



Dr. K. Rajasekhara Rao

Email Address: korada.rao@icar.gov.in

Ph.D, POST-DOCH Head, Division of Crop Management

Contact Address:

Division of Crop Management,
ICAR-Central Tobacco Research Institute,
Rajahmundry-533 105.

Phone (Mobile): 8917223043

Employment Record

- Head, Division of Crop Management, ICAR-CTRI (July 18, 2023-till date)
- Head i/c, NRRI-Regional Coastal Rice Research Station, Naira, Andhra Pradesh (2017 - 2022)
- Principal Scientist, ICAR-NRRI, Cuttack (2017 - 2023)
- Principal Scientist, Regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha (2012 - 2017)
- Senior Scientist, Regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha (2006 -2012)
- Scientist (Sr. Scale), Regional Centre, ICAR-CTCRI, Bhubaneswar, Odisha (2004 - 2006)
- Scientist, ICAR Research Complex for NEH Region, Umiam (1997 - 2004)

Area of Interest Publications

1. Kiran Gandhi B., Ajay Deep Singh, Vennila Sengottayian, **Rajasekhara Rao Korada**, Srujana Reddy (2022) Impact of climate change on *Helicoverpa armigera* voltinism in different Agro-Climatic zones of India. *Journal of Thermal Biology* 106 : 103229, IF 2.9 (NAAS rating 8.9).
2. **Rajasekhara Rao Korada**, Swagatika Misra, S. K. Naskar, N. Bhaktavatsalam, A. R. Prasad, Khushboo Sinha, C. A. Jayaprakas and A. Mukherjee (2013) Plant volatile organic compounds as chemical markers to identify resistance in sweet potato against weevil *Cylas formicarius*. *Current Science* 105 (9): 1247-1253. (NAAS: 7.1)
3. Gotyal, B.S., **Rajasekhara Rao Korada**, S. Satapathy, and K.V. Shivakumar (2023) Volatile Organic compounds mediated non-preference for oviposition and feeding of hairy caterpillar *Spilosoma oblique* Walker (Lepidoptera: Erebidae) in Jute. *Journal of Environmental Biology*. 44 (2023) (Accepted). (NAAS: 5.57)
4. **Rajasekhara Rao Korada**, Naskar SK, Prasad AR, Prasuna AL, Jyothi KN (2010) Differential volatile emission from sweetpotato plant: Mechanism of Resistance in sweetpotato for weevil *Cylas formicarius* (Fab). *Current Science* 99 (11): 1597-1601 (NAAS: 7.1)
5. Tanmayee Samantaray and **Rajasekhara Rao Korada** (2016) Electrophysiological and behavioural responses of sweetpotato weevil, *Cylas formicarius* Fab. to sweetpotato varieties. *Current Science* 111 (5): 895-900. (NAAS: 7.1)
6. Tanmayee Samantaray and **Rajasekhara Rao Korada** (2016) Electrophysiological and behavioural responses of sweetpotato weevil, *Cylas formicarius* to green leaf volatiles and terpenoids. *Current Science* 110 (5): 902-908. (NAAS: 7.1)

7. **Rajasekhara Rao Korada**, S. K. Naskar and S. Edison (2010) Insect Pests and their Management in Yam Production and Storage: A World Review. *International Journal of Pest Management* 56 (4):337-349 (NAAS: 7.91)
8. **Rajasekhara Rao Korada**, Naskar SK, Prasad AR, Prasuna AL, Jyothi KN (2010) Differential volatile emission from sweetpotato plant: Mechanism of Resistance in sweetpotato for weevil *Cylas formicarius* (Fab). *Current Science* 99 (11): 1597-1601. (NAAS 7.1)
9. **Rajasekhara Rao Korada**, and Frans C Griepink (2009) Aggregation pheromone compounds of the black larder beetle *Dermestes haemorrhoidalis* Kuster (Coleoptera: Dermestidae). *Chemoecology* 19: 177-184. IF: 2.364 (NAAS: 8.364)
10. Nedunchezhiyan, M., **Rajasekhara Rao K.** and Satapathy, B.S. (2010) Productivity potential, biological efficiency and economics of sweetpotato (*Ipomoea batatas*) based strip intercropping system in rainfed alfisols. *Indian Journal of Agricultural Sciences* 80 (4): 327-330. (NAAS: 6.37)

Awards/ Honors

- **International**
- **Borlaug Fellow: Norman E. Borlaug International Agric. Science and Tech. Fellowship @** Louisiana State University, Baton Rouge, USA (Sept-Dec 2012) (3 months) to work on Sweet potato plant chemical interactions with sweet potato weevil. Awarded by United States Department of Agriculture-Foreign Agricultural Service, Washington, USA.
- **DBT's Overseas Associateship Award Long Term (2005-2006)** for conducting research in Insect pheromones @ Plant Research International, Wageningen University & Research, Wageningen, The Netherlands during (March 2007 to March 2008) (One Year). Sponsored by Dept of Biotechnology (DBT), Ministry of Science & Technology, Govt of India.
- **Netherlands Fellowships Program (NFP-TP) @** International Agricultural Centre, Wageningen, Wageningen University & Res., The Netherlands (April-July 2004) Training of IPM, Food Safety & Organic Farming (3 months). Funded by NUFFIC, The Netherlands.
- **National**
- **Dr. B. Vasantharaj David Award-2020** for Outstanding contributions in semiochemicals for management of sweet potato weevil in tuber crops by Applied Zoologists Research Association (AZRA), Bhubaneswar, Odisha.
- **Excellence and Innovation Award-2019** for Commendable Contribution in Chemical Ecology by Dr B.V. David Foundation, Chennai, Regd No.137/2019 (2012)
- **Fellow**
- Elected Fellow Entomological Society of India (IARI, New Delhi)
- Fellow of Society for Biocontrol Advancement (NBAIR, Bangalore)
- Fellow of Applied Zoologists Research Association, Bhubaneswar
- **Member/Adviser**
- Adviser (Subject Matter specialist), Union Public Service Commission (UPSC), New Delhi (2021)
- Member, Expert committee for selection of Technical products for pest management for the year 2019-20, Govt of Odisha, Bhubaneswar.
- Member, State Sub-committee on Fall Armyworm management strategy, Govt of Odisha, Bhubaneswar

- Member, Board of Studies, GIET (Gandhi Institute of Engineering & Technology), Gunupur, Odisha
- Expert Member, Statutory Selection Committee 2018, OUAT, Bhubaneswar
- **Member of Journals/Editorial Board**
- Editorial Advisory Committee, Section Editor: Chemical Ecology, Entomological Society of India, Indian Journal of Entomology, ICAR-IARI, New Delhi. (2018-2020)
- Editor Crop Protection Section, 2015-2020, Journal of Applied Zoological Researches, Bhubaneswar, Odisha.
- Councillor, Applied Zoologists Research Association, AZRA, Bhubaneswar (Regn No. 19126/64) (2015-2020)
- Executive Committee member 2004-2005, Journal of Biological Control, ICAR-NBAIR, Bangalore