


Ramanujan College

FACULTY PROFILE

FIRST NAME	SANDEEP	MIDDLE NAME (if any)		PHOTOGRAPH (ATTACH BELOW) 
LAST NAME	THAKUR			
DEPARTMENT	Environmental Studies			
DESIGNATION	Assistant Professor			
GENDER	Male			
LANGUAGE PROFICIENCY	English, Hindi, Assamese, Maithili, Bangla, Bodo, Sadri			
ADDRESS	Flat 68, Sector 6, Pocket 1, Dwarka, New Delhi-110075			
EMAIL	sandeep.thakur@ramanujan.du.ac.in			
EDUCATIONAL QUALIFICATIONS:				
DEGREE	INSTITUTION		YEAR	
B.Sc.	Cotton College, Gauhati University		2009	
M.Sc.	Pondicherry University		2012	
PhD	University of Calcutta		2020	
CSIR NET	CSIR		2012	

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CAREER PROFILE: TEACHING EXPERIENCE

1. Assistant Professor, Ramanujan College since 16.08.2023

CAREER PROFILE: INDUSTRY EXPERIENCE

1. Assistant Geologist, Geological Survey of India, Ministry of Mines, from 16.12.2019 to 14.08.2023
2. Senior team Member, RAF Team, Pragma, Gurgaon from 05.05.2014- 28.02.2015
3. Research Intern, National Institute of Disaster Management, New Delhi from 01.02.2014 to 30.04.2014
4. Junior Research Fellow, Central Agricultural Research Institute (CARI), Port Blair from 30.08.2012 to 31.03.2013.

ADMINISTRATIVE ASSIGNMENTS: (List any administrative roles or responsibilities you have held)

AREAS OF INTEREST / SPECIALIZATION: (Highlight your specific areas of interest or fields of specialization within your subject area)

1. Earth & Environmental Sciences
2. Disaster Management, Hazard, Vulnerability and Risk mapping
3. Remote Sensing of the earth processes
4. Coastal Geomorphology & Coastal ecosystem

SUBJECTS TAUGHT: (List all the subjects you have taught)

	Subjects Taught
	Environmental Science: Theory into Practice I
	Environmental Science: Theory into Practice II
	Sustainable Ecotourism & Entrepreneurship
	Climate Change and Environment

	Environmental Impact and Risk Assessment
	Hazards & Disaster Management
	Atmosphere and Climate change
	Remote Sensing and GIS

COURSE DEVELOPMENT: (Mention any courses you have developed or contributed to designing)

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RESEARCH GUIDANCE: (Provide details on research supervision, indicating the number of doctoral and postgraduate students guided)

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PUBLICATIONS PROFILE: RESEARCH PAPERS (List your published research papers, including the title, journal, and year)

Research gate Link: <https://www.researchgate.net/profile/Sandeep-Thakur-8>

Google Scholar Link: <https://scholar.google.com/citations?user=3sbrpeMAAAAJ&hl=en>

<i>SI.No</i>	<i>Title</i>	<i>Authors & Year</i>	<i>Journal Name & Publication</i>	<i>Indexed in</i>
1	Assessing the multi-decadal shoreline dynamics along the Purba Medinipur-Balasore coastal stretch, India by integrating remote sensing and statistical methods	Hossain SK, Mondal I, Thakur S , Linh NTT, Anh DT (2022)	Acta Geophysica & Springer Nature	Scopus
2	Coastal vulnerability assessment of India's Purba Medinipur-Balasore coastal stretch: A comparative study using empirical models	Hossain SKA, Mondal I, Thakur S , Al-Quraishi AMF (2022)	International Journal of Disaster Risk Reduction & Elsevier	Scopus
3	Application of the METRIC model for mapping evapotranspiration over the Sundarban Biosphere Reserve, India	Mondal I, Thakur S , De A, De TK (2022)	Ecological Indicators & Elsevier	Scopus

