalaya, Cooch Behar, West Bengal-736165.
- Participated and completed the two-day “**Sensitization workshop on Experiential Learning, Entrepreneurship and Needs of Agro-Industry**” organized by Uttar Banga Krishi Viswavidyalaya (UBKV) in association with ICAR- National Academy of Agricultural Research Management (ICAR-NAARM) and Bengal Chamber of Commerce & Industry (BCC&I).
- Attended that workshop on “**Insect-Plant interactions and Insect Pest Management**” organized by Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu.

CONFERENCES/ SYMPOSIUM ATTENDED

INTERNATIONAL LEVEL CONFERENCES

- Participated in 7th International Science Congress (ISC-2017) held at College of Science and Technology, Rinchending, Pheunsholing, Chukka, Bhutan and presented a paper by **poster** entitled **Integrated approach for the management of fruit flies (*Bactrocera diversus*, Tephritidae: Diptera) on Guava fruit.**

- Participated in the “International Symposium on Biodiversity and Biobanking (Biodiverse 2018)” organized by Indian Institute of Technology, Guwahati and Association for the Promotion of DNA Fingerprinting and other DNA technologies and presented a paper by **poster** entitled **Developing Taxonomic keys for predaceous Coccinellids in Terai region of West Bengal.**
- Participated in the “3rd International Conference- Global Initiatives in Agricultural and Applied Sciences for Eco-friendly Environment” (GIASE-2019) during 16-18 June 2019 at Tribhuvan University, Kathmandu, Nepal and presented a paper by **oral** entitled “**Colony collapse disorder- An abnormal sign to honey bee colony**”.
- Participated in the “International Conference on Sustainable Agriculture Development in Changing Global Scenario” during 11th-13th October 2019 at Banaras Hindu University, Varanasi and presented a paper by **oral** entitled “**Entomopathogenic Microbes an Eco-friendly tool in IPM**”.

NATIONAL LEVEL CONFERENCES

- Participated in the “National Symposium on Towards Climate-Smart Agriculture- A key to Livelihood Security” organized by Institute of Agricultural Science, University of Calcutta and presented a paper by **poster** entitled **Influence of Weather parameters on populations of tea mosquito bug (*Helopeltis antonii*, Miriidae: Hemiptera) in Moringa (*Moringa oleifera* L.) Moringaceae.**
- Participated in the “National Conference on Integrated Plant Health Management in Fruit Crops” organized by Confederation of Horticulture Association of India (CHAI) and ICAR- National Research center on Litchi, Muzaffarpur, Bihar and presented a paper by **oral** entitled **Ecological engineering: a new way for pest management.**
- Participated in the “3rd National Conference on Promoting and Reinvigoration Agri-Horti Technological Innovations (24th -25th December- 2019) and a paper by **oral** entitled “**Taxonomical and Bioecological Studies on Predaceous Coccinellid beetles associated with various crop ecosystems**”.
- Participated in the 6th National Youth Convention on “Innovation and Agricultural Reforms towards Farmers Prosperity” during 20-21 February 2021 by virtual mode.

ONLINE WEBINARS

S. No.	Topic of Webinar	Organized by
1.	Crop improvement for Food and Nutritional Security: Challenges and Opportunities.	Dept. of Plant Breeding and Genetics (AAU) and NAHEP.

2.	Biodiversity Conservation and its Management	Dept. of Zoology and Biotechnology, Govt. Girls P.G. College, (M.P) with ZSI and Society of Life Sciences.
3.	The Impact of Locust swarms in Agriculture	PG & Research Dept. of Economics, Raja Dorasingam Govt. Arts College, Sivagangai, Tamil Nadu.
4.	Challenges and Recent Initiatives on Sustainable Management on Fall Armyworm	Bihar Agricultural University, Bhagalpur.
5.	International Web conference on Ensuring Food Safety, Security and Sustainability through Crop Protection	Bihar Agricultural University, Bhagalpur.
6.	Integrated Disease Management in Horticultural Crops	Dept. of Plant protection, College of Horticulture, Sardarkrushinagar Dantiwada Agricultural University,
7.	International Webinar on Climate Resilient Agriculture for Food and Nutrition Security	Institute of Agricultural Sciences, Banaras Hindu University, Varanasi.
8.	Recent Trends in Horticultural Entomology	Dept. Plant protection, College of Horticulture, Sardarkrushinagar, Dantiwada Agricultural University,
9.	Honey bee & Pollinators in Modern Agri-Horti Enterprises	MHU Regional Mushroom Research Centre, Murthal.
10.	National Webinar on Stored Product in Era of Climate Change	Bihar Agricultural University, Bhagalpur.
11.	Recent advances in Entomology- New Dimensions to the Insect Pest Management	University of Horticultural Sciences, Bagakot, Karnataka.

PROFESSIONAL EFFICIENCY

- Experienced with the operation of HPLC instruments during the Ph.D. programme.
- Nursery management and production of seedlings as well as production of seeds.
- Farm management and Estate management.
- Food processing of horticultural products.
- Landscape designing and ornamental gardening.
- Beekeeping and their management.

EXTRA-CURRICULAR ACTIVITIES

- Participated in “NATURE IN PIXELS (Photography Competition)” organized by Indian Institute of Technology, Guwahati and Association for the Promotion of DNA Fingerprinting and other DNA technologies.

COMPUTER SKILLS

- Basic knowledge of computer
- Well-versed with Windows 7, XP, Microsoft Office 2003, 2007, 2010 (Microsoft Word, Excel, and PowerPoint), Adobe Acrobat, Adobe Photoshop, etc.

LANGUAGES KNOWN:

Speak: Tamil, English, Telugu and Hindi

Read: Tamil and English

Write: Tamil and English

Permanent Address:

Ponnusamy N,
S/o Natarajan, Adagapadi (vill) & (po),
Dharmapuri (TK) & (DT), Tamil Nadu, India.
Pin no: 636 803.

REFERENCES:

Dr. Suprakash Pal, Ph.D.

Professor (Agril. Entomology),
Directorate of Research Station (Terai Zone), Uttar Banga Krishi Viswavidyalaya, Pundibari,
Cooch Behar, West Bengal- 736 165, India.
Contact: 7602206436

Dr. Shiv Prakash Narayan Singh, Ph.D.

Associate Professor,
Dept. of Entomology,
Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India- 848125.
Contact: 6206321317

Dr. K. Suresh, Ph.D.

Associate Professor (Agril. Entomology),
Agricultural College and Research Institute, Madurai, TNAU.
Contact: 9965288760

Declaration:

I do hereby that all the information furnished above is true up to my knowledge and I thank you in advance for considering my application. I will be able to prove myself as an asset to your organization.

A rectangular box containing a handwritten signature in blue ink. The signature is stylized and appears to be 'P. N. S.' followed by a flourish.

PONNUSAMY N