

Dr Ajay Sharma

Assistant Professor

Specialization: Economic Entomology & Pesticide Residues

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Ongoing Research Projects

- Agri drone Project under Sub Mission Mechanization for implementation of its components under drone technology demonstration (Co PI).

Important Research Publications

- Singh S, Gautam H, Dubey JK, Katna S, Sharma A, Brar GS and Devi N. 2022. Bioefficacy of some insecticides against aphids infesting bell pepper. *The Pharma Innovation Journal*11(9):340-344.
- Singh S, Katna S, Sharma A, Devi N, Brar GS, Singh G, Gautam H and Thakur N. 2022. Dissipation pattern and dietary risk assessment of some commonly used insecticides on tomato (*Solanum lycopersicum* L.). *Biomedical Chromatography*, e5372.
- Sharma A, Dubey JK, Katna S, Shandil D, Brar GS and Singh S. 2021. Validation of analytical methods used for pesticide residue detection in fruits and vegetables. *Food Anal. Methods*.
- Dubey JK, Katna S, Shandil D, Devi N, Singh G, Singh G, Singh S, Kaushik E and Sharma A. 2021. Dissipation kinetics and dietary risk assessment of spiromesifen on major summer vegetables using good agricultural practices. *Biomedical Chromatography*. e5085.
- Kumar S, Bharti V, Rana VK and Sharma A. 2021. Seasonal incidence and management of Harar borer *Dichocrocis* sp.
- Katna S, Dubey JK, Patyal SK, Devi N, Chauhan A and Sharma A. 2018. Residue dynamics and risk assessment of Luna Experience® (fluopyram+ tebuconazole) and chlorpyrifos on French beans (*Phaseolus vulgaris* L.). *Environmental Science and Pollution Research*. 25:27594–27605.
- Dubey JK, Patyal SK and Sharma A. 2018. Validation of QuEChERS analytical technique for organochlorines and synthetic pyrethroids in fruits and vegetables using GC-ECD. *Environmental Monitoring and Assessment* 190 (4)231. Impact factor 1.68.
- Dubey JK, Patyal SK, Katna S, Sharma A, Chauhan A and Devi N. 2017. *Residues of Flupyradifurone on Apple Fruits and Soil Pesticide Research Journal*29(2):224-229.
- Sharma A. 2013. Insect Pests of some important fodder trees grown under agroforestry conditions in Solan District of Himachal Pradesh. *Journal of Entomological Research*37(2):181-186.
- Sharma A. 2013. Insect Pests of some important fodder trees grown under agroforestry conditions in Solan District of Himachal Pradesh. *Journal of Entomological Research*37(2):181-186.

Books and Manuals

- Sharma A 2007 A text book of Forest tree Entomology. International book distributors Dehradun pp 194. ISBN Number 81-7089-350-X.
- Sharma A and Chandel RS 2010 Plant Protection Practices in Organic Farming. International Book Distributors Dehradun pp565 ISBN Number 817089365-8.
- Sharma A 2011 Bioecological studies on *Locastra muscolais* Walker (Lepidoptera). Lambert Academic Publishing e book ISBN Number 978-3-659-15438-6.

Awards & Recognitions

- S.K Seth Award given by The Indian Forester for best paper in the field of ecology, environment and allied disciplines for the Year 2005.
- Young Scientist award 2008 given by U.P. Zoological Society for the paper “Effect of botanicals on two spotted spider mite *Tetranychus urticae* Koch (Acari: Tetranychydiae) on sweet pepper *Capsicum annum*. “presented in national Symposium on Emerging trends of Researchers in Insect pest management and environmental safety September 24-25, 2008 at Haridwar.
- First prize for oral presentation for paper entitled “Residue dynamics of combi product LancerGold (Acephate 50% + Imidacloprid 1.8%) on okra and in soil” National Symposium Modern Agro-Technologies for Nutritional Security and Health held at UHF Nauni April 21-23, 2015.