

Ramanujan College

FACULTY PROFILE

FIRST NAME	Dr. JYOTI	MIDDLE NAME (if any)		PHOTOGRAPH (ATTACH BELOW) 
LAST NAME	KUSHAWAHA			
DEPARTMENT	ENVIRONMENTAL SCIENCE			
DESIGNATION	Assistant Professor			
GENDER	Female			
DATE OF BIRTH DD/MM/YYYY (optional)	15/03/1994			
LANGUAGE PROFICIENCY	English, Hindi			
ADDRESS	Department of Environmental Science, Ramanujan College, Kalkaji			
MOBILE (optional)	8800569927			
EMAIL	jyoti.kush@ramanujan.du.ac.in			
EDUCATIONAL QUALIFICATIONS:				
DEGREE	INSTITUTION		YEAR	
B.Sc.	Banaras Hindu University		2014	
M.Sc.	School of Environmental Sciences, Jawaharlal Nehru University		2016	
M.Phil.	School of Environmental Sciences, Jawaharlal Nehru University		2018	
PhD	School of Environmental Sciences, Jawaharlal Nehru University		2024	

CAREER PROFILE: TEACHING EXPERIENCE		
2.5 year		
CAREER PROFILE: INDUSTRY EXPERIENCE		
N/A		
ADMINISTRATIVE ASSIGNMENTS: (List any administrative roles or responsibilities you have held)		
Member of Eco-Club Member of Sport Committee Member of Shivranjani		
AREAS OF INTEREST / SPECIALIZATION: (Highlight your specific areas of interest or fields of specialization within your subject area)		
Hydrogeochemistry, Groundwater quality, Remote Sensing and GIS, Groundwater modelling		
SUBJECTS TAUGHT: (List all the subjects you have taught)		
<p>Discipline Specific Core</p> <ul style="list-style-type: none"> ● Environmental Physics ● Environmental and Earth Surface Processes ● Natural Hazard and Disaster Management ● Land and Soil: Conservation and Management ● Ecology and Ecosystem ● Restoration Ecology <p>Ability Enhancement Course</p> <ul style="list-style-type: none"> ● AEC-EVS I ● AEC-EVS II 		

Value Addition Course

- Swachhha Bharat
- Science and Society

COURSE DEVELOPMENT: (Mention any courses you have developed or contributed to designing)**RESEARCH GUIDANCE: (Provide details on research supervision, indicating the number of doctoral and postgraduate students guided)****PUBLICATIONS PROFILE: RESEARCH PAPERS (List your published research papers, including the title, journal, and year)**

- Naik, S.R., Masilamani, P., **Kushawaha, J.**, & Jahangeer, J. Investigating the impact of Land Use Land Cover Change on Groundwater Level dynamics in Koraiyar Watershed, Coimbatore District, Tamil Nadu, India. *Frontiers in Water*, 6, 1339613. ***Corresponding Author**
- **Kushawaha, J.**, Nandimandalam, J. R., Madhav, S., & Singh, A. K. (2024). Evaluation of hydrogeochemical processes and saltwater intrusion in the coastal aquifers in the southern part of Puri District, Odisha, India. *Environmental Science and Pollution Research*, 1-28.
- Madhav, S., Kumar, A., **Kushawaha, J.**, Ahamad, A., Singh, P., & Dwivedi, S. B. (2020). Geochemical assessment of groundwater quality in Keonjhar City, Odisha, India. *Sustainable Water Resources Management*, 6(3), 1-11.
- Singh, P., Asthana, H., Rena, V., Kumar, P., **Kushawaha, J.**, & Mukherjee, S. (2018). *Hydrogeochemical processes controlling fluoride enrichment within alluvial and hard rock aquifers in a part of a semi-arid region of Northern India*. *Environmental earth sciences*, 77(12), 475.
- Madhav, S., Ahamad, A., Kumar, A., **Kushawaha, J.**, Singh, P., & Mishra, P. K. (2018). *Geochemical assessment of groundwater quality for its suitability for drinking and irrigation purpose in rural areas of Sant Ravidas Nagar (Bhadohi), Uttar Pradesh*. *Geology, Ecology, and Landscapes*, 2(2), 127-136.

