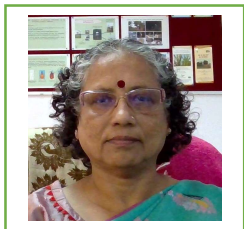


Personal Information

Name Sharmila Roy	 Photo
Designation	Principal Scientist
Division/Section	Crop Protection Division
Research Area	1.Sugarcane insect pests and beneficial soil microarthropods
Patent Details	
External Funded Projects (in last 5 Years)	
Contractual Research Projects <ul style="list-style-type: none"> Efficacy of F4337-500g/l SC against major insect pests of sugarcane - CoPI Bio- efficacy evaluation of GPI 818 & GPI 418 against major insect pests in sugarcane. Project no. 604 –PI (from Sep2022) Efficacy of E2Y45-600Sc against major insect pests of sugarcane Project no. 601-PI (from Sep2022) 	
Publications (in last 5 Years)	
i. Roy Sharmila , Balaji Rajkumar and Misra A.K. 2018. Temporal dynamics of mango flower visitors and their contribution in pollination. <i>Journal of Eco-friendly Agriculture</i> 13(1):56-59. ii. Roy Sharmila , Roy MM, Jaiswal AK and Baitha A, 2018. Soil arthropods in maintaining soil health: Thrust areas for sugarcane production systems. <i>Sugar Tech.</i> 20(4): 376-391	

- iii. **Sharmila Roy**, Balaji Rajkumar and Misra A.K. 2018. A pilot study for area-wide management of fruit fly in mango for the central Gangetic plain. *Journal of Eco-friendly Agriculture* 13(2):68-71.
- iv. **Sharmila Roy**, A. K. Jaiswal, S. N. Sushil, A. Baitha and M. M. Roy 2019. Landscape-Based Habitat Engineering for Sugarcane Ecosystem: A Green Technological Option for Pest Management. *Sugar Tech*. DOI: 10.1007/s12355-019-00705-0
- v. M. M. Roy and **Sharmila Roy**. 2019. Biodiversity in Thar Desert and its Role in Sustainable Agriculture. *Flora & Fauna* 25(2): 103-120.
- vi. Sushil SN, Amaresh Chandra, **Sharmila Roy**, AK Jaiswal, MR Singh and AD Pathak. 2019. Determination of Morphological and Biochemical Basis of Resistance against Top Borer, *Scirpophaga excerptalis* Walker in Sugarcane. *Sugar Tech*:22(2):259-265
- vii. Sushil, SN.; Kalleshwaraswamy CM.; Ranjith, M.; **Roy, Sharmila**, Jaiswal, AK, Joshi, D. & Pathak, AD. 2020. Incidence and diversity of termites associated with sugarcane in North-West Zone of India with new records. *Sugar Tech* DOI: 10.1007/s12355-020-00883-2.
- viii. Sushil, SN.; **Roy, Sharmila**; Jaiswal, AK.; Joshi, D. & Pathak, AD. 2020. Management of termites through different tools and their impact on environment and soil micro-arthropods in sugarcane in Indo-gangetic plains of India. *Sugar Tech*, DOI: 10.1007/s 12355-020-00938-4.
- ix. Jaiswal AK, **Sharmila Roy** & SN Sushil. 2020. A Paradigm shift of Quality Lac Production in India. *Indian Forester*, 146 (7): 647-652
- x. Kumar Anuj, Baitha Arun, Jaiswal AK, **Roy Sharmila**, Kumar Ajay & Kumar Anuj. 2021. The impact of adult nutrition on reproductive potential of *Tetrastichus howardi* (Olliff) (Hymenoptera: Eulophidae) on pupae of sugarcane top borer. *Ann. Plant Protection Science* 29 (1): 74-76.
- xi. Jaiswal A.K., Alok Kumar, **Sharmila Roy** and S.N. Sushil. 2022. Growth Analysis of lac Production During XII Plan vis-a-vis XI Plan Period in Odisha, India. *Journal of Community Mobilization and Sustainable Development* Vol. 17(1): 75-79.
- xii. Sushil S.N, Joshi Deeksha, **Roy Sharmila**, Pathak A.D. 2022. Plant Quarantine Regulations with Reference to Sugarcane in India: Strengths and Challenges. *Sugar Tech*. DOI: 10.1007/s12355-022-01125-3
- xiii. Sushil, S.N., **Roy Sharmila**, Jaiswal, A.K., Joshi Deeksha, Pathak, A.D. 2021. Management of termites through different tools and their impact on environment and soil micro-arthropods in Sugarcane in Indo-Gangetic Plains of India. *Sugar Tech* 23: 865–871
- xiv. Baitha Arun, Kumar Anuj, Jaiswal A.K., **Roy Sharmila**, Singh M.R., Kumar Ajay, Kumar Anuj, Kajla Ankit. 2019. A note on *Tetrastichus howardi* (Olliff) (Hymenoptera: Eulophidae) on pupa of pierid butterfly, *Catopsilia pyrenthe* (Lepidoptera: Pieridae)- A first report. *Hexapoda* 26 (1&2):44-47
- xv. Baitha Arun, Tripathi G.M., Singh M.R., **Roy Sharmila**. 2021. Status of invasive woolly aphid management on sugarcane in India. *Hexapoda* 28 (1&2): 94-102
- xvi. Alok Kumar, Jaiswal AK, **Sharmila Roy** and Sushil SN. 2022. Growth Analysis of lac Production During XII Plan vis-a-vis XI Plan Period in Jharkhand, India. *Environment and Ecology* 40 (2): 313—319.