4	Comparative analysis of forest canopy mapping methods for the Sundarban biosphere reserve, West Bengal, India	Mondal I, Thakur S. , Juliev M., & De TK (2021)	Environment, Development and sustainability, Springer Nature	Scopus
5	Shoreline changes and its impact on the mangrove ecosystems of some Islands of Indian Sundarbans, North- East coast of India	Thakur S. , Bar S, Mondal I, Ghosh P.B., Das P. and De T.K (2020)	Journal of cleaner Production; Elsevier	Scopus
6	Spatio-temporal modelling of shoreline migration in Sagar Island, West Bengal, India	Mondal I, Thakur S. , Juliev M., Bandyopadhyay J., & De T K (2020)	Journal of coastal conservation	Scopus
7	Spatial and seasonal distribution of multi-elements in suspended particulate matter (SPM) in tidally dominated Hooghly river estuary and their ecotoxicological relevance	Mitra S., Sudarshan M., Jonathan MP., Sarkar SK., and Thakur S (2020)	Environmental Science and Pollution Research & Springer Nature	Scopus
8	The Assessment of changes in Land Use Land Cover and Land Surface Temperature in the Mangrove forest of Sundarbans, North-East Coast of India	Thakur S. , Maity D, Mondal I, Basumatary G, Ghosh P.B., Das P. and De T.K, (2020)	Environment sustainability and Development, Springer Nature	Scopus
9	Delineating Lateral Channel Migration and Risk Zones of Ichamati River, West Bengal, India	Mondal I, Thakur S , Bandyopadhyay J(2019)	Journal of cleaner production & Elsevier	Scopus
10	Application of multispectral remote sensing in the study of mangrove ecosystems with special emphasis on Image processing techniques: A Review	Thakur S. , Mondal I, Ghosh P.B., Das P. and De T.K (2019)	Spatial Information Research, Springer Nature	Scopus
11	Shoreline Change Detection Using Remote Sensing in the Bakkhali Coastal Region, West Bengal, India	Thakur S. , Dey D., Das P., Ghosh P.B., De T.K. (2017)	India, Indian journal of Geosciences, GSI, Ministry of Mines	UGC,
12	Influence of anthropogenic activities on the land use patterns of South Andaman Islands	Thakur S. , Dharanirajan K, Ghosh P.B., Das P. and De T.K. (2017)	Research Journal of Marine Sciences, ISCA	
13	A report on salinity-governance of auxospore size in euryhaline diatoms of a well-mixed estuary on North-Eastern Coastal Bay of Bengal	Mukherjee A, Chakraborty S, Das S, Mondal R, Basu S, Thakur S and De TK (2015)	Brazilian Journal of Biological Sciences; ISSN 2358-2731	

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

1. Mondal I., Thakur S., De. A., Bandopadhyay J., De T.K. (2022) Estimating water quality of Sundarban Coastal Zone Area using Landsat series satellite data; River Health and Ecology in South Asia; pp 155-176
2. Mondal I., Thakur S., Ghosh P.B., De T.K. (2021) Assessing the Impacts of Global Sea Level Rise (SLR) on the Mangrove Forests of Indian Sundarbans Using Geospatial Technology; Geographic Information Science for Land Resource Management; Scrivener Publishing Wiley

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

SYMPOSIUM PROCEEDINGS

1. Thakur S., Mondal I, Das P, Ghosh P.B., De T.K. (2018), Time Series Analysis of Shoreline Oscillations and Its Repercussion On the Mangrove Ecosystems Around Bakhali Island in Sundarban Delta, Eastern India, conference proceedings, BIODIVERSE 2018
2. Thakur S., Maity D., Ghosh PB, Das P, De TK (2017), Analyzing Land Surface Temperature Distribution From Land Use Landcover Changes In Sundarbans, India, Conference proceedings, ACRS 2017, <http://www.a-a-r-s.org/acrs/index.php/acrs/acrs-overview/proceedings> 1?view=publication&task=show&id=2785 (Scopus indexed)
3. Mondal I., Thakur S., Ghosh P.B., De T.K., Bandyapadhyay J (2018), Assessing the Impacts of Global Sea Level Rise (SLR) on the mangrove forests of Indian Sundarbans using Geospatial Technology, BIOSPECTRUM 2018, 2nd International Conference on Biotechnology and Biological Sciences
4. Thakur S., Mondal I, Ghosh P.B., De T.K. (2018) Thunderstorm characteristics over the North Eastern Region (NER) of India during the Pre-Monsoon season, 2011 using Geosynchronous Satellite Data, Emerging Technologies in Data Mining and Information Security; Proceedings of IEMIS 2018, Volume 2, Springer publications, ISSN No- 21945357
5. Mondal I., Thakur S., Ghosh P.B., De T.K., Bandyapadhyay J (2018), Land Use/Land Cover Modeling of Sagar Island, India using Remote Sensing and GIS Techniques, Emerging Technologies in Data Mining and Information Security; Proceedings of IEMIS 2018, Volume 2, Springer publications, Springer publications, ISSN No- 21945357
6. Thakur S., Mondal I, Ghosh P.B., De T.K. (2018), Assessment of changes in the environmental components during a Thunderstorm using Automated Weather Station (AWS) data, SPECTRUM 2018 Emerging Trends in Science and Technology, Narosa publications, ISBN – 978-81-8487-642-0
7. Mondal I., Thakur S., Ghosh P.B., De T.K., Bandyapadhyay J (2018), Morphodynamic study of Ichamati River basin using Geospatial Tehniques and its impact on the local environment, SPECTRUM 2018 Emerging Trends in Science and Technology, Narosa publications, ISBN – 978-81-8487-642-0

