

SCIENTIST PROFILE



1. Name & Designation : Dr. S.D. Mohapatra
Senior Scientist
2. Date of Birth : 10th August, 1973
3. Date of joining ICAR : 1st November, 2008
4. Date of joining the present post : 1st November, 2008
5. Qualification (highest degree) : Ph.D (Entomology)
6. Post Doctoral Research Experience/Training:
 - Research Associate in the project ‘Development of biodiversity inventories, pest diagnostics and bio-informatic tools for insects associated with major agricultural crops’ Indian Agricultural Research Institute, New Delhi, India during 2002-2003.
 - Research Associate in the project ‘New approaches to integrated pest management in rainfed rice based production system’ Central Rice Research Institute, Cuttack, India during 2001-2002.
7. Area of Specialization/research interest: Insect Toxicology, Molecular Entomology and IPM
8. Significant Contribution including products and patents (Five bullets):
 - Developed IPM module for spotted pod borer, *Maruca vitrata* in short duration pigeonpea and white grub and cutworm for hill crops of North Western Himalayas.
 - Developed new technique for screening of *Helicoverpa armigera* and *Maruca vitrata* in pigeonpea under no choice condition.
 - Developed new technique for whole plant bioassay of chickpea against *Helicoverpa armigera*.
 - First record of *Maruca* NPV from India isolated from *Maruca vitrata* larvae infesting short duration pigeonpea and *Bracon hebetor*, an ecto parasitoid of *Maruca vitrata* at Kanpur.
 - Isolated, identified and mass multiplied new strain of entomopathogenic nematode as *Sternonema glaseri* from whitegrub, *Holotrichia longipennis* at Ranichauri
9. Awards/Honours:
 - Reviewer of the Indian Journal of Agricultural Sciences, Journal of Food Legumes.
 - Member, Editorial Board, Journal of Biological Forum International, Satya Prakash Publication, New Delhi.
 - Best paper award in National Symposium on ‘Frontier Areas of Entomological Research’ held at Division of Entomology, I.A.R.I., New Delhi during November 5-7, 2003.
10. Publications (10 best):
 - i. **Mohapatra SD** and Chattopadhyay C (2012). Perception of constraints for pigeonpea production in India. **Indian Journal of Plant Protection** 40 (3): 171-174.
 - ii. **Mohapatra SD**, Aswal JS and Kumar S (2012). Relative efficacy of newer acaricide against European Red Mite, *Panonychus ulmi* (Koch) in apple. **Indian Journal of Plant Protection** 40 (2): 109-111.
 - iii. **Mohapatra SD** (2008). Participatory appraisal for biointensive IPM research in Basmati rice: A case study. **Oryza** 45(2): 175-177.
 - iv. **Mohapatra SD** and Srivastava CP (2008). Toxicity of biorational insecticides against spotted pod borer, *Maruca vitrata* (Geyer) in short duration pigeon pea. **Indian Journal of Entomology** 70(1): 61-63.

- v. **Mohapatra SD** and Srivastava CP (2003) Effect of sowing dates and varieties on incidence of *Maruca vitrata* (Geyer) and grain yield in short duration pigeonpea. **Indian Journal of Pulses Research** 16 (2): 147-149.
- vi. **Mohapatra SD** and Sachan GC (2003) Applicability of Przibram's rule to Castor Spiny Caterpillar, *Ergolis merione* Cram. on Castor. **Journal of Applied Zoological Research** 14(1): 82-83.
- vii. **Mohapatra SD** and Srivastava CP (2002). Bioefficacy of chemical and biorational insecticides against incidence of legume pod borer, *Maruca vitrata* (Geyer) in short duration pigeonpea. **Indian Journal of Plant Protection** 30(1): 22-25.
- viii. Srivastava CP and **Mohapatra SD** (2002). Field screening of pigeonpea genotypes against major insect pests. **Journal Applied Zoological Research** 13(2 &3): 202-203.
- ix. **Mohapatra SD** and Srivastava CP (2002). Screening of early maturing pigeonpea genotypes against legume pod borer, *Maruca vitrata* (Geyer). **Journal of Entomological Research** 26(4): 1-5.
- x. **Mohapatra SD** and Sachan GC (2002). Effect of temperature on the head capsule width and head spine length of larvae of *Ergolis merione* Cram. on castor. **Journal of Insect Science** 15(1&2): 58-60.