

Bio-Data

Name : Dr. Shubham Yadav
Designation : Specialist (Analytical)
Date of Joining : 07.02.2022
Date of Birth : 20.07.1992
Official Address : Analytical Science Division,
 Institute of Pesticide Formulation
 Technology(IPFT), Sector-20, Udyog Vihar,
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Whether NET qualified : Yes



Educational Qualification

Exam Passed	Institute/University	Year of Passing	Subject	% Mark
Ph. D.	ICAR-Indian Agricultural Research Institute (IARI), New Delhi	2020	Agricultural Chemicals	78.89
M. Sc.	University of Lucknow, Lucknow	2014	Chemistry	60.5
B.Sc.	University of Lucknow, Lucknow	2012	Chemistry, Botany and Zoology	63.84

Experience

Name of the Employer	Designation	Periods		Nature of duties
		From	To	
Institute of Pesticide Formulation Technology, Gurugram, Haryana, India	Specialist (Analytical)	07.08.2022	Till date	1. R&D on Pesticide Formulations Analysis 2. Development of Natural Herbicide from <i>Solanum Virginianum</i> plant 3. GLP (Study Director) 4. NABL (Study Personnel) 5. CRM 6. OPCW PT 7. Pesticide Residue Analysis
UPL Limited, Ankleshwar, Gujarat, India	Research Trainee	18.01.2021	05.02.2022	R&D on Pesticide Formulations: Development of Pesticide Formulations and its Analysis by HPLC, GC and LCMS/MS
Piramal Healthcare Ltd, Ahmedabad, Gujarat, India	Senior Research Associate	19.10. 2015	20.07.2016	R&D on Synthesis, Purification and Characterization of New Molecules by NMR, LCMS, IR, HPLC and TLC
Jubilant Chemsys Ltd, Noida, U.P., India	Research Associate	01.07.2014	07.10.2015	R&D on Synthesis, Purification and Characterization of New Molecules by NMR, LCMS, IR, HPLC and TLC

Ph.D. Thesis Title: Effect of Sugarcane Trash Ash on Fate of Atrazine and Fipronil in Soils.

Fellowship: IARI Merit Scholarship for Ph. D. degree; Rs. 31000/month for 1st & 2nd year and **Rs. 35000/month** for 3rd & 4th

Performance in Competitive Examinations

Name of the Examination	Year	Conducting Organization	Ranks
Specialist (Analytical)	2022	Institute of Pesticide Formulation Technology, Ministry of Chemicals and Fertilizers, Gurugram	Rank- 2 nd
Campus Selection (ICAR- Indian Agricultural Research Institute, New Delhi-110012, India)	2021	UPL Limited, Ankleshwar, Gujarat	Rank- 1 st
Agricultural Research Service (ARS) - 2017	2019	ICAR (ASRB), New Delhi	Rank- 3 rd
Campus Selection (University of Lucknow, Lucknow, India)	2014	Jubilant Chemsys Limited, Noida, U.P.	Rank – 1 st
ICAR-JRF (Plant Biotechnology)	2012	ICAR	Qualified as non-fellowship

Publications:

