

# RESUME

## DR. TARUN KUMAR THAKUR

Professor & Dean Student's Welfare

Department of Environmental Science

Indira Gandhi National Tribal University, Amarkantak, MP – 484887

(Central University Under Ministry of Education, Govt of India)



**Area of interest:** Remote sensing & GIS, Restoration ecology, Landscape ecology and environment health assessment, Urban ecology, Green House Gas Emissions from Reservoirs/Lakes/Forest catchments, Carbon sequestration, Soil, Water Pollution and Phytoremediation etc.

**Date of Birth** : November 27, 1979

**Gender** : Male

**Marital Status:** Married

**Nationality:** Indian (N9332497)

**Permanent Address:** Village- Niwari, Near Shaktidham MPEB Office, PO- Nainpur, District- Mandla, Madhya Pradesh- 481226 India

**Correspondence Address:** Room No. 108, Science Building, Indira Gandhi National Tribal University, Amarkantak, MP- 484887 India

**E-mail ID:** [tarun.thakur@igntu.ac.in](mailto:tarun.thakur@igntu.ac.in), [dr.tarun.thakur@gmail.com](mailto:dr.tarun.thakur@gmail.com)

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**Google Scholar:**

<https://scholar.google.com/citations?hl=en&user=vj7a8VwAAAAJ&view>

**Research Gate:** <https://www.researchgate.net/profile/Tarun-Thakur-2>

**ORCID:** 0000-0001-9389-1292

**Loop Profile:** 1116553

**Scopus Author ID:** 56191150800

**Official Link:** [https://www.igntu.ac.in/dept\\_env\\_science.aspx](https://www.igntu.ac.in/dept_env_science.aspx)

**Country Visited:** Germany (1), Switzerland (1), Netherland (1), France (1), Belgium (1), Japan (2), Egypt (1), Thailand (1), Srilanka (2), UAE (1), Taiwan (1), Vietnam, (1), Indonesia (1), Uzbekistan (1), South Korea (1), Czech Republic (1), Austria (1), Poland (1)

**Post:** Professor

MSc, PhD, NET

**h-Index:** 27

**i-Index:** 53

**GS Citations:** 1900

**Total Publication:** 115

**Total IF:** >200 (SCI)

**Project:** 11

**International**

**Training/Conferences:**  
25

**Books:** 05

**Consultancy Project:**  
02

**Invited lecture:** 41

## Employment record

12/2019 - Present

### Professor

Department of Environmental Science, Indira Gandhi National Tribal University (Central University), Amarkantak, Madhya Pradesh, India - 484887

(Basic pay: 1,76,600/pm, Level 14)

02/2016 – 12/2019

### Associate Professor

Department of Environmental Science, Indira Gandhi National Tribal University (Central University), Amarkantak, Madhya Pradesh, India - 484887

(Basic pay: 147600/pm, Level 13A)

09/2012 – 02/2016

### Assistant Professor

## Research Publications

#	Category	Published
1.	International Research Papers	90
2.	National Research Papers	25
3.	International Research Abstracts/ Extended Summaries	15
4.	National Abstracts/ Extended Summaries	15
5.	Conference/Symposium attended	27
6.	Scientific Articles	25
7.	Books	04
8.	Manual	05
9.	Training Organised	21
10.	TV talks	09
11.	Invited lecture	15
	<b>Total</b>	<b>251</b>

## External Research Project Sanctioned & handled as PI

#	Project Title	Funding Agency	Amount (in lakh)
1	Land use dynamics and its impact on macroelements, structure, composition and diversity of AABR using satellite Remote Sensing and GIS techniques	MoEF&CC, New Delhi	30.42
2	Land use, composition, structure & diversity characterization of moist tropical forest of MP	UGC, New Delhi	6.00
3	Enhancing Socio-Economic Status of Tribal Community by Identification of Products for Value Addition and Commercialization of Anuppur, Madhya Pradesh	DST-NRDMS, New Delhi	19.30
4	Mushroom Production techniques to the tribal population of Anuppur & Dindori district of MP	MPCST, Bhopal	4.80
5	Mushroom production techniques to the rural community	MPCST, Bhopal	1.00
6	Seminar on Water Revolution	MPCST, Bhopal	0.50
7	Survey, Collection, Domestication, Processing and Training on Medicinal & Aromatic Plants of Amarkantak Biosphere Reserve (ABR) Using Ground technologies	MPSBB, Bhopal	13.94
8	Enhancement of Socio-economic status of Extinct Tribe of Anuppur & Dindori Districts of Madhya Pradesh through Organic Farming )Vermi-compost (in Upper Catchment of Narmada River	MPCST, Bhopal	4.35
9	Strengthening livelihoods of indigenous communities of upper Narmada catchment through scientific collection, processing and sustainable utilization of NTFPs using Remote Sensing and ground methods	DST, New Delhi	15.42

10	Integration of Non-Timber Forest Products (NTFPs) as a means of socio- economic development in selected scheduled areas of Madhya Pradesh	DST, New Delhi	48.0
11	Livelihood Skill training on Bee Farming and Honey Processing in the select villages of Rajendragram at Anuppur District of MP	NABARD	5.58

### Recognition: Award and honours for Research contributions

- ☐ ANRF-DST International travel FELLOWSHIP for Czech Republic (2025)
- ☐ Recipient recognition award of Outstanding accomplishment in obtaining a Patent 2025 by Indira Gandhi National Tribal University, Amarkantak, India on January 26, 2025
- ☐ Recipient Best Researcher Award 2025 by Indira Gandhi National Tribal University, Amarkantak, India on January 26, 2025
- ☐ SEA 2023 Fellowship awarded by National Science & Technology Commission (NSTC), Taiwan, October, 2023
- ☐ Recipient Best Paper Award 2023 by ASDGSC (International Conference), Dubai, UAE (September 2023)
- ☐ Recipient International Titanic Award 2023 by International Council of People, Janparishad & JMBVSS at Dubai, UAE 2023
- ☐ Recipient NESA Fellow Award 2021 by National Environmental Science Academy, New Delhi (2021)
- ☐ Recipient ICTSGS Service Award 2021 during International conference on Technologies for Smart Green Connected Society organized by Yamagata University, Japan 2021.
- ☐ Recipient Best Paper Award in SAEAS 2019 (International Conference), Pattaya, Thailand (2019)
- ☐ Recipient Best Paper Award in National Conference by Environmental Planning & Cooperation Organization (EPCO), Govt of Madhya Pradesh, Bhopal, India (2018)
- ☐ Honour as Chairman during National conference on MIPAM 2017 in IGNTU, Amarkantak, India (2017)
- ☐ Honour as Coordinator during ICER 2016 in S & T Technical session, Lubeck University, Germany (2016)
- ☐ Honour as Coordinator during International conference on BT 2016 in IGNTU, Amarkantak, India (2016)
- ☐ IGNTU- Fellowship for participate International conference, Germany (2016)
- ☐ Honour as Chair during FER 2014 in Technical session, IGNTU, Amarkantak, India (2015)
- ☐ DST-SERB International travel FELLOWSHIP for Japan (2014)
- ☐ Honour as Coordinator during FER 2014 in Technical session, IGNTU, Amarkantak, India (2014)
- ☐ BSR Fellowship UGC Start-Up Grant, India (2013)
- ☐ BioVision.NXT Fellowship by The World Academy of Science, Italy (2012)
- ☐ Selected Top 100 Young Promising Scientist in the World by TWAS in Alexandria, Egypt (2012)
- ☐ Fellowship to participate International conference in Environment & Forestry, Sri Lanka (2009)
- ☐ Received “Young Scientist Award” from CG Council of Science & Technology, India (2006)
- ☐ Best Paper Award, National Biodiversity Board (NBB), India (2005)
- ☐ Best Article Award from Krishak Shrankhla National Agriculture Magazine, India (2005)
- ☐ Best Article Award from Nainpur Times, National Newsletter, MP, India (2004)
- ☐ Best Appreciation Award from Mission Biofuels India Pvt. Ltd, India (2009)

