

**Dr. Mohit Kumar**  
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**Next Research**  
**Elsevier**

(<https://www.sciencedirect.com/journal/next-research/about/editorial-board>)

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#### **EDUCATION**

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##### **Ph.D., Remote Sensing, 2018**

Nirma University, Ahmedabad, Gujarat, India

- Topic: Mangrove Cover Dynamics and Community Zonation in Gulf of Kachchh: A Study based on Synergistic Use of Optical and Microwave Satellite Data
- Guide: Dr A S Rajawat, Former Scientist 'G' and Group Director, Space Applications Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad, Gujarat, India

##### **M.Sc. Botany, 2007**

Lalit Narayan Mithila University, Darbhanga, Bihar, India

- I Division with 69.94%
- Achieved 1<sup>st</sup> Rank in the University

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## EXPERIENCE/PROFESSIONAL RECORD

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- Working as an Assistant Professor at the Department of Geography, Adamas University, Barasat-Kolkata, West Bengal, India since 10 March 2025. Teaching Geoinformatics to undergraduate and postgraduate students. I am also empaneled as a PhD Supervisor here.
- Working as Scientific Editor with Next Research, an Elsevier journal since 29 July 2025.
- Worked as ‘Visiting Faculty’ at Symbiosis Centre for Management Studies (SCMS), Symbiosis International (Deemed University), Nagpur, Maharashtra, India during 16 December 2024 to 18 February 2025. Course taught: ‘Sustainability Studies’ to undergraduate students.
- Worked as ‘Visiting Faculty’ at the School of Interwoven Arts and Sciences (SIAS), Krea University, Sricity, Andhra Pradesh, India during 15 July 2024 to 27 September 2024. Course taught: ‘Introduction to GIS’ to undergraduate students.
- Worked as ‘Visiting Faculty’ at Symbiosis Centre for Management Studies (SCMS), Symbiosis International (Deemed University), Nagpur, Maharashtra, India during 26 December 2023 to 10 April 2024 to teach ‘Core Environmental Studies’ to BBA students.
- Worked as Research Analyst at Integrated Research and Action for Development (IRADe), New Delhi, India from 15 July 2015 to 14 July 2023.
- Worked as Project Assistant at Gujarat Environment Management Institute (GEMI), Gandhinagar, Gujarat, India from 01 January 2015 to 10 July 2015.
- Worked as Junior Research Fellow (JRF) at Geo Sciences Division, Space Applications Centre (SAC), Indian Space Research Organisation (ISRO), Ahmedabad, Gujarat, India from 13 November 2009 to 12 November 2014.
- Worked as Science Teacher at Darbhanga Central School, Darbhanga, Bihar, India from 23 July 2007 to 17 August 2008.

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## ACHIEVEMENTS

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- Achieved 1<sup>st</sup> Rank in the University in M.Sc.
- Awarded Fellowship by Space Applications Centre (SAC), Indian Space Research Organisation (ISRO) in 2009.
- Qualified GATE-2011.
- Qualified UGC-NET for eligibility for lectureship in Environmental Sciences held in Dec 2012.

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## Thesis/Papers/Articles/Abstracts Published

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### PhD Thesis

- **Mohit Kumar** (2018) “Mangrove Cover Dynamics and Community Zonation in Gulf of Kachchh: A Study based on Synergistic Use of Optical and Microwave Satellite Data.”. <http://hdl.handle.net/10603/224735>.