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

1. Organised Two-day workshop on Hazard Assessment and Disaster Simulation on the 23rd and 24th of September 2024, Department of Environmental Studies, Ramanujan college.

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

S.No.	Details	Place	Period		Sponsoring/Organising Agency
			From	To	
1	4-week Faculty Induction/Orientation Programme	Delhi	2 nd Dec 2023	31 st Dec 2023	TLC Ramanujan College under the aegis of Ministry of education Pandit Madan Mohan Malviya National Mission on Teachers and Training
2	Two Week Inter-disciplinary Refresher Course in “ENVIRONMENTAL SCIENCE	Delhi	29th Aug 2023	12 th Sept 2023	TLC Ramanujan College in collaboration with Raghunath Girls’ Post Graduate College, Meerut under the aegis of Ministry of education Pandit Madan Mohan Malviya National Mission on Teachers and Training
3	Inaugural Ceremony of Faculty Induction Programme NEP 2020: Pedagogical Imperatives for Higher Education	Delhi	1 st Dec 2023	1 st Dec 2023	University of Delhi
4	20-day Certificate Course (40 hours)/Refresher Course on Shrimad Bhagavad Gita: Enlightenment and Relevance	Delhi	22 nd Dec 2023	10 th Jan 2024	BHĀRATAM - Bhārtīya Gyān Paraṁparā: Adhyayan, Adhyāpan Evam Anusandhān Kendra Ramanujan College
5	National Workshop on Brain Balancing and Hypnosis	Delhi	13 th Oct, 2023		Department of Mathematics, Ramanujan College
6	Online Workshop on Species Distribution Modelling	Delhi	11 th May 2024		TGIS, The Geographic Information System Lab, Ahmedabad, Gujarat
7	“Workshop on Fundamental of Research Methodology using Application Software (Online Mode)	Delhi	24 th June 2024	28 th June 2024	Department of Management Studies, NIT Durgapur, India.
8	Webinar on “Global Forest Fire Mechanism and Management - with Special Emphasis to India's Environmental Security”	Delhi	25 th July 2024		Centre for Disaster Risk Reduction (CDRR), School of Internal Security and SMART Policing (SISSP) under the aegis of Rashtriya Raksha University, Gandhinagar, Gujarat.
9	3 day online training workshop on “	Delhi	23 rd	25 th	Department of Geography, Institute of Science, Banaras

	Environmental and Climate data analysis using R”		Sept, 2024	Sept, 2024	Hindu University, Varanasi
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INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

1. Invited as resource person in the workshop “Importance of Avifauna in ecosystem: Identification technique and field Survey methodology” organised by Department of Zoology, Shanti Devi Rajkiya Mahavidyalaya, Jewar on 11.03.2024. Delivered lecture on the “Role of Remote sensing in Biodiversity research”.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

AWARDS AND DISTINCTIONS:

1. DST INSPIRE FELLOWSHIP for pursuing Ph.D.
2. Recipient of PONDICHERRY UNIVERSITY GOLD MEDAL in M.Sc. examinations
3. Recipient of DISTRICT AWARD FOR OUTSTANDING MARKS in high school exams.

ASSOCIATION WITH PROFESSIONAL BODIES:

1. Indian Society of Remote sensing (ISRS)
2. Indian National Science Association (INSA)
3. Indian Red Cross Society (IRCS)
4. International Association for Promoting Geoethics (IAPG)

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

PEER REVIEWER OF THE FOLLOWING JOURNALS

- 1.** Ocean and Coastal management
- 2.** Environment Development and Sustainability
- 3.** Geocarto International
- 4.** Journal of Cleaner Production
- 5.** Spatial information Research
- 6.** Heylion
- 7.** Journal of Coastal Research
- 8.** Advances in Space research