

## Curriculum Vitae

### Dr. Rajiv Ganguly

Associate Professor, Department of Civil Engineering

Harcourt Butler Technical University, Kanpur – 208002, UP, India

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### Current Designation

Associate Professor, Department of Civil Engineering, Harcourt Butler Technical University, Kanpur, Uttar Pradesh, India

### Educational Qualifications

Qualification	Institution / University	Year of Completion	Remarks
Ph.D. in Civil/Environmental Engineering	Trinity College Dublin, Ireland	2008	Thesis: Modelling the Impact of Traffic Emissions on Local Air Quality
PG Diploma in Statistics	Trinity College Dublin, Ireland	2007	Awarded
M.E. (Environmental Engineering)	Jadavpur University, India	2003	73.5%
B.E. (Civil Engineering)	Nagpur University, India	2000	71.04%

### Academic and Research Experience

Harcourt Butler Technical University, India (Jan 2022 – Present)  
Associate Professor – Teaching, Research, and Administration

Jaypee University of Information Technology, India (2014 – 2021)  
Assistant Professor – Teaching, Research, and Administration

University of Michigan, USA (2012 – 2013)  
Postdoctoral Researcher – Exposure studies on air pollution and asthmatic children in Detroit

Indus International University, India (2011 – 2012)  
Faculty Member – Teaching and Academic Administration

Kings College London, UK (2010)

Senior Air Quality Scientist – Air pollution reduction strategies for London

Scott Wilson Ltd, UK (2008 – 2010)

Air Quality Specialist – Environmental Impact Assessments and Air Quality Modelling

IIT Guwahati, India (2003 – 2005)

Researcher – Civil/Environmental Engineering projects

### **Funded Research Projects**

1. Title: Development of vehicular emission inventory and associated exposure assessment of air pollutants in Kanpur City, Uttar Pradesh

- Funding Agency: SERB-SURE
- Duration: 3 years
- Amount Mobilized: ₹18.10 Lakhs

### **Courses Taught**

Water Supply Engineering	Undergraduate
Wastewater Engineering	Undergraduate
Environmental Engineering Lab - I	Undergraduate
Environmental Engineering Lab - II	Undergraduate
Air Pollution and Control	Postgraduate
Solid Waste Management	Postgraduate
Industrial Wastewater Treatment	Postgraduate
Hazardous Waste Management	Postgraduate
Environmental Engineering –I	Undergraduate
Environmental Engineering –II	Undergraduate
Theory of Water and Wastewater Treatment Systems	Postgraduate
Design of wastewater Treatment Systems	Postgraduate

## Technical Proficiency

- Air Pollution Software: ADMS 4.1, ADMS Urban, DMRB, CALINE4, GFLSM, STREET, OSPM, AERMOD
- Microsoft Office Tools including MS Project
- Introductory GIS concepts

## Achievements and Honors

Bharatiya Eminence Award by S.C. Ray Educational Trust (2018)

Outstanding Reviewer Award, ASCE Journal of Hazardous Toxic and Radioactive Waste (2019)

Vice-President, Students Gymkhana Council, IIT Guwahati (2004–2005)

Various inter and intra-institutional awards in sports and paper presentations

## Professional Affiliations

Associate Member, Institute of Engineers - India

Associate Member, Institute of Public Health Engineers - India

Student Member, ASCE

Member, International Association of Urban Climate

## Supervision & Mentorship

Doctoral Theses Supervised

Prachi Vasistha (2022): “Water Quality Determination and Modelling of Natural Lakes” [Sole Supervisor]

Disha Thakur (2020): “Characterization and settlement analysis of MSW” [co-supervisor]

Anchal Sharma (2019): “Municipal Solid Waste characterization and analysis in Himachal Pradesh” [Main supervisor]

Rishi Rana (2017): “Municipal Solid Waste Characterization and Analysis in Tricity” [Main supervisor]

## Citation Metrics

Scopus (Author ID: 24437086000):

- Total Citations: 1,732
- H-index: 24
- <https://www.scopus.com/authid/detail.uri?authorId=24437086000>

Google Scholar (User ID: aF0YQcgAAAAJ):

- Total Citations: 2,742
- H-index: 28
- <https://scholar.google.co.in/citations?user=aFOYQcgAAAAJ&hl=en>

## Teaching Philosophy

As an educator, I am committed to fostering critical thinking and adaptability in environmental engineering students. I adopt a teaching methodology that combines foundational theory with experiential learning—labs, case studies, and fieldwork. My aim is to mentor students into confident problem-solvers equipped with technical knowledge and ethical awareness. I regularly update my pedagogical approach based on feedback and participation in faculty development programs.

## Administrative Positions

- Associate Chairman, Maintenance Section – HBTU Kanpur (24/08/2022 – 25/06/2024)
- Chairman, Maintenance Section – HBTU Kanpur (25/06/2024 – Till date)
- Associate Dean, Incubation Hub – HBTU Kanpur (14/02/2024 – 14/10/2025)
- NAAC Coordinator, University Level, for CED – HBTU Kanpur (28/06/2022 – Till date)
- NBA Coordinator, Department Level, for CED – HBTU Kanpur (28/06/2022 – Till date)

## Referees

- Prof Stuart Batterman

Department of Environmental Health Sciences

School of Public Health

University of Michigan

Ann Arbor – 48109

MI, USA

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- Prof Brian Broderick

Department of Civil, Structural and Environmental Engineering

Trinity College Dublin

Dublin-2

Ireland

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- Prof Biswajit Basu

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•Prof Ashok Kumar Gupta

Department of Civil Engineering

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Waknaghat, District Solan

HP – 173234, India

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•Prof Dipteek Parmar

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## Publications

Please refer to the attached comprehensive list of publications including:

- Peer-reviewed journal articles
- Conference proceedings
- Book chapters

For complete details, please refer to the attached document: 'List of Publications\_complete.pdf'.