



Name : TRIPTI AGARWAL

Present designation : Assistant Professor

Email and mobile/landline number : [tripti.niftem@gmail.com](mailto:tripti.niftem@gmail.com), 8053306329, 0130-2281236

Educational Qualification with affiliation : PhD in Environmental Sciences, Jawaharlal Nehru University, New Delhi

Post-Doc assignments : Research Fellow, Agroscope Reckenholz-Tänikon Research Station (ART), Zurich, Switzerland (July 2009 - June, 2010).

Working with NIFTEM since : March 2012

Areas of interest : Sustainable food system

and specialisation : Environmental Chemistry

Research projects (ongoing) : Nil

Research projects (Completed) :

- Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated biphenyls (PCBs) in Indian grilled and fried fish products, prevention strategy and dietary risk assessment. Ministry of Food Processing Industries, India. 2021-2023 (29.15 Lakh) as PI
- Development of a protocol for Reduction of acrylamide levels in selected potato based snack foods. Funding agency: Ministry of Food Processing Industries, India. 2018-2020 (25.4 Lakh) as Co-PI.
- Preparation, characterization and evaluation of encapsulated eggplant peel extract in edible oil. Funding agency: Ministry of Food Processing Industries, India. 2018-2020 (31.46 Lakh) as Co-PI.

Books edited : Nil

Research publications (Top 5-10) :

1. Singh, L. and **Agarwal, T.** (2023) Polycyclic aromatic hydrocarbons in cooked (tandoori) chicken and associated health risk. Risk Analysis, 1-19.
2. Shakya, A., Vithanage, M. and **Agarwal, T.** (2022) Influence of pyrolysis temperature on biochar properties and Cr (VI) adsorption from water with groundnut shell biochars: Mechanistic approach. Environmental Research, 114243.

3. Singh, L. and **Agarwal, T.** (2021) Comparative analysis of conventional and greener extraction methods and method validation for analyzing PAHs in cooked chicken and roasted coffee. Food Chemistry 364, 130440.
4. Kashyap, D. and **Agarwal, T.** (2021) Carbon footprint and water footprint of rice and wheat production in Punjab, India. Agricultural Systems 186, 102959.
5. Singh, L. and **Agarwal, T.** (2020) Quantification of polycyclic aromatic hydrocarbons in kitchen depositions by SUPRAS-LC-FLR and human health risk assessment. Environmental Research 187, 109648.

Awards/Fellowships/ Special Attainments :

- Ranked within the top two percentile of scientists in the world (based on a single recent year database) during the year 2021 and 2022. This list of outstanding researchers is prepared by Elsevier BV, Stanford University, USA
- Awarded Postdoctoral Fellowship under Indo-Swiss Joint Research Programme (ISJRP) in the year 2009.