

# 3<sup>rd</sup> International Conference on Plant Science and Agriculture

May 05-06, 2021 | Webinar

## **Phoretic Mites (Acari Mesostigmata) associated with Scarab Beetles in Haryana**

**Abaker M Malik, Sunidhi Pilonia, Krishna Rolania, Surender Singh Yadav, Sova Yadav, Jyoti Indora and Amit Kumar**

CCS Haryana Agricultural University, India

**P**redatory and parasitic mites are likely to assume a great role in Integrated Pest management. As world attention is now focused on finding out self-perpetuating means for managing the agricultural pests, this survey was conducted in different climatic zones of Haryana, India during the monsoon season, 2019- 2020. Different Scarabaeid species were collected using light traps and mechanical handpicking. Among the collected species, phoretic mites (Acari) were found associated with *Onthophagus taurus* and *Catharsius sagax* from Panchkula and Rewari district of Haryana, respectively. Collected phoretic mites successfully parasitized the new host provided namely *Holotrichia serrata* and *Anomala bengalensis* which were dominant Scarabaeid beetles having highest economic importance in Haryana and India.

**Key words:** Scarabaeidae, phoresy, biological control, IPM.

### **Biography**

Abaker M Malik, a Ph.D. Entomology Scholar at CCS Haryana Agricultural University, Hisar, India. He obtained his M.Sc. Entomology in 2015 and B.Sc. Pesticides and Toxicology in 2006 from University of Gezira, Sudan. His doctoral research focused on Isolation and characterization of gut bacteria of white grub in Haryana, M.Sc. on Termites control in Sugarcane and B.Sc. on Effect of some aqueous extract on Rodent control. He has worked on several research projects with Faculty of Agriculture, University of Gezira, Sudan. Moreover, he had worked with IFAD on Training of trainers (TOT) scheme for three years and currently looking for Post-doctoral opportunity at an imperial institute. He also affiliated to the Plant Protection Directorate, Gezira, Sudan as a Pesticides Inspector from 2009 to 2015 and Pest Management Specialist from 2015 to date.

e: malick.termit@yahoo.com

 *Notes:*