



Smt. Sailaja.V

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Profile Summary

Sailaja is an Assistant Professor in Entomology with 9 years of Research, Teaching and Extension experience in Indian Council of Agricultural Research Institutes and State Agricultural University.

She conducted “On-farm testing” for assessing suitability of technologies location specific farming situations and she organized short and long term vocational training courses in agriculture for rural youth with emphasis on “Learning by doing” for higher production on farms and for developing entrepreneurship skills at Krishi Vignana Kendra, Prof. Jayshankar Telangana State Agricultural University (PJTSAU) as Research associate (Plant Protection) at Khammam District, Telangana.

She worked as Research Associate, ICAR-Indian Institute of Rice Research (Directorate of Rice Research), Hyderabad in estimation of temperature thresholds and thermal constants for development and survival of rice leaffolder, rice planthoppers (BPH & WBPH) which could be used for development of phenology models for forecasting the pests. She worked on off-season survival and carryover of Yellow stem borer, rice leaffolder, rice plant hoppers (BPH& WBPH) on alternate hosts to quantify the survival and mortality factors for incorporation in pest simulation & forecasting models.

She prepared 114 District Agriculture Contingency Plans for the States of Chhattisgarh, Uttar Pradesh, Uttarakhand, Meghalaya, Nagaland, Assam, Arunachal Pradesh, Punjab, Gujarat, Haryana, Maharashtra, Madhya Pradesh, Andaman & Nicobar Islands to manage various weather aberrations such as droughts, floods, cyclones, hailstorms, heat and cold waves addressing different sectors of agriculture including horticulture, livestock, poultry and fisheries

in National Innovative on Climate Resilient Agriculture (NICRA) Project at ICAR-CRIDA. She organized State-level Interface meetings of ICAR-DAC-State Agriculture Departments on Enhancing the Preparedness of Agricultural Contingencies prior to *Kharif* 2014, 2015 & 2016 seasons at different locations across India.

She appointed as assistant professor (Entomology) for BSc (Forestry) students at Forest college and Research Institute, Hyderabad @ Mulugu. Apart from regular courses she is guiding Student READY Program for BSc Forestry students as a part of their course curriculum (0+6 Credits) where she train the students by hands on experience which helps the student to develop competence, capability, capacity building, acquiring skills, expertise, and confidence to start their own enterprise and turn job creators instead of job seekers.

Educational Qualifications

2009: Masters of Science in **Agricultural Entomology**, Department of Entomology, College of Agriculture, Acharya N G Ranga Agricultural University, Hyderabad, Andhra Pradesh, India.

2007: Bachelors of Science in **Agriculture**, College of Agriculture, Acharya N G Ranga Agricultural University, Hyderabad, Andhra Pradesh, India.

Work Experience

2009 to 2010	Research associate (Plant Protection), Krishi Vignana Kendra, Prof. Jayshankar Telangana State Agricultural University, Khammam District, Telangana.
2010 to 2013	Research Associate, ICAR-Indian Institute of Rice Research (Directorate of Rice Research), Rajendranagar, Hyderabad, Telangana
2013 to 2018	Research Associate, ICAR-Central Research Institute for Dryland Agriculture & ICAR-Agricultural Technology Application Research Institute (ATARI) Santoshnagar, Hyderabad, Telangana
& 2018 to Present	Assistant Professor, Forest College and Research Institute, Hyderabad at Mulugu

Teaching & Research Interests

Research Areas

Integrated Pest Management

Pest monitoring and surveillance

Insect Ecology

Courses Taught

Forest Protection (BSc Forestry)

Plant Physiology (BSc Forestry)

Introduction to Agronomy and Horticulture (BSc Forestry)

Adverse influence on Forests (Forest Range Officer Trainees)

Awards/ Recognitions

- Invited as guest speaker to deliver a lecture on "*Wood boring insects of quarantine significance and their identification*" to officers of State Agriculture University and officers from Department of Agriculture at National Institute of Plant Health Management, Hyderabad
- Invited as Resource speaker to deliver a lecture on Integrated Pest Management on Soapnut Webbers at Institute of Forest Biodiversity, Indian Council of Forestry Research and Education (**ICFRE**), Hyderabad.
- Best Photo winner award during National Symposium on Entomology 2018: Advances and Challenges held during 10-12 December, 2018, Hyderabad
- Fellow of Academy for Environment and Life Sciences in October, 2018.
- Achieved third best poster presentation award on "Phenology Model for Predicting Seasonal Cycles of Cotton Mealybug, Rice Leafhopper and Rice Planthoppers Under Climate Change Scenario" in International Conference on Climate Change, Water, Agriculture and Food Security (ICCCWAFS 2016)" during November 2-3, 2016, ICRISAT, Hyderabad.
- Best Masters Thesis Award received for outstanding contribution in the field of Agricultural Entomology on the occasion of National Conference on "Emerging Challenges and Opportunities in Agriculture, Social, Plant, Environment, Co-operatives & Technology (ECOASPECT-2016)
- Scientist Associate Award received for outstanding contribution in the field of Agricultural Entomology on the occasion of National Conference on "Emerging Challenges and Opportunities in Biotic and Abiotic Stress Management (ECOBASM-2014)

- Secured first position in poster presentation during the National Conference on "Emerging Challenges and Opportunities in Biotic and Abiotic Stress Management (ECOBASM-2014)
- Acted as Rapporteur during the National Conference on "Emerging Challenges and Opportunities in Biotic and Abiotic Stress Management (ECOBASM-2014)
- Qualified National Eligibility Test (NET) in Agricultural Entomology conducted by ASRB in April, 2014

Membership of Academic – Professional Societies:

- Annual member in Plant Protection Association of India in 2012 and 2016
- Annual member in [Association of Rice Research Workers](#) in 2013
- **Life member** in Association of Agrometeorologists in July, 2018 (LM-1291)
- **Life Member** in Academy for Environment and Life Sciences in October, 2018.
- Life time Member in **CONSORTIUM OF INDUSTRIAL AGROFORESTRY (CIAF)**, FC&RI, Mettupalayam.