### Academic and Teaching Achievements

- ☐ Research Advisory Group member – Indian Council of Forestry Research & Education (ICFRE), Dehradun, India from August 2024
- ☐ Expert Member, committee for Rejuvenation and restoration of Narmada River by MoEFCC, Govt of India 2020-2023
- ☐ Chairman, Board of studies (BoS), Department of Environmental Science, Central Tribal University of Andhra Pradesh, India since 2021
- ☐ Chairperson, Institutional Ethic & Research Review Committee, Government Medical College, Shahdol, MP since 2019 (Two terms)
- ☐ Chairman, Board of studies (BoS), Department of Environmental Science, IGNTU, Amarkantak, MP, India since 2017 (Two terms)
- ☐ Member of Academic Council, Indira Gandhi National Tribal University, Amarkantak, MP since 2017

- ☐ Member of Research Degree Council of the University (RDCU), IGNTU, Amarkantak since Feb 2021
- ☐ Member Faculty Board, IGNTU, Amarkantak, MP from 2020.
- ☐ Member IUCN-Commission for Ecosystem Management (CEM), Gland, Switzerland 2017-2025
- ☐ Member of Board of studies (BoS), Department of Geology, IGNTU, Amarkantak, MP, India from January 2021
- ☐ Expert Member, District Environment Impact Assessment Authority (DEIAA), Anuppur, MP since 2017-2020
- ☐ Member, Board of Studies (BoS), Department of Environmental Science, Faculty of Natural Science, Sarguja University, CG, India since 2014 to till date (Two terms)
- ☐ Member of Board of studies (BoS), Department of Chemistry, IGNTU, Amarkantak, MP, India from 2017 to 2020
- ☐ Member of Board of studies (BoS), Department of Zoology, IGNTU, Amarkantak, MP, India from August 2019-2022
- ☐ Member of Board of studies (BoS), Department of Botany, IGNTU, Amarkantak, MP, India from August, 2019-2022
- ☐ Member of Board of studies (BoS), Department of Environmental Science, IGNTU, Amarkantak, MP, India since 2015-2017
- ☐ Member of Board of studies (BoS), Department of Environmental Science, IGNTU, Amarkantak, MP, India since 2020-23
- ☐ Life member: Indian Society of Remote Sensing (ISRS), Dehradun, India
- ☐ Life member: Indian Society of Tropical Forestry Scientists (ISTFS), MP, India
- ☐ Life member: Society of Environmental Sustainability (ENVS), Lucknow, India
- ☐ Life member: National Environmental Science Academy (NESA), New Delhi, India
- ☐ Life Member of Bibliotheca Alexandria (BibAlex), Egypt.
- ☐ Member of International Journal of Biodiversity & Conservation (IJBC), Nairobi
- ☐ Observer for University Entrance Examination for 2015, 2016, 2017, 2018 & 2020
- ☐ Assistant Coordinator of University Research Cell, IGNTU Amarkantak, 2013-2015
- ☐ PhD topper in the IGKV University (Secured 8.25/10.0 OGPA)
- ☐ Member of the Biofuels International Newsletter
- ☐ Member of Young Professionals' Platform on Agricultural Research for Development (YPARD)
- ☐ Chief Centre Superintendent of Examinations, Department of Environmental Science since 2016

## Administrative responsibilities

- ☐ Registrar (I/c) of Indira Gandhi National Tribal University, Amarkantak, MP from 30<sup>th</sup> June to 6<sup>th</sup> July 2025 and August 1-3, 2025.
- ☐ Coordinator, Centralized Public Grievance Redress & Monitoring System from May 5, 2025
- ☐ Controller of the Examination (COE), Incharge of Indira Gandhi National Tribal University, Amarkantak, MP from 11<sup>th</sup> April to 20<sup>th</sup> April 2025
- ☐ Dean Student Welfare (DSW), IGNTU, Amarkantak, MP from 27<sup>th</sup> March 2025
- ☐ Chairman, Guest Faculty Interview Board, IGNTU on 30 January 2025
- ☐ Controller of the Examination (COE), Incharge of Indira Gandhi National Tribal University, Amarkantak, MP from 10<sup>th</sup> January to 20<sup>th</sup> January 2025
- ☐ Chairman, Vidyalaya Management Committee, Model Tribal School, IGNTU, Amarkantak, MP from February 2025
- ☐ Member, Vidyalaya Management Committee, Kendriya Vidyalaya, IGNTU, Amarkantak, MP from February 2025
- ☐ Prof I/c Engineering and Development Cell of the University (IGNTU) from December 2024
- ☐ Chairman, University Sports Committee, IGNTU from December 2024
- ☐ Chairman Memorial Lecture Series of the University, IGNTU from December 2024
- ☐ Member, Research Degree Council of the University, IGNTU from February 2024
- ☐ Chief Proctor of the University (IGNTU) from October 2022 to May 2023
- ☐ Prof I/c Estate Section of the University (IGNTU) from November 2022 to August 2023
- ☐ Chief Warden of University (IGNTU) since 28/03/2018 to 17/01/2020
- ☐ Head, Department of Environmental Science, IGNTU from November 2017 to November 2023

- ❑ Chairman, Departmental Research Committee, Department of Environmental Science, IGNTU from November 2017 to November 2023
- ❑ Chairman, Board of studies (BoS), Department of Environmental Science, Central Tribal University of Andra Pradesh, India since 10/02/2022
- ❑ Chairperson, Institutional Ethic & Research Review Committee, Birsa Munda, Government Medical College, Shahdol, MP since 1/12/2019
- ❑ Chairman, Board of studies (BoS), Department of Environmental Science, IGNTU, Amarkantak, MP, India from 3/11/2017 to 3/11/2023
- ❑ Expert member, Departmental Research Committee, Department of Environmental Science, Amity University, Haryana since 2018
- ❑ Director, Extension Services of IGNTU, Amarkantak from April 2021 to May 2022
- ❑ Elected Vice President- IGNTU Teacher's Association for Year 2022-2023
- ❑ Nodal Officer, Krishi Vigyan Kendra (KVK), Anuppur, IGNTU since 6/5/ 2016 to 25/4/2021
- ❑ Nodal Officer, Student's Grievances and Redressal Cell, IGNTU, Amarkantak, MP from April 2014 to May 2023
- ❑ Nodal Officer, Public Grievances for MHRD, GoI from 22/05/2015 to 17/01/2020
- ❑ Nodal Officer for the Creation of Ponds in the IGNTU Campus, Amarkantak, MP from 05/01/2016 to 17/01/2020
- ❑ Deputy Proctor, IGNTU, Amarkantak, MP from November 2021 to September 2022
- ❑ Deputy Proctor, IGNTU, Amarkantak, MP from 07/08/2015 to 06/08/2017
- ❑ Chairman, Republic Day Celebration Committee of IGNTU, Amarkantak, 26<sup>th</sup> January 2022
- ❑ Chairman, 15<sup>th</sup> Foundation Day Celebration Committee of the University, 19<sup>th</sup> April 2022
- ❑ Member Dean Student's Welfare (DSW) from 2020
- ❑ Member of Planning & Development Cell, IGNTU, Amarkantak, MP since 17/11/2015
- ❑ Member of Women Cell/SPARSH, IGNTU, Amarkantak, MP from 2014-2016
- ❑ Member of University Complaint Cell, IGNTU, Amarkantak, MP from 2014-2016