**Papers Published in International/National Journals: 10**

- Latika Pinjarkar, Gagandeep Kaur, Poorva Agarwal, Nitin Rakesh, Sarika Keswani and **Mohit Kumar** (2026) “Understanding Climate Change at the Local Scale: A Data-Driven Study of Chandrapur, Maharashtra”. International Journal of Environmental Impacts, Vol 9, No. 2, pp 506-515, DOI: <https://doi.org/10.56578/ijeio90215>.
- Sarika Keswani, Narmada Mariayala, **Mohit Kumar**, Vipra Dhingra (2025) “Association among Financial Development, Economic Growth, Ecological Footprint, and Carbon Emissions in India: A VECM Analysis”. Cogent Social Sciences, 11, 1, pp 1-15, DOI: 10.1080/23311886.2024.2448769.
- Piyush Tiwari and **Mohit Kumar** (2022) “Impact of Future Sea Level Rise on Coastal Real Estate and Infrastructure in India: An Agenda for Policy and Research”. SHELTER (ISSN: 23474912) – a journal of HUDCO (Housing and Urban Development Corporation), 23, 2, pp 43-52. Available at <https://hudco.org.in/writereaddata/EB/HUDCO-SHELTER-OCT22/HUDCO-SHELTER-OCT22.html>.
- Ajit Tyagi, **Mohit Kumar**, S C Bhan, Rohit Magotra and Yashi Sharma (2021) “Review of Urban Heat Islands: Monitoring, Forecasts and Impacts”. Vayu Mandal: Bulletin of Indian Meteorological Society (ISSN: 0970-1397, NAAS Score: 2.60), 47, 2, pp 1-28.
- Rohit Magotra, Pushkar Pandey, **Mohit Kumar**, Mohit Kumar Gupta, Asha Kaushik, Jyoti Parikh (2020) “Role of Marine National Park for Sustainable Livelihoods of Artisan Fisherfolk: A Case Study of MNP, Jamnagar”. Ecology, Economy and Society-the INSEE Journal (ISSN: 2581-6152), Vol. 3, 2354-2020-1259, pp 059-082, doi: <https://doi.org/10.37773/ees.v3i2.118>.
- Kirit Parikh, Jyoti Parikh and **Mohit Kumar** (2017) “Vulnerability of Surat, Gujarat to Flooding from Tapi River: A Climate Change Impact Assessment”. Vayu Mandal: Bulletin of Indian Meteorological Society (ISSN: 0970-1397), Vol. 43, 2, pp 123-132.
- **Mohit Kumar**, Rohit Magotra, Jyoti Parikh and A.S. Rajawat (2017) “Changing Landscape of Marine National Park and Sanctuary, Gulf of Kachchh: Ecological Assessment of Mangroves and Coral Reefs”. Proceedings of National Academy of Sciences, India Section A Physical Sciences (ISSN No. : 0369-8203) Special Issue on Remote Sensing, Vol. 87, 4, pp 889-900. Doi: <https://doi.org/10.1007/s40010-017-0457-3>.
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat and Ajai (2017) “Study of Mangrove Communities in Marine National Park and Sanctuary, Jamnagar, Gujarat, India, by Fusing RISAT-1 SAR and Resourcesat-2 LISS-IV Images” International Journal of Image and Data Fusion (ISSN No. : 1947-9832), Vol. 8, 1, 2017, pp 73-91, doi: <https://doi.org/10.1080/19479832.2016.1232755>.
- A.S. Rajawat, H. B. Chauhan, R. Ratheesh, S. Rode, R. J. Bhandari, M. Mahapatra, **Mohit Kumar**, R. Yadav, S. P. Abraham, S. S. Singh, K. N. Keshri and Ajai (2015) “Assessment of Coastal Erosion along the Indian Coast on 1 : 25,000 Scale using Satellite Data of 1989–1991 and 2004–2006 time frames” Current Science (ISSN No. : 0011-3891) , Vol. 109, No. 2, 25 July 2015, pp 347-353.
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat and Ajai (2012) “Application of Remote Sensing and GIS Techniques in Understanding Changes in Mangrove Cover in parts of Indus Delta around Kori Creek, Gujarat, India” Journal of Environmental Research and Development, Vol 7, No.1A, July-September, 2012, pp 504-511.