Books or Chapter Published (in last 5 Years)

1.	Role of entomology in sustaining agroforestry productivity. In: Agroforestry: Anecdotal to Modern Science (Eds Dagar JC and Tewari VP).	Roy Sharmila , Roy MM, Saxena P and Bano R.	2018 pp. 691-707.	Springer Nature, Singapore Pte Ltd:
2.	Bioenergy in India: Policies and Prospects. In: Agroforestry: Anecdotal to Modern Science (Eds. Dagar JC and Tewari VP).	Roy MM and Roy Sharmila .	2018 pp. 771-795.	Springer Nature, Singapore Pte Ltd:
3.	Soil micro-arthropods in grassland and agroforestry ecosystems. In: Agroforestry: Anecdotal to Modern Science (Eds Dagar JC and Tewari VP).	Roy Sharmila , Roy MM, Bano R and Saxena P.	2018 pp. 669-689	Springer Nature, Singapore Pte Ltd:
4.	An urgent need to amend copyrights law all over the world. In: Empowering libraries with emerging technologies for common sustainable future. (Eds. MP Singh, PK jain, DC Kar)	AS Yadav, B Prakash, Sharmila Roy , LS Gangwar and AD Pathak.	2019 pp. 545-550.	Variety Books Publisher's Distributors. N. Delhi.
5.	Lac based agroforestry system for degraded land. In: Agroforestry for Degraded Landscapes: Recent Advances and Emerging Challenges (Eds. JC Dagar, SR Gupta and Demel Teketay).	AK Jaiswal, Sharmila Roy and MM Roy.	2019 Pp7-14.	Agroforestry for degraded landscapes: Recent advances and emerging challenges Vol-2. ISBN 978-981-15-6806-0. https://doi.org/10.1007/978-981-15-6807-7_14
6.	Seventy years of Crop Protection Research Achievements at Indian Institute of Sugarcane Research. In: (Eds. Pathak AD, Gangwar LS, Brahm Prakash & Sawnani Anita)	Sharmila Roy , SK Goswami, Chandramani Raj, Shweta Singh, Arun Baitha, Dinesh Singh, SN Susheel, Deeksha Joshi, AK Yadav, Brahm Prakash and Akansha Singh	2022 pp 43-61.	Seven decades of sugarcane research at ICAR-IISR, Lucknow. Pub by ICAR-IISR Lucknow (UP).

Awards