## RESEARCH ASSIGNMENT

**Ph.D. (Forestry) Thesis Title:** Analysis of land use, structure, diversity, biomass production, Carbon & Nutrient storage of a dry tropical forest ecosystem using Satellite Remote Sensing & GIS techniques.

**M. Sc. (Forestry) Thesis Title:** Biomass & productivity in short rotation Eucalyptus (*Eucalyptus tereticornis* L.) provenances.

## PhD Supervision

#	PhD Scholar's	Thesis Title	Supervisor	Status
1	Mr. Gaurav Kr Padwar	Geospatial Study on Land Use and Land Cover Pattern Indices for Phyto Diversity of Achanakmaar Amarkantak Biosphere Reserve, India ( <b>PhD Awarded on 19<sup>th</sup> Dec 2019</b> )	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Awarded
2	Mr. Mahesh K Barya	Phytoremediation of heavy metals from different sources through constructed wetland ( <b>PhD Awarded on 25<sup>th</sup> Nov 2021</b> )	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Awarded
3	Mr. Yogesh Kumar	Estimation of water footprint & C sequestration under different D. Sissoo+E. Officinalis based Agroforestry systems ( <b>PhD Awarded on 16<sup>th</sup> February 2023</b> )	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Awarded
4	Mr. Jiwan Lal	Impact of LU Change on Carbon budget in selected forest of Central India of AABR using current land cover schemes ( <b>PhD Awarded on 4<sup>th</sup> November 2022</b> )	Dr Tarun K Thakur ( <b>Co-Major Advisor</b> )	Awarded



5	Mrs. Veena Meshram	Structure, composition, plant diversity analysis of Amarkantak region ( <b>PhD Awarded on 5<sup>th</sup> Nov 2022</b> )	Dr Tarun K Thakur ( <b>Co-Major Advisor</b> )	Awarded
6	Mrs. Laxmi Singh	Ethnobotanical study of medicinal plants in Balrampur district of Chhattisgarh, India ( <b>PhD Awarded on 5<sup>th</sup> Dec 2024</b> )	Dr Tarun K Thakur ( <b>Co-Major Advisor</b> )	Awarded
7	Mr. Digvesh K Patel	Morphometric analysis of upper catchment area of Narmada river	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Awarded
8	Ms. Sandhya Saini	Ecological assessment of Narmada river and its potential for biodiversity conservation	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Ongoing
9	Ms. Deepika Namdeo	Phytochemical analysis of rare, endangered and threatened medicinal plant species of Central India	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Ongoing
10	Mr. Jitendra Kumar	Heavy metal analysis of Coal mined area of Central India	Dr Tarun K Thakur ( <b>Major Advisor</b> )	Ongoing
11	Mr. Suryakant Nagre	Estimation of agricultural crop production using geospatial, AI models and machine learning algorithms	Dr Tarun K Thakur ( <b>Co-Major Advisor</b> )	Ongoing

### SCIENTIFIC RESPONSIBILITIES:

- ✓ **Editorial Board Member: Scientific Reports Journal (Nature Springer) (SCI, 3.7, Q1)**
- ✓ **Guest Associate Editor: Frontier of Environmental Science (SCI, 4.6, Q2)**  
<https://www.frontiersin.org/research-topics/28215/wetland-ecosystems-as-important-greenhouse-hotspots>
- ✓ **Guest editor: Environmental Science and Pollution Research (SCI, 5.8, Q1)**  
<https://www.springer.com/journal/11356/updates/23201876>
- ✓ **Guest Editor: Land, MDPI (SCI, 3.9, Q2)**  
[https://www.mdpi.com/journal/land/special\\_issues/9S28JLD0D5](https://www.mdpi.com/journal/land/special_issues/9S28JLD0D5)
- ✓ **Guest Editor: Ecohydrology, Wiley (SCI, 2.8, Q2)**
- ✓ Chairman, Board of studies (BoS), Department of Environmental Science, Central Tribal University of Andra Pradesh, India since 10/02/2022
- ✓ Chairperson, Institutional Ethic & Research Review Committee, Birsa Munda, Government Medical College, Shahdol, MP since 1/12/2019
- ✓ Chairman, Board of studies (BoS), Department of Environmental Science, IGNTU, Amarkantak, MP, India since 2017

### REVIEWER OF INTERNATIONAL JOURNAL:

- ✓ Journal of Cleaner production; Ecological Indicator
- ✓ Science of the Total Environment; Scientific Reports
- ✓ Env Sci. Pollu. Res; Agroforestry systems; Water Air & Soil Pollution; Journal of Forestry Research, Environmental Sustainability
- ✓ Renewable & Sustainable Energy Reviews
- ✓ Land Degradation and Development; Eco-Hydrology
- ✓ MDPI (Water; Land; IJERPH; Sustainability; Remote Sensing; Forest; Climate, Food, Energies etc.)
- ✓ PloS One
- ✓ Environment Monitoring and Assessment; African International
- ✓ Frontier in Environmental Science; Frontiers in Plant Sciences

- ✓ International Journal of Ecology
- ✓ Biomass & Bioenergy; Restoration Ecology; Ecological Engineering

## BOOK PUBLISHED (5)

- Kumar, A., Hui, D., Lin, J and **Thakur TK**, 2025. WATER FOOTPRINTS: ACHIEVING SUSTAINABLE DEVELOPMENT GOALS edited by Amit Kumar, Defeng Hui, Junjie Lin, Tarun Kumar Thakur published by Elsevier, Radarweg 29, PO Box 211, 1000 AE Amsterdam, Netherlands, 125 London Wall, London EC2Y 5AS, United Kingdom, 50 Hampshire Street, 5th Floor, Cambridge, MA 02139, United States, ISBN: 978-0-443-30054-7
- Thakur, T. 2016. Tropical forest (Biomass & nutrient pattern). Published by Shree Publishers and Distributors, New Delhi. Pp 1-182. ISBN: 9-788183-296984.
- Thakur, T. 2015. Oyaster Mushroom Ki Utpadan Technique avum Vyavsay. Published by University Publication, New Delhi. Pp 1-156. ISBN: 9-788175-556546.
- Thakur, T. and Thakur, M. P. 2015. Production techniques of tropical mushrooms. Edited book Published by Nirmal Publication (India), New Delhi. Pp 140. ISBN: 978-81-931751-7-0.
- Thakur, T. 2012. Structure and composition of dry tropical forests. Published from LAP Lambert Academic Publishing, Deutschland/Germany. Pp 1-89. ISBN: 978-3-8473-3462-0.