### Chapters Published in the Books: 3

- **Mohit Kumar** and Sarika Keswani (2026) “Application of Remote Sensing and GIS for Developing Heat Action Plans”. In K. Mukherjee et al. (eds.), Urban Climate, The Urban Book Series. DOI: 10.1007/978-3-032-17895-4\_6. ISBN No.: 978-3-032-17894-7.
- Rohit Magotra, Ajit Tyagi, **Mohit Kumar**, Asha Kaushik, Moumita Shaw, Ananya Bhatia, Yashi Sharma, Dileep Mavalankar and Mahaveer Jain Golecha (2021) “Climate Adaptive Heat Action Plans to Manage Heat Stress in Rajkot City” In Gupta, A. K., Barwal, A., Madan, A. and Sood, A. (eds) Health Adaptation and Resilience to Climate Change and Related Disasters – A Compendium of Case Studies. National Institute of Disaster Management, New Delhi, pp 97-125. ISBN No.: 978-93-82571-52-0.
- Yashee Joshi, **Mohit Kumar**, Parixit Vala, H.B. Chauhan, Anjana Vyas, A.S. Rajawat and Ajai (2013), “Synergistic Application of Radar and Optical data for Studying the Coastal Habitats: A case study in Gulf of Kachchh, Gujarat, India”, In Ajai and Devesh Walia (Eds.) Challenging Areas in Earth Science Research Towards Empowering the Society, published by NEHU publications, Shillong, pp 61-71. ISBN No. 81-87837-14-4, pp 61-71.

### Papers Published in Conference Proceedings: 8

- **Mohit Kumar** and Swadhina Koley (2025) “Identifying temperature ‘hotspots’ for increasing urban resilience to heat stress in Kolkata, West Bengal, India” ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, X-5/W2-2025, 333–339, <https://doi.org/10.5194/isprs-annals-X-5-W2-2025-333-2025>, 2025.
- Swadhina Koley and **Mohit Kumar** (2025) “A Geospatial Framework for Assessing Urban Environmental Criticality: A Case of Kidderpore, Kolkata” ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, X-5/W2-2025, 315–320, <https://doi.org/10.5194/isprs-annals-X-5-W2-2025-315-2025>, 2025.
- Gagandeep Kaur, Poorva Agarwal, Latika Pinjarkar, **Mohit Kumar**, Sarika Keswani and Nitin Rakesh (2025) “CoolScape: A Data-Driven Approach to Balancing Urban Heat with Tree Species Optimization”. Paper presented at the 2025 4th OPJU International Technology Conference (OTCON) on Smart Computing for Innovation and Advancement scheduled during 09-11 April 2025 through hybrid mode.
- Rohit Magotra, Ajit, Tyagi, **Mohit Kumar**, Moumita Shaw, Ananya Bhatia, Yashi Sharma (2020) “Climate Adaptive Heat Action Plans for Vulnerable Poor: A case study of Bhubaneswar city, Odisha”, International Conference on Sustainable Development (ICSD 2020). Full paper available at [https://ic-sd.org/wp-content/uploads/2020/11/Rohit-Magotra\\_Climature-Adaptive-Heat-Action-Plans-for-Vulnerable-Poor-%D1%8FA-case-study-of-Bhubaneshwar-city-Odisha.pdf](https://ic-sd.org/wp-content/uploads/2020/11/Rohit-Magotra_Climature-Adaptive-Heat-Action-Plans-for-Vulnerable-Poor-%D1%8FA-case-study-of-Bhubaneshwar-city-Odisha.pdf).
- Rohit Magotra, **Mohit Kumar**, Moumita Shaw, Ananya Bhatia, Yashi Sharma (2020) “Analysis of Health Geography of Dengue in Urban Areas- A case study of Rajkot City, India”. International Conference on Sustainable Development (ICSD2020). Full paper available at [https://ic-sd.org/wp-content/uploads/2020/11/Rohit-Magotra\\_Analysis-of-Health-Geography-of-Dengue-in-urban-areas-A-case-study-of-Rajkot-city-India.pdf](https://ic-sd.org/wp-content/uploads/2020/11/Rohit-Magotra_Analysis-of-Health-Geography-of-Dengue-in-urban-areas-A-case-study-of-Rajkot-city-India.pdf).

