

## Dr. Ayon Tarafdar



Dr. Ayon Tarafdar is working as a Scientist at the ICAR-Indian Veterinary Research Institute under the Ministry of Agriculture and Farmers Welfare, Govt. of India. He obtained his B. Tech degree in Engineering from IIT Kharagpur, master's from GBPUA&T, Pant Nagar and Ph. D in food engineering from NIFTEM-Kundli.

He has worked on biosynthesis and characterization of nanoparticles as a fully funded researcher at the Washington University in St. Louis, USA.

He has worked in the field of non-thermal food processing operations, bioprocess modelling and optimization, machine learning, food waste valorization, advanced food characterization techniques and precision agriculture.

He has 170+ scientific publications with more than 4700+ citations and a 42 h-index. Dr. Tarafdar has been awarded several meritorious fellowships during his academic journey including the TEQIP-II fellowship, NIFTEM research fellowship, UGC-JRF fellowship, CSIR direct SRF fellowship and SERB-DST international travel grant.

In addition to this, he has been conferred with the young scientist award of the Biotech Research Society of India (BRSI), and best poster and oral presentation awards for his work in several conferences both in India and abroad.

He serves in the Editorial board of the Journal of Food Quality, International Journal of Food Science, International Journal of Chemical Engineering, CyTa-Journal of Food, Journal of Agricultural Engineering and has also served as the Guest Editor of Bioresource Technology and Journal of Food Science and Technology.

He has been cited as World's top 2% scientists as per Elsevier and Stanford reports. Dr. Tarafdar is currently working on the application of machine learning tools in animal weighing, identification and mapping of their production characteristics for profitable precision livestock farming and also on development of nanosorbents for the removal of antibiotic residues from livestock wastewater.