## LIST OF PUBLICATIONS

### Selected International Publications (\*Corresponding author)

S No	Author (s)	Year	Title of paper	Publication details
1.	Sao, A, Sahu, H, <b>Thakur, TK</b> et al.	2025	New insights unveiled: Identifying novel genomic regions governing zinc content in rice for enhanced biofortification	Physics and Chemistry of the Earth, Parts A/B/C 140, September 2025, 104037 <a href="https://doi.org/10.1016/j.pce.2025.104037">https://doi.org/10.1016/j.pce.2025.104037</a> (SCI, IF: 4.1)
2.	Sandhya Saini, <b>Tarun Kumar Thakur</b> , S. Balaswamy, Amit Kumar, Ramesh Raj Pant	2025	Assessing ecological sustainability of the Narmada River using the macrophyte river index	Physics and Chemistry of the Earth, Parts A/B/C Volume 139, September 2025, 103931 <a href="https://doi.org/10.1016/j.pce.2025.103931">https://doi.org/10.1016/j.pce.2025.103931</a> (SCI, IF: 4.1)
3.	<b>TK Thakur</b> , DK Patel, Anita Thakur, Ranu Rathore, KK.Eripogu, Joystu Dutta, M Kumar	2025	Land degradation and ecological restoration in central India: A geospatial and machine learning analysis of coal mining impacts	Trees, Forests and People Volume 21, September 2025, 100927 (SCI, IF: 3.0)

4.	Pradhan, A., Sao, A., <b>Thakur, T.K.</b> Anderson, J.T; Chandel, G. Kumar, A. Paramesh, V. Jinger, D. Kumar, R.	2025	Wetlands as Climate-Sensitive Hotspots: Evaluating Greenhouse Gas Emissions in Southern Chhattisgarh	Water 2025, 17(10), 1553; <a href="https://doi.org/10.3390/w17101553">https://doi.org/10.3390/w17101553</a> (SCI, IF: 3.0)
5.	<b>TK Thakur</b> , DK Patel, S Saini, A Thakur, NK Arora	2025	Evaluation of land degradation vulnerability in coal mined areas of Madhya Pradesh, India using Geospatial and AHP Modeling: A 40-year assessment and eco-restoration of degraded landscape	Environmental Sustainability <b>8</b> , 85–101 (2025). <a href="https://doi.org/10.1007/s42398-025-00347-x">https://doi.org/10.1007/s42398-025-00347-x</a> (SCI, IF: 3.0)
6.	<b>TK Thakur</b> , DK Patel, S Saini, A Thakur, SL Swamy	2025	A geospatial analysis of coal mine overburden reclamation: Land use, carbon stock, biomass, and soil genesis in chronosequence plantations	Journal of Geochemical Exploration Volume 271, April 2025, 107674 <a href="https://doi.org/10.1016/j.gexplo.2025.107674">https://doi.org/10.1016/j.gexplo.2025.107674</a> (SCI, IF: 3.4)
7.	Pant, R.R., Varol, M., Phuyal, S., <b>Thakur TK.</b> , et al.	2025	How Sand Mining is Shaping the Trishuli River in the Himalayas of South Asia.	Earth Syst Environ (2025). <a href="https://doi.org/10.1007/s41748-025-00569-3">https://doi.org/10.1007/s41748-025-00569-3</a> . (SCI, IF: 5.3)
8.	Timalsina, R., Acharya, S., Durin, B., Awasthi, M. P., Pant, R. R., Joshi, G. R., <b>Thakur, TK</b> , and Saqr, A. M.	2025	An Assessment of Seasonal Water Quality in Phewa Lake, Nepal, by Integrating Geochemical Indices and Statistical Techniques: A Sustainable Approach.	Water, 17(2), 238. (SCI, IF: 3.0)
9.	Mayank Pandey, Alka Mishra, Singam L Swamy, James T Anderson, * <b>Tarun Kumar Thakur</b>	2025	Machine learning-Based Monitoring of Land Cover and Reclamation plantations on Coal-Mined Landscape using Sentinel 2 data	Environmental and Sustainability Indicators Volume 25, February 2025, 100585 <a href="https://doi.org/10.1016/j.indic.2025.100585">https://doi.org/10.1016/j.indic.2025.100585</a> (SCI, IF: 5.7)
10.	Swamy, S.L., Mishra, A., Mukherjee, P. GR Sahoo, <b>Thakur Tarun Kumar</b>	2024	Modeling land-degradation vulnerability in coal-mined environs through geospatial and	Environ Sci Pollut Res (2024). <a href="https://doi.org/10.1007/s11356-024-35721-5">https://doi.org/10.1007/s11356-024-35721-5</a> (SCI, IF: 5.8)



			AHP techniques: potential strategies for eco-restoration	
11.	Digvesh Kumar Patel, <b>Thakur, TK*</b> , Anita Thakur, Shankar Karuppannan, Singam L. Swamy, Ramesh Raj Pant	2024	Groundwater Potential Zone Mapping using AHP and Geospatial Techniques in the Upper Narmada Basin, Central India	Discover Sustainability <b>5</b> , 355 (2024). <a href="https://doi.org/10.1007/s43621-024-00560-4">https://doi.org/10.1007/s43621-024-00560-4</a> (SCI, IF: 2.8)
12.	DK Patel, Jiwan Lal, <b>*Thakur, TK</b>	2024	Spatio-temporal analysis of land use land cover changes of dry tropical forest ecosystem of Chhattisgarh, India	Biodiversity Int J. 2024;7(2):63–69. DOI: 10.15406/bij.2024.07.00212
13.	Gupta, AP, Dutta, J, Kerketta, A, Pandey, P, <b>Thakur, TK</b>	2024	Global risks of Microplastics to ecosystem & human health: An emerging environmental disaster	In: Mishra, AK, Raizada, P, Helmy ET, Santhiagu, A., Selvasembian, R. (eds) Environmental Pollution and Degradation Process. Springer, Singapore. Doi.org/10.1007/978-981-97-6461-7
14.	DK Patel, <b>*Thakur, TK</b> , Sandhya S, Adesh Patel, S.C. Bhatt, Amit Kumar, Rupesh K, Fohad MH	2024	Morphometric Indices Assessment: Implications for Active Tectonics in the Upper Narmada Basin, Central India	Physics and Chemistry of the Earth, Available online 17 September 2024, 103746 <a href="https://doi.org/10.1016/j.pce.2024.103746">https://doi.org/10.1016/j.pce.2024.103746</a> (SCI, IF: 3.0)
15.	Mukherjee, P, Dutta, J., Roy, M., Mitra, A., <b>Thakur, TK</b>	2024	Plant Growth-Promoting Rhizobacterial Secondary Metabolites in Augmenting Heavy Metal (Loid) Phytoremediation: An Integrated Green in Situ Ecorestorative Technology	Env. Sci. Pollut. Res DOI: 10.1007/s11356-022-24363-0 (SCI, IF: 5.8)
16.	Patel DK, <b>*Thakur TK</b> , Thakur A, Pandey A, Kumar A, Kumar R, Husain FM.	2024	Quantifying Land Degradation in Upper Catchment of Narmada River in Central India: Evaluation Study Utilizing Landsat Imagery.	Water. 2024; 16, 2440. <a href="https://doi.org/10.3390/w16172440">https://doi.org/10.3390/w16172440</a> (SCI, IF: 3.0)
17.	Shah, M.A.R., Orchard, S., Kreuzberg, E., Braga, D., Das, N., Dias, A., Kandasamy, K.,	2024	Climate mitigation and biodiversity conservation: A review of progress and key issues in global carbon	IUCN, Gland, Switzerland DOI: <a href="https://doi.org/10.2305/WGZI5482">https://doi.org/10.2305/WGZI5482</a> ISBN: 978-2-8317-2285-6