- **Mohit Kumar**, A.S. Rajawat and Ajai (2017), “Mangrove Cover Dynamics in Kachchh, Gujarat, India”, Proceedings of 38<sup>th</sup> Asian Conference on Remote Sensing (ACRS), held at New Delhi, India during 23-27 October 2017. Full paper available at [https://a-a-r-s.org/proceeding/ACRS2017/ID\\_753\\_1652/948.pdf](https://a-a-r-s.org/proceeding/ACRS2017/ID_753_1652/948.pdf).
- A.S Rajawat, H.B Chauhan, R Ratheesh, S Rhode, R.J Bhanderi, M Mahapatra, Mohit Kumar, R. Yadav, S.P Abraham, S.S Singh, K.N Keshri and Ajai, (2014), "Assessment of Coastal Erosion along Indian Coast on 1:25000 Scale using Satellite Data", ISPRS TC VIII Mid-Term Symposium Operational RS Applications: Opportunities, Progress and Challenges, held at Hyderabad, India during 09-12 December, 2014. DOI: <https://doi.org/10.5194/isprsarchives-XL-8-119-2014>, 2014.
- **मोहित कुमार**, रतीश रामकृष्णन एवं ए.एस. राजावत (2011) “ऐलोस-पलसार डेटा द्वारा कच्छ की खाड़ी, गुजरात में समुद्र तटीय भू-उपयोग/भू-आवरण का अध्ययन” Proceedings of Technical Hindi Seminar held at Space Applications Centre, Ahmedabad on 25 February 2011.

#### Reports Published: 6

- IRADe et al. (2021) Climate adaptive action plans to manage heat stress in Indian cities. Final Technical Report. Published by Integrated Research and Action for Development (IRADe), New Delhi. (<https://idl-bnc-idrc.dspacedirect.org/items/743d9898-4618-4f36-9507-49980613e0c9>).
- IRADe et al. (2021). Disaster Resilience Action Plan, Shillong, Meghalaya. Published by Integrated Research and Action for Development (IRADe), New Delhi. IRADe-PR-73 (2020).
- IRADe et al. (2021). Disaster Resilience Action Plan, Gangtok, Sikkim. Published by Integrated Research and Action for Development (IRADe), New Delhi. IRADe-PR-74 (2020).
- IRADe (2016). Review of Marine National Park, Jamnagar: Evolving Vision Statement for Management of MNP. Project Report, published by Integrated Research and Action for Development (IRADe), New Delhi. IRADe-PR-54 (2017), ISBN 978-81-934402-0-9.
- SAC (2014), "Shoreline Change Atlas of the Indian Coast Volume 1: Gujarat, Daman and Diu", SAC/EPASA/GSAG/GSD/A/01/14, May, 2014, Space Applications Centre, Ahmedabad, 237p. (<https://vedas.sac.gov.in/static/pdf/atlas/Seashore/Vol-1-Full.pdf>)
- H.B.Chauhan, **Mohit Kumar**, Yashee Joshi and Anjana Vyas (2013), “Synergistic Application of Radar and Optical Data for Studying the Coastal Habitats: A Case Study of Gulf of Kachchh, Gujarat, India” in RISAT UTILISATION PROGRAMME: Status Report, SAC/EPASA/ATGDG/ATD/RISAT-UP/03/2013, pp LU12-LU27.

#### Articles Published in Popular Magazines/Newsletters: 6

- **Mohit Kumar**, Ananya Bhatia and Rohit Magotra (2022) “Role of GIS and Remote Sensing in Disaster Management”, Science Reporter (ISSN: 0036-8512), June 2022, pp 20-21. <http://nopr.niscpr.res.in/handle/123456789/59837>.
- **Mohit Kumar**, Rohit Magotra and Ananya Bhatia (2021) “Issues and Research Gaps in the Conservation of Olive Ridley Turtles in Odisha”, IRADe Research Newsletter, IRN May 2021.

