

## Brief Profile



**Dr. Dinesh K. Yadav**  
**Scientist**

**Prime Minister's Fellow (DST-SERB)**

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### Educational Background

Ph.D (Agricultural Chemicals), ICAR-Indian Agricultural Research Institute, New Delhi (2020); M.Sc (Agricultural Chemicals), ICAR-Indian Agricultural Research Institute, New Delhi (2016). B.Sc. (Ag.) Hons., Junagadh Agricultural University, Gujarat (2014).

### Research Specialization:

Organic Pollutants, Waste Management, Agrochemicals Development, Natural Product Chemistry

### Awards and Honours:

- ❖ SERB-International Travel Support (ITS) Grant for participation in the “12<sup>th</sup> ICPP 2023” at Lyon, France during 20-25, August 2023.
- ❖ SLC Award (2020-2021) for Best PhD Thesis in the field of Agricultural Chemicals by ICAR-IARI (2021)
- ❖ Prime minister’s Fellowship for Doctoral Research by DST-SERB, GOI (2017-2020)
- ❖ Senior Research Fellowship awarded by ICAR-IARI, New Delhi (2016-2017)
- ❖ SPS India Best M.Sc. Thesis Award by Society of Pesticide Science India, ICAR-IARI, New Delhi (2017)
- ❖ Junior Research Fellowship awarded ICAR-IARI, New Delhi (2014-2016)
- ❖ Medal-Cum-Cash Prize by Society of Extension Education, Gujarat (2016)
- ❖ Gold Medal for securing first position in B.Sc. (Ag.) Hons. (2016), Junagadh Agricultural University, Gujarat
- ❖ National Talent Scholarship awarded by ICAR, New Delhi (2010-2014)

### Publications:

- Yadav, D.K.**, Sharma, K., Dutta, A., Kundu, A., Awasthi, A., Goon, A., Banerjee, K., Saha, S., (2017) “Purity Evaluation of Curcuminoids in the Turmeric Extract Obtained by Accelerated Solvent Extraction”. *Journal of AOAC international*, 100 (3), 586-591. DOI:10.5740/jaoacint.17-0057 (**NAAS Score: 8.03**).
- Yadav, D.K.**, Kaushik, P., Pankaj, Rana, V.S., Kamil, D., Khatri, D. and Shakil, N.A. (2019). “Microwave assisted synthesis, characterization and biological activities of ferrocenyl chalcones and their QSAR analysis”. *Frontiers in chemistry*, 7, 814. DOI: 10.3389/fchem.2019.00814 (**NAAS Score: 11.50**).
- Yadav, D.K.**, Tripathi K.P., Kaushik, P., Pankaj, Rana, V.S., Kamil, D., Khatri, D. and Shakil, N.A. (2021). “Microwave assisted synthesis, characterization and biological activities of ferrocenyl chalcones and their QSAR analysis: Part II”. *Journal of Environmental Science and Health, Part B*, 56(1): 82-97. DOI:10.1080/03601234.2020.1838828 (**NAAS Score: 8.00**).

- Yadav, D. K.,** Kumar, A. R., Jayaraman, S., Lenka, S., Gurjar, S., Sarkar, A., ... & Patra, A. K. (2022). Polycyclic aromatic hydrocarbons in diverse agricultural soils of central India: occurrence, sources, and potential risks. *International Journal of Environmental Analytical Chemistry*, 1-15. DOI:10.1080/03067319.2022.2125307 (**NAAS Score: 8.60**).
- Yadav, D. K.,** Kaushik, P., Tripathi, K. P., Rana, V. S., Yeasin, M., Kamil, D., ... & Shakil, N. A. (2022). Bioefficacy evaluation of ferrocenyl chalcones against *Meloidogyne incognita* and *Sclerotium rolfsii* infestation in tomato. *Journal of Environmental Science and Health, Part B*, 57(3), 192-200. DOI:10.1080/03601234.2022 (**NAAS Score: 8.00**).
- Hazarika, A., Yadav, M., **Yadav, D. K.,** & Yadav, H. S. (2022). An overview of the role of nanoparticles in sustainable agriculture. *Biocatalysis and Agricultural Biotechnology*, 102399. DOI: 10.1016/j.bcab.2022.102399 (**NAAS Score: 10.00**).
- Babu, S., Singh, R., Yadav, D., Rathore, S.S., Raj, R., Avasthe, R., Yadav, S.K., Das, .....**Yadav, D.K.** and Singh, V. K. (2022). Nanofertilizers for agricultural and environmental sustainability. *Chemosphere*, 292, 133451. DOI: 10.1016/j.chemosphere.2021.133451 (**NAAS Score: 14.80**).
- Yadav, R. K., Purakayastha, T. J., Kumar, D., Jha, P. K., Mahala, D. M., **Yadav, D. K.,** ... & Vara Prasad, P. V. (2023). Long-term impact of manuring on soil organic matter quality indicators under field cropping systems. *Frontiers in Environmental Science*, 11, 569. (**NAAS Score: 10.60**).
- Saha, M., Sarkar, A., Das, M., Ghosh, A., **Yadav, D. K.,** & Biswas, S. S. (2023). Crop Diversification in Rice-Based Agroecosystem: Medium-Term Effects on Soil Properties, Carbon and Other Nutrients' Stoichiometry, and System Productivity. *Journal of Soil Science and Plant Nutrition*, 1-17. (**NAAS Score: 9.90**).