	Kibria, A. SMG., Kumar, A., Min, W. W., Pandey, P., Rais, M., Sahay, S., Saikia, P., Scozzafava, S., Sharma, S.B., Swamy, SL., <b>Thakur, T.K.</b> , Vasseur, L., & Andrade, A.		markets and potential impacts on ecosystems. Gland, Switzerland: IUCN	
18.	Patel DK, Karuppannan S, Sao A, * <b>Thakur TK</b>	2024	Prioritization of sub-watersheds based on quantitative morphometric analysis of the Narmada River, India, using SRTM-DEM and GIS techniques	Biodiversity Int J. 2024;7(1):22–33. DOI: <a href="https://doi.org/10.15406/bij.2024.07.00208">10.15406/bij.2024.07.00208</a>
19.	<b>Thakur TK</b> , Swamy, SL, Dutta, J, Thakur, A., Mishra, A., Sarangi, PK, Kumar, A., Almutairi, B, Kumar, R	2024	Assessment of Land Use Dynamics and Vulnerability to Land Degradation in Coal-Mined Landscapes of Central India: Implications for Ecorestoration Strategies	Front. Environ. Sci. 12 – 2024, <a href="https://doi.org/10.3389/fenvs.2024.1419041">doi: 10.3389/fenvs.2024.1419041</a> (SCI, IF: 3.3)
20.	PK Sarangi, RK Srivastava, Vivekanand, Gulden Goksen, UK Sahoo, <b>Tarun Kumar Thakur</b> , Frederic Debeaufort, Ilke Uysal-Unalan, Arivalagan Pugazhendhi	2024	Recovery of green phenolic compounds from lignin-based source: Role of ferulic acid esterase towards waste valorization and bioeconomic perspectives	Environmental Research 22 May 2024, 119218 ( <a href="https://doi.org/10.1016/j.envres.2024.119218">https://doi.org/10.1016/j.envres.2024.119218</a> ) (SCI, IF: 8.3)
21.	Nikita Yadav, Ojasvi Saini, Nitai Debnath, Satyendra Singh, <b>Tarun Kumar Thakur</b> , Kushagra Rajendra, Ramovatar Meena, Indu Shekhar Thakur, Shaili Srivastava	2024	Optimizing Enhanced Heavy Metal Detoxification by Novel Hybrid Fungal Hyphae-Nano-Biocomposite Functionalized with Graphene Oxide: Unravelling Process Parameters & Adsorption Modelling	Process Safety and Environmental Protection ( <a href="https://doi.org/10.1016/j.psep.2024.05.086">https://doi.org/10.1016/j.psep.2024.05.086</a> ) (SCI, IF: 7.8)
22.	<b>Thakur, TK</b> , Swamy, SL, Thakur, A, Mishra, A, Bakshi, S and Kumar, A	2024	Land Cover Changes and Carbon Dynamics in Central India's Dry Tropical Forests: A 25-Year Assessment and Nature-Based Eco-	Journal of Environmental Management, 351 (2024) 119809 Doi.org/10.1016/j.jenvman.2023.119809 (SCI, IF: 8.7)

			Restoration Approaches	
23.	Rajesh KumarSrivastava, Prakash KumarSarangi, UK Sahoo, Tarun Kumar Thakur, HB Singh, Sanjukta Subudhi	2024	Biocatalysts for biomethanol production: Advancements and future prospects	Applied Chemical Engineering <a href="https://doi.org/10.59429/ace.v7i1.1543">https://doi.org/10.59429/ace.v7i1.1543</a> (SCI, IF: 0.7)
24.	Jiwan Lal, Lalji Singh , <b>*Thakur, TK</b>	2024	Vegetation composition of Achanakmaar Amarkantak biosphere reserve and its ecosystem services	In: Kripal Singh, Milton Cezar Ribeiro and Özgül Calicioglu (Eds): Biodiversity and Bioeconomy: Status Quo, Challenges, and Opportunities <a href="https://doi.org/10.1016/B978-0-323-95482-2.00011-0">https://doi.org/10.1016/B978-0-323-95482-2.00011-0</a>
25.	<b>*Thakur, T.K.;</b> Barya, M.P.; Dutta, J.; Mukherjee, P.; Thakur, A.; Swamy, S.L.; Anderson, J.T	2023	Integrated phytobial remediation of dissolved pollutants from domestic wastewater through constructed wetlands: An interactive macrophyte-microbe-based green and low-cost decontamination technology with prospective resource recovery	Water 15 (22), 3877 <a href="https://doi.org/10.3390/w15223877">https://doi.org/10.3390/w15223877</a> (SCI, IF: 3.4)
26.	SL Swamy, H Darro, A Mishra, Rattan Lal, Amit Kumar, <b>*Thakur, TK</b>	2023	Carbon Stock Dynamics in a Disturbed Tropical Forest Ecosystem of Central India: Strategies for achieving carbon neutrality	Ecological Indicators 154, 110775 <a href="https://doi.org/10.1016/j.ecolind.2023.110775">https://doi.org/10.1016/j.ecolind.2023.110775</a> (SCI, IF: 7.0)
27.	K umar, A., Yu, Z-G., <b>*Thakur, TK</b>	2023	Microplastic pollutants in terrestrial and aquatic environment	Env. Sci. Pollut. Res. 30(36). <a href="https://doi.org/10.1007/s11356-023-29210-4">https://doi.org/10.1007/s11356-023-29210-4</a> (SCI, IF: 5.8)
28.	Pathak, J., Pandey, B., Singh, P., Kumar, R., Kaushik, S., Sahu, I. P., Kumar, A., <b>Thakur, TK</b>	2023	Exploring the Paradigm of Phyto-Nanofabricated Metal Oxide Nanoparticles: Recent Advancements, Applications, and Challenges	Molecular Biotechnology <a href="https://doi.org/10.1007/s12033-023-00799-8">https://doi.org/10.1007/s12033-023-00799-8</a> (SCI IF: 2.7)
29.	A Kumar, <b>*Thakur, TK</b> , ZG Yu	2023	Wetland ecosystems as important greenhouse hotspots	Front.Environ.Sci.10:1127269. <a href="https://doi.org/10.3389/fenvs.2022.11272">https://doi.org/10.3389/fenvs.2022.11272</a> (SCI IF: 5.41)
30.	Pandey, B., Pathak, J., Singh, P., Kumar, R.,	2023	Microplastics in the Ecosystem: An Overview on Detection, Removal,	Water 2023, 15, 51. <a href="https://doi.org/10.3390/w15010051">https://doi.org/10.3390/w15010051</a>