1. **Shubham Yadav**, Tirthankar Banerjee and Neera Singh (2021) Leaching behaviour of atrazine and fipronil in sugarcane trash ash mixed soils. *International Journal of Environmental Analytical Chemistry*, 1-11. DOI: 10.1080/03067319.2021.1972101, Impact factor- 2.826.
2. **Shubham Yadav** and Neera Singh (2021) Increased sorption of atrazine and fipronil in the sugarcane trash ash–mixed soils of Northern India. *Journal of Soil Science and Plant Nutrition*, 21(2): 1263–1276. <https://doi.org/10.1007/s42729-021-00438-8>, Impact factor- 3.872.
3. **Shubham Yadav** and Neera Singh (2020) Sugarcane trash ash: A low cost adsorbent for atrazine and fipronil removal from water. *Indian Journal of Chemical Technology*, 27(4): 319-325. <http://nopr.niscair.res.in/handle/123456789/55490>, Impact factor- 0.570.
4. Usha Kumari, Tirthankar Banerjee, Neethu Narayanan, **Shubham Yadav** and Neera Singh (2022) Ash and biochar mixed biomixtures to degrade co-applied atrazine and fipronil in bio-augmented biobeds. *International Journal of Environmental Analytical Chemistry*, 1-12, Impact factor- 2.826.
5. **Shubham Yadav**, Shiv Ram Singh, Lal Bahadur, Usha Kumari, Tirthankar Banerjee, Suman Gupta and Neera Singh (2022) Sugarcane Trash Ash Affects Degradation and Bioavailability of Pesticides in Soils. *Sugar Tech*, 1-9, Impact factor- 1.591
6. Deepak Kumar, Deepanshu Jayaswal, Ajay Jangra, Kaushal kishor Mishra and **Shubham Yadav** (2018) Recent approaches for herbicide resistance management in weeds: A review. *International Journal of Chemical Studies*, 6(4): 2844-2850, Impact factor- n/a
7. **Shubham Yadav** (2018) Edible oil adulterations: Current issues, detection techniques and health hazards. *International Journal of Chemical Studies*, 6(2): 1393-1397, Impact factor- n/a
8. Nusrat, **Shubham Yadav**, Samsul Alam, Amrisha Agarwal and Iqbal (2022) Designing of perforated pouches filled with bio-active granules for facile application and extended control of stored grain pests. *Sustainable Food Technology*, Impact factor- n/a (Communicated).
9. **Shubham Yadav**, Ajin S. Anil, Mukesh K. Singh, Sudeep Mishra, Lalitesh Thakur and Jitendra Kumar (2022) Development and Single Laboratory Validation of Ultra-Fast Liquid Chromatography Method for Quantification of Bispyribac sodium and Difenthiuron in Bispyribac sodium Suspension Concentrate (SC) and Difenthiuron Wettable Powder (WP) Formulations. *Journal of AOAC INTERNATIONAL*, Impact factor- 2.028 (Communicated).

Professional Trainings attended

1. Attended the “Reference Material Producers (RMP) Awareness Program” organized by National Accreditation Board for Testing and Calibration Laboratories (NABL), Gurugram, Haryana, India held on 26th April, 2022 at Gurugram.
2. Attended the Training course on “General requirement for the competence of testing and calibrating laboratories as per ISO/IEC 17025:2017” conducted at Institute of Pesticide

Formulation Technology, Gurugram, Haryana, India from 1st June- 03rd June 2022.

3. In house GLP training at Institute of Pesticide Formulation Technology, Gurugram, Haryana, India.

Seminar/Symposia/Conference attended:

- 1st National Agrochemicals Congress: Country's Status on Various Fronts of Agrochemicals, organized by ICAR- IARI, New Delhi, India on 13-16, November, 2019.
- 4th IUPAC International Conference on Agrochemicals Protecting Crops, Health and Natural Environment- "Discovery and Development of Synthetic and Natural Products for Health and Pests Managements" organized by IPFT on 7-10, January, 2020 at ICAR- IARI, New Delhi, India.
- India International Science Festival 2020, organized by Ministry of Science and Technology, Govt. of India on 22-25, December, 2020.
- Golden Jubilee Celebration of The Insecticides Act, 1968 (Promoting Food Safety and Security) organized by IIBAT on 22nd February, 2019 at Hotel Radisson Blu, Faridabad, India.
- XIV Agricultural Science Congress: „Innovations for agricultural transformations“ held at National Agricultural Science Complex, New Delhi during 20-23rd February, 2019.
- "Newer Trends in Physico-Chemical Techniques" held at Department of Chemistry, University of Lucknow on 7th August, 2013.

Prize

First prize in Hindi Nivandh Pratiyogita Organised by Institute of Pesticide Formulation Technology (IPFT), Sector-20, Udyog Vihar, Gurugram, Haryana, India-1220216 on 15/09/2022.

Membership of the Scientific Society

Life membership of 'Society of Pesticide Science (SPS) India', Division of Agricultural Chemicals, Indian Agricultural Research Institute (IARI), New Delhi, 110 012, India.