PUBLICATIONS PROFILE: BOOK CHAPTERS (List your published book chapters, including the title, publisher, ISBN and year)

- **Kushawaha, J.,** Borra, S., Kushawaha, A. K., Singh, G., & Singh, P. (2021). Climate change and its impact on natural resources. In *Water Conservation in the Era of Global Climate Change* (pp. 333-346). Elsevier.
- **Kushawaha, J.,** & Aithani, D. (2021). Geogenic Pollutants in Groundwater and Their Removal Techniques. *Groundwater Geochemistry: Pollution and Remediation Methods*, 1-21. Wiley, Online Library
- Aithani, D., **Kushawaha, J.,** & Sreerama Naik, S. R. (2021). Water Quality of Himalayan Rivers in Uttarakhand. In *Water, Cryosphere, and Climate Change in the Himalayas* (pp. 247-258). Springer, Cham.
- Madhav, S., Ahamad, A., Singh, A. K., **Kushawaha, J.,** Chauhan, J. S., Sharma, S., & Singh, P. (2020). Water Pollutants: Sources and Impact on the Environment and Human Health. In *Sensors in Water Pollutants Monitoring: Role of Material* (pp. 43-62). Springer, Singapore.
- Kumari, A., Harshawardhan, R., **Kushawaha, J.,** & Nandi, I. (2022). Spatial Identification of Vulnerable Coastal Ecosystems for Emerging Pollutants. In *Coastal Ecosystems* (pp. 359-386). Springer, Cham.
- Aithani, D., & **Kushawaha, J.** (2024). Heavy Metals Contamination in Environment. *Remediation of Heavy Metals: Sustainable Technologies and Recent Advances*, 15-30.

PUBLICATIONS PROFILE: OTHERS (Mention any other relevant publications details)

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

- Two Weeks Inter-Disciplinary Refresher Course on Environment and Human Health under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching (PMMMNTT), Ministry of Education, from 28th March to 11th April, 2022.

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

Oral Presentation

- “Evaluation of Hydrogeochemical Processes and Saltwater Intrusion in the Coastal Aquifers in the Southern Part of Puri District, Odisha, India.” in 9th International Congress & Exhibition on Arsenic in the Environment, theme: Arsenic and Other Pollutants, Water Security and One Health under Global Climate Change Scenario” (As2024), at KIIT, Deemed to be University, Bhubaneswar, Odisha, India (20-24 October 2024)

Workshop and Refresher Course

- 4-week Faculty Induction/Orientation Programme 20th Sep to 19th Oct, 2023 by TLC Ramanujan College under the aegis of Ministry of education Pandit Madan Mohan Malviya National Mission on Teachers and Training
- 20-day Certificate Course (40 hours) Refresher Course on Shrimad Bhagavad Gita: Enlightenment and Relevance, 22nd Dec 2023 to 10th Jan 2024, BHĀRATAM - Bhārtīya Gyān Paraṁparā: Adhyayan, Adhyāpan Evam Anusāndhān Kendra Ramanujan College, Delhi.
- National Workshop on Brain Balancing and Hypnosis 13th Oct, 2023, by Department of Mathematics, Ramanujan College, Delhi University, New Delhi

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

AWARDS AND DISTINCTIONS:

- Qualified Junior research fellowship (JRF) of CSIR-NET, Erath Science
- Qualified University Grand Commission/National Eligibility Test (UGC/NET), Environmental Sciences

ASSOCIATION WITH PROFESSIONAL BODIES:

OTHER ACTIVITIES: (Include any additional relevant activities or contributions not covered in the above sections.)