	Kumar, A., Kaushik, S., & <b>Thakur, TK</b>		Toxicity Assessment, and Control Release	(SCI IF: 3.5)
31.	Kumar, A., Mishra, S., Pandey, R., Yu, Z. G., Kumar, M., Khoo, K. S., <b>Thakur, TK</b> , Show, P. L.	2023	Microplastics in terrestrial ecosystems: Un-ignorable impacts on soil characterises, nutrient storage and its cycling	TrAC Trends in Analytical Chemistry, Volume 158, 2023, 116869, ISSN 0165-9936, <a href="https://doi.org/10.1016/j.trac.2022.116869">https://doi.org/10.1016/j.trac.2022.116869</a> . (SCI IF: 14.90)
32.	A Kumar, S Mishra, S Bakshi, P Upadhyay, * <b>Thakur, TK</b>	2023	Response of eutrophication and water quality drivers on greenhouse gas emissions in lakes of China: A critical analysis	Ecohydrology, 16(1), e2483 <a href="https://doi.org/10.1002/eco.2483">https://doi.org/10.1002/eco.2483</a> (SCI IF: 3.16)
33.	A Mishra, SL Swamy, <b>Thakur, TK</b> , A Kumar, M Pandey	2022	Impact of coal mining on land use changes, deforestation, biomass, and C losses in Central India: Implications for offsetting CO <sub>2</sub> emissions	Land Degradation & Development 33, (18): 3731-3747 ( <a href="https://doi.org/10.1002/ldr.4419">https://doi.org/10.1002/ldr.4419</a> ) (SCI IF: 4.70)
34.	M Kumar, A Kumar, <b>Thakur, TK</b> , UK Sahoo, R Kumar	2022	Soil organic carbon estimation along an altitudinal gradient of chir pine forests in the Garhwal Himalaya, India: A field inventory to remote sensing approach	Land Degradation & Development 33, (17): 3387-3400 <a href="https://doi.org/10.1002/ldr.4393">https://doi.org/10.1002/ldr.4393</a> (SCI IF: 4.70)
35.	M Pandey, A Mishra, SL Swamy, * <b>Thakur, TK</b>	2022	Impact of coal mining on land use dynamics and soil quality: Assessment of land degradation vulnerability through conjunctive use of analytical hierarchy process and geospatial techniques	Land Degradation & Development 33, (16): 3310-3324 <a href="https://doi.org/10.1002/ldr.4390">https://doi.org/10.1002/ldr.4390</a> (SCI IF: 4.70)
36.	* <b>Thakur, TK</b> , J Dutta, A Bijalwan, SL Swamy	2022	Evaluation of decadal land degradation dynamics in old coal mine areas of Central India	Land Degradation & Development 33, (16): 3209-3230 <a href="https://doi.org/10.1002/ldr.4383">https://doi.org/10.1002/ldr.4383</a> (SCI IF: 4.70)
37.	Y Kumar, A Thakur, S Bakshi, * <b>Thakur, TK</b>	2022	Soil Organic Carbon and Total Nitrogen Stocks Under Different Land Uses in Achanakmaar-Amkantak Biosphere Reserve, India	In: Kumar, P., Tomar, R.S., Bhat, J.A., Dobriyal, M., Rani, M. (eds) Agro-biodiversity and Agri-ecosystem Management. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-19-0928-3_8">https://doi.org/10.1007/978-981-19-0928-3_8</a> .

38.	<b>Thakur, TK</b> , KK Eripogu, A Thakur, A Kumar, S Bakshi	2022	Disentangling Forest Dynamics for Litter Biomass Production in a Biosphere Reserve in Central India	Front. Environ. Sci., 12 July 2022 Volume 10 - 2022 <a href="https://doi.org/10.3389/fenvs.2022.940614">https://doi.org/10.3389/fenvs.2022.940614</a> . (SCI IF: 5.41)
39.	Mansoori, A., Dwivedi, A., Sharma, K., Dubey, S. K., <b>Thakur, TK</b> , & Kumar, A.	2022	Identification of Potential Inhibitors From <i>Urginea indica</i> Metabolites Against <i>Xanthomonas Oryzae</i> and <i>Magnaporthe oryzae</i> Receptors	Front. Agron. 4:922306. Volume 4 - 2022 doi: 10.3389/fagro.2022.922306 (SCI IF: 3.37)
40.	Tariyal, N., Bijalwan, A., Chaudhary, S., Singh, B., Dhanai, C. S., Tewari, S., & <b>*Thakur, TK</b>	2022	Crop Production and Carbon Sequestration Potential of <i>Grewia oppositifolia</i> -Based Traditional Agroforestry Systems in Indian Himalayan Region	Land 2022, 11(6), 839; <a href="https://doi.org/10.3390/land11060839">https://doi.org/10.3390/land11060839</a> . (SCI IF: 3.90)
41.	MP Barya, A Kumar, <b>Thakur, TK</b>	2022	Utilization of constructed wetland for the removal of heavy metal through fly ash bricks manufactured using harvested plant biomass	Ecohydrology Volume15, Issue4 June 2022e2424 <a href="https://doi.org/10.1002/eco.2424">https://doi.org/10.1002/eco.2424</a> (SCI IF: 3.16)
42.	Rawat, S., Khanduri, V. P., Singh, B., Riyal, M. K., <b>Thakur, TK</b> , Kumar, M., & Cabral-Pinto, M. M.	2022	Variation in carbon stock and soil properties in different <i>Quercusleucotrichophora</i> forests of Garhwal Himalaya	CATENA, Volume 213, 2022, 106210, ISSN 0341-8162, <a href="https://doi.org/10.1016/j.catena.2022.106210">https://doi.org/10.1016/j.catena.2022.106210</a> . (SCI IF: 6.20)
43.	<b>*Thakur, TK</b> , Dutta, J., Upadhyay, P., Patel, D. K., Thakur, A., Kumar, M., & Kumar, A.	2022	Assessment of land degradation and restoration in coal mines of central India: A time series analysis	Ecological Engineering Volume 175, February 2022, 106493 <a href="https://doi.org/10.1016/j.ecoleng.2021.106493">https://doi.org/10.1016/j.ecoleng.2021.106493</a> (SCI IF: 4.37)
44.	Dutta, J., Zaman, S., <b>*Thakur, TK</b> , Kaushik, S., Mitra, A., Singh, P., & Datta, R.	2022	Assessment of the bioaccumulation pattern of Pb, Cd, Cr and Hg in edible fishes of East Kolkata Wetlands, India	Saudi Journal of Biological Sciences Volume 29, Issue 2, February 2022, Pages 758-766 <a href="https://doi.org/10.1016/j.sjbs.2021.09.039">https://doi.org/10.1016/j.sjbs.2021.09.039</a> (SCI IF: 4.62)
45.	Alka Mishra, SL Swamy, <b>*Thakur, TK</b> , Rajeev Bhat, Arvind Bijalwan and Amit K	2021	Use of Wild Edible Plants: Can They Meet the Dietary and Nutritional Needs of Indigenous Communities in Central India	Foods 2021, 10(7), 1453; <a href="https://doi.org/10.3390/foods10071453">https://doi.org/10.3390/foods10071453</a> (SCI IF: 5.12)
46.	N. Singh, A. Mansoori, G. Jiواني,	2021	Antioxidant and antimicrobial study of <i>Scheffleravinos</i> leaves	Arabian Journal of Chemistry, Volume 14, Issue 7, July 2021,

