

CV of Prof. P. K. Sarkar



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Area of Specialization: Agricultural Acarology & Vegetable Pest Management (Ecology & Management)

Fellows: FESI (Fellow of Entomological Society of India), FEAI (Fellow of Acarological Society of India), FWSSI of Weed Science Society of India, FIVSS (Fellow of Indian Vegetable Science Society).

Member: (a) American Chemical Society, Washington, USA.
(b) International Society of Horticultural Sciences, Ghent, Belgium.
(c) The German Plant Protection Society and Plant Health, Berlin, Germany.

Research Publication: 105 till 2008.

1. Sarkar, P.K., Talukder, B. and Somchoudhury, A.K., 2009. Relative efficacy of Diafenthuron 50 WP alone and with two different adjuvants against adults and egg stages of tea red spider mite (*Oligonychus coffeae*) under laboratory condition. *J. Ent. Res.*, 33: 109-112.
2. Ditya, P., Das S.P., Sarkar, P.K. and Bhattacharyya, A., 2010. Degradation dynamics of chlorfenapyr residue in chilli, cabbage and soil. *Bull. Environ. Contam. Toxicol.*, 84: 602-605.
3. Chakraborti, S. and Sarkar, P.K., 2011. Management of *Leucinodes orbonalis* Guenee on egg plants during the rainy seasons in India. *J. Plant. Prot. Res.*, 51: 325-328.
4. Sarkar, P.K., 2011. Invasive coconut perianth mite, *Aceria guerreroronis* Keifer and their sustainable management. *J. Crop Weed*, 7: 184-190.
5. P.K.Sarkar,G.P.Timsina and Sudarsan Chakraborti 2013. Life history traits of *Tetranychus urticae* Koch (Acari:Tetranychidae) on Cowpea *Vigna unguiculata* sub sp. *Cylindrica* L. (Fabaceae:Fabeles). *J. Ent. Res.*, *J. ent. Res.*, 37(2) : 117-122.
6. Chakraborti, S, Sarkar, P.K., Mandal, A.R. and Chakraborty, A., 2013. A safer management strategy of okra pest with emphasis on under-storey repellent crop. *Indian J. Ecol.*, 40: 187-190.
7. Sudarsan Chakraborti,PK.Sarkar And Arunava Chakraborty. 2014. Assessing the impacts of safer management strategies for okra yellow vein mosaic virus (OYVMV) and its white fly vector with emphasis on under –storey repellent crop. *J. ent. Res.*, 38(1) : 7-15.
8. S. Chakraborti and P. K. Sarkar 2014. Studies on efficacy of some acaricidal molecules for the management of *Polyphagotarsonemus latus* (Banks) (Acari: Tarsonemidae) infesting chilli (*Capsicum annuum* L.) in West Bengal. *Current Biotica* 7(4): 299-305.
9. P. K. Sarkar, G. P.timsina , P. Rai and S. Chakraborti 2015. IPM modules of chilli (*Capsicum annuum* L.) in Gangetic alluvial plains of West Bengal. *Journal Crop and Weed*, 11(Special Issue):167-170.

10. G. Chakraborty, D. Roy and P.K. Sarkar 2015. Effect of temperature on duration of different bio-stages of tea red spider mite (*Oligonychus coffeae* Nietner) and eco-friendly field management through a beta-ketonitrile acaricides cyflumetofen 20 SC in tea in Terai, Darjeeling, West Bengal. *The Bioscan*,10(3):1093-1098.
11. P.K. Sarkar and D. Roy 2015. Positioning IPM compatible pre-mix formulation of Cartap hydrochloride 50% SP + Buprofezin 10% EC (KCB-2010) to combat chewing and sucking pests of okra under inceptisol of India. *J. Crop Weed* 11(2):172-180.

Chapter in Books:

1. Senapati, A.K, and Sarkar, P.K. (2002d). “Efficacy of some modern insecticides, acaricides and acaroinsecticides on the mortality of Citrus Leprosis Mite (*Brevipalpus phoenicis* Geij.) infesting Darjeeling Mandarin orange”. In: *Environmental Pollution and Agriculture* (Ed. Arvind Kumar). Ashish Publishing House, New Delhi-110 002.pp-325-329.
2. Sarkar, P.K., Rai, A.B. and Samanta, S.K., 2012. Integrated management of mite pests in vegetable ecosystem. In: *Emerging trends and strategies for the management of pest and diseases in vegetable crops*. (Eds. A.B. Rai, T.M. Shivlingaswami, S. Sathpathy, K.K. Pandey and M. Rai). Indian Institute of Vegetable research, Varanasi.
3. Sarkar, P.K. and Tarafder, J., 2014. Sustainable management of red spider mite (*Tetranychus urticae*) in Swamp taro (*Colocasia esulenta* var. *stolaniferum*) in Gangetic Alluvial plains of West Bengal. In: *Aroids- Opportunities and Challenges*. (Eds. R.S. Mishra, and M. Nedunchezhiyan). Allied Publishers Pvt. Ltd.
4. Sarkar, P.K., 2015. Nursery Pest Management” in *“Handbook of Nursery”* (ed: Prof.T.K.Chattopadhyay), Kalyani Publishers, New Delhi, pp.157-187.

National Seminars/ Symposiums attended:

1. National Symposium on ‘**Integrated Pest Cont. Progress and Perspectives**’ Trivandrum. (1987).
2. National Symposium on “**Environmental Impacts on Animals & Aquaculture** “Kalyani University, May 14-16, 1988.
3. “**First National Seminar on Acarology**”, BCKV (1989) : Jt. Secretary.
4. National Symposium on “**Pesticides: Their application and Environmental Significance**”, 25-26 Feb, 1994, BCKV, Mohanpur.
5. National Seminar on “**Recent Advances Prod. & Post Harvest Technology.:Litchi**” .BCKV. (2004).
6. National Symposium on “**Sustainable Production export Hort. Crops**”, B.C.K.V (2005).
7. National Seminar on “**Indian Spices: Research advances and utilisation**” March 06 – 08, 2007, BCKV.
8. National Symposium on ” **Present status of scientific and technological intervention on the development of medicinal and aromatic plants in India**”. April 26-28,2007, BCKV.

International Seminars/ Symposiums attended:

1. “**International Conference on Biological Control of Vectors with Predaceous Arthropods**”.. Loyala College, Madras, **India** (7-10 Jan,1988)
2. “**International Congress of Acarology**”., Bangalore, **India** (1986)

3. III rd. **“International Conference on Sustainable Agriculture”**, St.Catherines, **Canada**, (August,2005)
4. IV. **“International Conference on Biopesticides”**, Bangkok, **Thailand**.(February,2005)
5. **Canada**. 2005.
6. IUPAC 11th **“International Congress on Pesticide Chemistry”**, Kobe, **Japan**, (August, 2006).
7. **International symposium on Bio-control & Bio-technology**, (Org by: King Monkoot Univ, Ladkrabang). **Thailand**, 2007.
8. **International Confrence on Quality seed and food security**, (Org.by: **Bangladesh Agril.** University, Maimensingh). 2009.
9. **International Congress on Environmental Research**. Org by: University of Mauritius, **Mauritius**, 2010.
10. **ISHS International Symposium on Sustainable Vegetable production in South East Asia**, Salatiga,**INDONESIA**, 2011.
11. **International Pepper Congress**, Florida, **USA**, 2012.
12. **World Biodiversity Congress**, Ching Maei, **Thailand**, 2013.
13. 13th **IUPAC**,Sanfrancisco, **USA**, 2014.
14. 18th **International Plant Protection Congress**, Berlin, **GERMANY**, 2015.