

Dr Bhanushree Gupta

ERASMUS⁺ FELLOW

Assistant Professor
(Chemistry)

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Research Contributions-

Research Publications-28

Book Chapters – 07

Citations- 517

(h-index)- 12

(i10- index)- 17

Research Project -01 (Funded by
Chhattisgarh Council of Science
& Technology, Raipur)

Research Supervision-

PhD – 04 (Working)

M.Sc. Dissertation – 19

Conferences/

Workshops/Seminars- 31

EDUCATION:

- **2006-2008:** Masters of Sciences, Pt Ravishankar Shukla University Raipur, India
- **2008-2009:** Masters of Philosophy, Pt Ravishankar Shukla University Raipur, India
- **2011-2015:** Ph.D. in Chemical Sciences, Pt Ravishankar Shukla University Raipur, India (CSIR-SRF)

Work Experience:

- **Project Scientist:** Department of Chemistry, Indian Institute of Technology (IIT), Kanpur, India. **(2015)**
- **Research Associate:** Process Technology Development Division, DRDE, Gwalior, India. **(2016 to 2017)**
- **Assistant Professor:** Center for Basic Sciences, Pt Ravishankar Shukla University, Raipur, Chhattisgarh, India **(2017-Present)**

Research Areas:

- **Nanoemulsions and their Applications in Food Preservation**

Essential oils are volatile liquids obtained from aromatic/medicinal plants and responsible for several important biological activities (like anti- oxidant, anti-microbial, anti-inflammatory etc.) of plant. Our group is interested in extraction of essential oils of several spices, herbs and medicinal plants. We are preparing their nano-formulation (nano-emulsions) exploring their applications in various food products (like milk products, fruits and vegetables etc.) through assessment of biological activities.

- **Development of antidotes of organophosphorous compounds**
- **Detoxification and Detection of Toxic Esters**

Awards and Honors

- **Recipient of Fully Funded ERASMUS⁺ Faculty Exchange Program (by European Union) at Czech University of Life Sciences, Prague, Czech Republic **2025**.**
- **Chhattisgarh Young Scientist Award in Chemistry**, 12th Chhattisgarh Young Scientist Congress, Feb. 17-19, **2014** Raipur, India.
- **CSIR Senior Research Fellowship for 2014-2015**.
- **Young Scientist Award (Association of Kineticists Award)**, 50th Annual Convention of Chemists, Dec.3-7, **2013**, Panjab University, Chandigarh India.
- **EUROTOX Fellowship** to attend present poster in EUROTOX **2013**, 49th Congress of the European Societies of Toxicology, Sep. 1-4, Interlaken Switzerland.
- **CSIR Travel award (July 2013)** for attending the EUROTOX **2013**, Sep. Interlaken Switzerland.
- **Young Scientist Award (Association of Kineticists Award)**, 49th Annual Convention of Chemists, Dec.12-15, **2012**, Bhopal (M. P).