	A. Kumar, <b>Thakur, TK</b>		crude extracts against rice pathogens.	103243 <a href="https://doi.org/10.1016/j.abjc.2021.103243">https://doi.org/10.1016/j.abjc.2021.103243</a> (SCI IF: 6.20)
47.	A. Bijalwan, K. Bahuguna, A. Vasishta, A. Singh, S. Chaudhary, A. Dongriyal, * <b>Thakur, TK</b>	2021	Growth Performance of <i>Ganoderma lucidum</i> using billet method in Garhwal Himalaya, India	Saudi Journal of Biological Sciences Volume 28, Issue 5, May 2021, Pages 2709-2717 <a href="https://doi.org/10.1016/j.sjbs.2021.03.030">https://doi.org/10.1016/j.sjbs.2021.03.030</a> (SCI IF: 4.129)
48.	Sahoo, G., Swamy, SL, Mishra, A and <b>Thakur, TK</b>	2021	Effect of seed source, light and nitrogen levels on biomass and nutrient allocation pattern in seedlings of <i>Pongamia pinnata</i>	Environ Sci Pollut Res 28, 15005–15020 (2021). <a href="https://doi.org/10.1007/s11356-020-11734-8">https://doi.org/10.1007/s11356-020-11734-8</a> (SCI IF: 5.80)
49.	<b>Thakur, TK</b> , Patel, D. K., Dutta, J., Kumar, A., Kaushik S., Bijalwan, A.	2021	Assessment of Decadal Land Use Dynamics of Upper Catchment Area of Narmada River, the lifeline of Central India	Journal of King Saud University - Science Volume 33, Issue 2, March 2021, 101322 <a href="https://doi.org/10.1016/j.jksus.2020.101322">https://doi.org/10.1016/j.jksus.2020.101322</a> (SCI IF: 4.01)
50.	Kumar, S., Bijalwan, A, * <b>Thakur, TK</b> ,	2021	Comparison of Carbon Sequestration Potential of <i>Quercus leucotrichophora</i> Based Agroforestry Systems and Natural Forest in Central Himalaya, India	Water Air Soil Pollut 232, 350 (2021). <a href="https://doi.org/10.1007/s11270-021-05294-x">https://doi.org/10.1007/s11270-021-05294-x</a> (SCI IF: 2.90)
51.	Dutta, J., Sen, T., <b>Thakur, TK</b> and Mitra, A.	2021	Lead and Cadmium induced toxicity on environment and human health with special reference to peri-urban Ramsar site of India.	Apple Academic Press, eBook ISBN9781003187455 <a href="https://doi.org/10.1201/9781003187455">https://doi.org/10.1201/9781003187455</a>
52.	<b>Thakur, TK</b> , Patel, D. K., Bijalwan, A., Dobriyal, M. J., Kumar, A., Thakur, A., Bohra, A. and Jahangeer, B.	2020	Land use land cover change detection through geospatial analysis in an Indian Biosphere Reserve	Trees, Forests and People Volume 2, December 2020, 100018 <a href="https://doi.org/10.1016/j.tfp.2020.100018">https://doi.org/10.1016/j.tfp.2020.100018</a> (SCI IF: 2.70)
53.	Mansoori, A., Singh, N., Dubey SK, <b>Thakur, TK</b> , Alkan, N, Das, SN and Kumar A.	2020	Phytochemical Characterization and Assessment of Crude Extracts From <i>Lantana camara</i> L. for antioxidant and Antimicrobial Activity.	Front. Agron. 2:582268. doi: 10.3389/fagro.2020.582268 (SCI IF: 3.37)



54.	Barya, M P, Gupta, D., <b>Thakur, TK.</b> , Shukla, R., Singh G and Mishra, V K.	2020	Phytoremediation performance of Acorus calamus and Canna indica for the treatment of primary treated domestic sewage through vertical subsurface flow constructed wetlands A fieldscale study	Water Practice and Technology (2020) 15 (2): 528–539. <a href="https://doi.org/10.2166/wpt.2020.042">https://doi.org/10.2166/wpt.2020.042</a> (SCI IF: 1.20)
55.	Barya, M P, Gupta, D., Shukla, R., <b>Thakur, TK.</b> , and Mishra, V K.	2020	Phytoremediation of Heavy metals from mixed domestic sewage through vertical subsurface flow constructed wetlands planted with Acorus calamus and Canna indica.	Current World Environment, Vol. 15, No. (3) 2020, Pg. 430-440, <a href="http://dx.doi.org/10.12944/CWE.15.3.06">http://dx.doi.org/10.12944/CWE.15.3.06</a>
56.	Bijalwan, A., Dobriyal, M. and <b>*Thakur, TK.</b>	2020	Silviculture and Agro forestry: why merger in the era of super specialization	Biodiversity Int J.4 (3) 138–139. DOI: 10.15406/bij.2020.04.00175
57.	<b>Thakur, TK.</b> , Swamy, S.L., Bijalwan, A.	2019	Assessment of biomass and net primary productivity of a dry tropical forest using geospatial technology	J. For. Res. 30, 157–170 (2019). <a href="https://doi.org/10.1007/s11676-018-0607-8">https://doi.org/10.1007/s11676-018-0607-8</a> . (SCI IF: 3.00)
58.	Bijalwan, A., Verma, P., Dobriyal, MJR, Patil, AK, <b>Thakur, TK</b> and Sharma, CM.	2019	Trends and Insight of Agroforestry Practices in Madhya Pradesh, India.	Current Science, 117, (4) (25 August 2019): 597-605 DOI: 10.18520/cs/v117/i4/597-605 (SCI IF: 1.16)
59.	<b>*Thakur, TK</b>	2018	Diversity, composition and structure of understory vegetation in the tropical forest of Achanakmaar Biosphere Reserve, India.	Environmental Sustainability 1, 279–293 (2018). <a href="https://doi.org/10.1007/s42398-018-00028-y">https://doi.org/10.1007/s42398-018-00028-y</a>
60.	Verma, P., Bijalwan, A., Dobriyal, M. J., Swamy, S. L., & <b>Thakur, TK</b>	2017	A paradigm shift in Agroforestry practices in Uttar Pradesh.	Current Science, 509-516 DOI: 10.18520/cs/v112/i03/509-516 (SCI IF: 1.16)
61	<b>*Thakur, TK</b> , Swamy, S.L. & Nain, A.S.	2014	Composition, structure & diversity analysis of dry tropical forest of Chhattisgarh using Satellite data.	Journal of Forestry Research 25, 819–825 (2014). <a href="https://doi.org/10.1007/s11676-014-0486-6">https://doi.org/10.1007/s11676-014-0486-6</a> (SCI IF: 3.00)