Scholarly Activity

Journal Publications

1. **V. Sailaja**, K Vijaya Lakshmi and K. Loka Reddy. 2017. Screening of maize genotypes against pink stem borer, *Sesamia inferens* Walker under artificial infestation in the field. *Agriculture Update*, 12 (4):681-684.
2. **V. Sailaja**, K Vijaya Lakshmi and K. Loka Reddy. 2017. Estimation of avoidable yield losses against *Sesamia inferens* in promising maize hybrid with endosulfan spraying. *Agriculture Update*, 12 (4):610-614.
3. Gayathri M, **Sailaja V**, Prasad YG*, Prabhakar M, Ramachandra Rao G and Rekha G, 2016. Temperature dependent developmental biology and survival of *Spodoptera litura* life stages on soybean. *Indian Journal of Plant Protection*, 44 (4): 419-422.
4. Padmavathi Ch, Katti G, **Sailaja V** and Prasad YG, 2015. Physiological age status of female adults and off-season survival of rice leaf folder *Cnaphalocrocis medinalis* in India. *Rice Science*, 22(5): 237-244.
5. Ch Padmavathi, G Katti, V. Sailaja, AP Padmakumari, V. Jhansilakshmi, M. Prabhakar & YG Prasad, 2013. Temperature thresholds and thermal requirements for the development

of the rice leaf folder, *Cnaphalocrocis medinalis*. Journal of Insect Science, 13, Article 96.

6. AP Padmakumari, G. Katti, V.Sailaja, Ch. Padmavathi, V. Jhansi Lakshmi, M.Prabhakar and YG Prasad, 2013. Delineation of larval instars in field populations of rice yellow stem borer, *Scirpophaga incertulas* (Walk.), *Oryza*, 50 (3): 259-267.
7. **V.Sailaja**, K.Vijaya Lakshmi, K.Loka Reddy and JC Sekar, 2012, Differential preference of Maize genotypes to pink borer, *Sesamia inferens*. Indian Journal of Plant Protection, 40(1):71-73

Books

8. **Sailaja Vallabuni**, Differential preference of Maize genotypes to pink borer, *Sesamia inferens*, 2016, 85pp
9. YG Prasad, M Prabhakar, N Ravi Kumar, G Rajeshwar Rao and **V Sailaja**. 2014. Advances in Pest Forecast Models and Decision Support Systems for Crop Protection in Changing Climate Scenario, Compendium of Lectures, ICAR Winter School, 29th Oct – 18th Nov, 2014. Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad, India.
10. YG Prasad, M Prabhakar, **Sailaja V**, 2016. Decision Support System for Insect Pests of Rice and Cotton based cropping Systems, Technical Bulletin, ICAR-Agricultural Technology Application Research Institute (ATARI), Hyderabad, 26p.
11. YG Prasad, M Prabhakar, **Sailaja V**, 2016. Role of Pest monitoring and forecast models in Integrated Pest Management Programs. Technical Bulletin, ICAR-Agricultural Technology Application Research Institute (ATARI), Hyderabad, 28p.

Abstracts/ Conference / Seminar proceeding

12. **Sailaja Vallabuni** and YG Prasad, 2016. Phenology model for predicting seasonal cycles of cotton mealybug, rice leaf folder and rice planthoppers under climate change scenario. International Conference on Climate Change, Water, Agriculture and Food Security (ICCCWAFS 2016) during November 2-3, 2016 at ICRISAT, Hyderabad.
13. M. Prabhakar, YG Prasad, Ch Padmavathi, V Jhansi Laxmi, G. Katti, M Tirupati, G Ramachandra Rao and **V Sailaja**, 2016. Assessing damage severity of planthopper and leaf folder in Rice using hyperspectral remote sensing and multinomial logistic regression models. **XXV International Congress of Entomology** during 29 September, 2016 at Florida, USA

14. M. Prabhakar, YG Prasad, Ch Padmavathi, Gururaj Katti, Lakhi Ram, M Tirupati, **V Sailaja** and G Ramachandra Rao, 2014. Remote sensing of leaf folder damage in Rice using ground based hyperspectral Radiometry and Space-borne high resolution multispectral data. **International Symposium** on New Dimensions in Agrometeorology for Sustainable Agriculture during 16-18 October, 2014.
15. Padmakumari AP, Katti G, **Sailaja V**, Padmavathi Ch and Jhansi Lakshmi V, 2012. Off season survival of yellow stem borer, *Scirpophaga incertulas* (Walker) (Pyralidae). **International Symposium** on 100 years Rice Science and Looking Beyond during 9-12, January, 2012 at Tamil Nadu Agricultural University, Coimbatore-641 003, Tamil Nadu, India
16. Padmavathi Chintalapati, Gururaj Katti, **V. Sailaja**, AP Padmakumari, V Jhansilakshmi, M Prabhakar and YG Prasad, 2012. Degree Day Models – a Tool to Forecast Leaf folder Activity in Rice. **International conference** on plant health management for food security held at Hyderabad during 28-30 November, 2012.
17. V Jhansi Lakshmi, T Ram, PM Chirutkar and V Sailaja, 2012. Mechanisms of Resistance to Rice Planthoppers in Wild Rices (*Oryza spp.*) and their Accessions. **International conference** on plant health management for food security held at Hyderabad during 28-30 November, 2012.