

## **Dr. Nupur Bahadur**

Fellow

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<https://scholar.google.co.in/citations?user=pEXSDCcAAAAJ&hl=en>

### **Research Focus and Current Research Involvements :**

Nupur has wide teaching & research experience in Basic & Applied Chemistry, Nanotechnology, Material Sciences and Water Technology. Her current and future research activities involve design, development and dissemination of highly advanced and resource efficient technologies for Industrial Wastewater Treatment with emphasis on Photocatalysis and Photo-electrocatalysis as Advanced Oxidation Processes (AOPs) for treatment of dissolved, highly toxic, hazardous, non-biodegradable, recalcitrant and persistent organic pollutants (POPs), dye stuff and heavy metals present together in effluents of highly polluting industries like textile & dyeing, tannery, paper & pulp, chemical, petrochemical, oil & gas exploration, pharmaceutical, food & beverage, distillery etc. Currently she is working on DST Water Mission and ONGC Funded Project to develop such a technology and also working with Deakin University on development of photo-catalytic membrane processes.

She has four registered Patents. She obtained her Ph.D. in Chemistry from IIT Roorkee in 2005. She has been actively involved in various academic and administrative committees as reviewer and examiner at University level. In 2017 she was among selected 11 Indians to be part of Korea Foundation Invitation program as India's Next Generation Leaders visit to South Korea.