**Invited Lecture/Session Chaird/Resource Person:**


<b>S. No</b>	<b>Webinar/Workshop/Training Programme/RC/OC etc. with details</b>	<b>Organized by</b>	<b>In Capacity</b>
1	Negative emission technologies 13/12/2024	MMTTC, IGNTU, Amarkantak, MP	Resource person
2	Spatial-temporal changes of LULC, CO <sub>2</sub> Emission, Land surface temperature and Land degradation in protected areas of Central India 3/12/2024	FIP, MMTTC, IGNTU, Amarkantak, MP	Resource person
3	Ethical Issues in Biomedical Research involving Human Participants on dated 19/09/2024	IGNTU, IEC, Amarkantak, MP, India	Trainer/Resource person
4	Land use dynamics and C stock changes: Exploring pathways for C Neutrality on dated April 3, 2024	International conference on Future aspects of Science & Technology at Kalinga University, Raipur, CG, India	Key note speaker
5.	Land use changes and Carbon dynamics: Towards a negative emissions technology on dated 24 <sup>th</sup> January 2024	National Seminar on Frontier areas of Research in Forest & Wildlife Sciences at GGU, Bilaspur, CG, India	Resource person
6	Impact of Climate Change on AFOLU on dated 20 <sup>th</sup> Feb 2024	HRDC, Guru Ghasidas University, Bilaspur	Resource person
7	Negative emission technologies: Trends and challenges on dated 12/12/2023	HRDC, Dr Hari Singh Gaur University Sagar, MP	Resource person
8	10 <sup>th</sup> International conference on Achieving SDGs through society communities on dated 24-28 September 2023	International council of People, USA, Janparishad and GNSD, USA	Resource person
9	Two days National Seminar on Tribal Development in Chhattisgarh, India on dated 04-05 August 2023	CV Raman University, Kota, CG, India	Key note speaker
10	Two days National Conference on Causes, effects and solutions to Environmental degradation on dated 22-23 June 2023	Bhanupratap Deo Govt. PG Govt College, Kanker, CG, India	Key note speaker
11	Environmental pollution and land degradation	HRDC, Guru Ghasidas University, Bilaspur	Resource person
12	Land use, CO <sub>2</sub> emissions, Land degradation assessment by RS and GIS techniques	HRDC, Guru Ghasidas University, Bilaspur	Resource person
13	International conference on Geoinformatics for Biodiversity Conservation Planning on Dated 14 October 2022	Suresh Gyan Vihar University (SGVU), Jaipur, India	Key note speaker /Resource person
14	Local Groundwater issues and management" at Indira Gandhi National Tribal University, Amarkantak on dated 13/12/2022	Central Ground Water Board, North Central Region, Bhopal, Ministry of Jal Shakti, Government of India	Coordinator and as Speaker
15	National Conclave on Science & Technology Empowerment of Tribal Community on dated 11-12 November 2022	Indian Institute of Technology (IIT), Guwahati, Assam, India	Resource person

16	International congress in ECSSDG 2021	Yamagatta University, Yamagata, Japan from 29-30 November 2021	Chairman
17	Geospatial technology in the field of Environmental Science	Department of Environmental Science, Sant Guru Gahira University, Ambikapur, Surguja, CG on dated September 2021	Resource person
18	SDG and Disaster Management	HRDC College, Ranchi on 29/11/2021	Resource person
19	International Webinar on Impact of Lockdown due to Covid19 on Environmental aspect	Govt. Nehru Degree College, Budhar. MP: 24 August 2020	Resource person
20	International congress in SAEAS 2019	Royal Patronage University, Pattaya, Thailand at Pattaya, Thailand from 25-27 September 2019	Resource Person
21	Opportunities in the field of Environmental Science	Department of Environmental Science, Sant Guru Gahira University, Ambikapur, Surguja, CG, September 2019	Resource person
22	Special lecture on LULC dynamics and its impact on Forest, structure, composition and diversity	Department of Forestry IGKV, Raipur, CG, 18 March 2020	Resource person
23	Refresher Course: Lecture 1. Remote Sensing, GIS and Its application in Forest & Environment	HRDC, PL. Ravishankar Shukla University, Raipur dated 15 October 2020	Resource person
24	National webinar on NRM and my topic of presentation: Land use dynamics and its impact on species composition. diversity and carbon sequestration of tropical forests	Uttar Banga Krishi Vishwavidyalaya (UBKV), Cooch Bihar, West Bengal India 15 October 2020	Resource person
25	Lecture II: Environmental Degradation: Concerns and Challenges	HRDC, Pt. Ravishankar Shukla University, Raipur on dated 16 October 2020	Resource person
26	Training programme on Nutrient status in Agroforestry	State Agricultural Administration, MP State Govt, Bhopal, 7 October 2020	Resource person
27	Training programme on Water management in Agroforestry	State Agricultural Administration, MP State Govt., Bhopal; 7 October 2020	Resource person
28	International Webinar on Botany and my topic of presentation: Impact of Lockdown due to Covid 19 on Forest and Environment in India	Govt. Kaktiya PG College, Department of Forestry, Baster, Jagdalpur, CG: 29 June 2020	Resource person
29	National Webinar on Environmental Degradation and Challenges	Govt. RMD Girls PG College Ambikapur: 6 July 2020	Resource person
30	International Webinar on Impact of Lockdown due to Covid19 on Environmental aspect	Govt. Nehru Degree College, Budhar. MP: 24 August 2020	Resource person
31	Application of Geospatial Techniques for Sustainable Management of Natural of Natural Resources	College of Agriculture, Katghora, IGKV, Raipur 20 January 2021	Resource person

32	Traditional Medicine and Geospatial Modeling Medicinal & Aromatic Plants Achanakmaar Amarkantak Biosphere Reserve (AABR) India	Govt. College. Timaria, Harda, MP 16/03/2021	Resource person
33	International webinar on World Environment Day (Department of Environmental Science. Convener)	Department of Environmental Science IGNTU, Amarkantak (5 June 2020)	Convener
34	National Webinar on Self-Reliant India.(Dr. Tarun K Thakur. Convener)	Innovation Club of IGNTU, Amarkantak, MP (14-15 July 2020)	Convener
35	International webinar on mathematics Chairman in Technical session	Department of Mathematics, IGNTU. Amarkantak, MP (25 January 2021)	Resource person
36	Land use dynamics and its impact on species composition, diversity and carbon sequestration of tropical forests	BCKV, Cooch Bihar, West Bengal, WB on January 2021	Resource person
37	Geospatial technology in the field of Environmental Science	Department of Environmental Science, Sant Guru Gahira University, Ambikapur, Surguja, CG on dated September 2021	Resource person
38	SDG and Disaster Management	HRDC College, Ranchi on 29/11/2021	Resource person
39	Environmental Degradation: Challenges and Opportunities	Department of Forestry, IGKV, Raipur 17/03/2020	Resource person
40	Application of Geospatial technology in the field of Forestry and Environmental Science	Department of Forestry, IGKV, Raipur September 2019	Resource person
41	Prospectus of Environmental Science	Department of Environmental Science, Sant Guru Gahira University, Ambikapur, Surguja, CG September 2019	Resource person

I hereby declared that the information furnished above is true to best of my knowledge.

**Place: Amarkantak, MP**  
**Date: July, 2025**

  
**Signature of the candidate**  
**(Tarun Kumar Thakur)**