- Yashi Sharma, Ananya Bhatia, Vijay Raj, Nimisha Jha, Moumita Shaw, **Mohit Kumar**, Rohit Magotra, G.N Qasba, Ajit Tyagi, Jyoti K Parikh (2020) Policy brief: Strengthening Public Health Systems for COVID-19 Response. Available at [https://irade.org/Strengthening%20PHS\\_Policy%20Brief.pdf](https://irade.org/Strengthening%20PHS_Policy%20Brief.pdf).
- Ananya Bhatia, **Mohit Kumar** and Rohit Magotra (2020), “Role of GIS in managing COVID-19”, Science Reporter (ISSN: 0036-8512), October 2020, Vol. 57, pp 32-33. <http://nopr.niscpr.res.in/handle/123456789/55154>.
- **Mohit Kumar** (2020) “Application of Remote Sensing and GIS in Developing Disaster Resilient Cities in New India”. GIBS Digest, Vol. 2, Issue 1, pp 49-50. (available at [http://gitarattan.edu.in/Article\\_19/](http://gitarattan.edu.in/Article_19/)).
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat, R.D.Kamboj and Ajai (2013), “Monitoring Marine Protected Areas (MPAs) using Geomatics: A Case Study in Gulf of Kachchh, Gujarat, India”, ISG Newsletter (special issue on Marine and Coastal Dynamic) (ISSN: 0972-642Xs) , Vo. 19, No. 3, Dec 2013, pp 56-62.

#### Abstracts/Posters Published in Conference Proceedings: 14

- Sarika Keswani, **Mohit Kumar**, Latika Pinjarkar, Poorva Agarwal, Gagandeep Kaur and Nitin Rakesh (2024) “Impact of climate change in Vidarbha region of Maharashtra, India”, paper presented at the American Geophysical Union (AGU) meeting scheduled during 9-13 December 2024 in Washington DC, USA.
- Sarika Keswani and **Mohit Kumar** (2024) “Application of remote sensing and GIS for developing heat action plans”, paper presented at the American Geophysical Union (AGU) meeting scheduled during 9-13 December 2024 in Washington DC, USA.
- **Mohit Kumar** and Sarika Keswani (2022) “Developments in Satellite Remote Sensing and GIS for Solving Socio-environmental Problems in 21st Century”. International Conference on “RESEARCH OF INNOVATIONS AND PERSPECTIVES OF THE DEVELOPMENT OF SCIENCE AND TECHNOLOGY IN THE XXI CENTURY”, held virtually on 24 November 2022. DOI: 10.36059/978-966-397-278-7-55.
- **Mohit Kumar**, Rohit Magotra, Ajit Tyagi and S. C. Bhan (2021), “Correlating Urban Climatological Variations and Heat Stress in Indian Cities: Case Study of Delhi, Bhubaneswar and Rajkot cities”. INTROMET-2021. International Symposium on Tropical Meteorology: “Changing Climate: Consequences and Challenges (INTROMET-C4)”, held during 23-26 November, 2021.
- **Mohit Kumar**, Rohit Magotra, Ajit Tyagi and Ananya Bhatia (2019), “Application of Remote Sensing and GIS to Identify Ward Level Heat Hot Spots and Vulnerability – A Case Study of Rajkot City”, ISG-ISRS 2019 Conference titled “National Symposium on Innovations in Geospatial Technology for Sustainable Development with Special Emphasis on NER” held at North Eastern Hill University (NEHU) and North Eastern Space Applications Centre (NESAC), Shillong during 20-22 November 2019.
- Nikita Lahiri, Santanu Das, **Mohit Kumar**, Diganta Barman, Rohit Magotra, P L N Raju and Ajit Tyagi (2019), “Multi-Hazard Zonation Mapping using the Multi-Criteria Decision Analysis (MCDA) Techniques in GIS Environment of Gangtok City and Its Agglomeration”, ISG-ISRS 2019 Conference titled “National Symposium on Innovations in Geospatial Technology for Sustainable Development with Special Emphasis on NER” held at North Eastern Hill University (NEHU) and North Eastern Space Applications Centre (NESAC), Shillong during 20-22 November 2019.

- **Mohit Kumar**, Rohit Magotra and Ananya Bhatia (2019), “Identification of Thermal Hotspots in Three Indian Cities using Satellite Remote Sensing and GIS”, ESRI UC 2019 held in Delhi during 28-29 August 2019.
- Kirit Parikh, Jyoti Parikh and **Mohit Kumar** (2016). “Vulnerability of Surat, Gujarat to Flooding from Tapi River: A Climate Change Impact Assessment”, TROPMET 2016 National Symposium on Tropical Meteorology: Climate Change and Coastal Vulnerability, held at Shiksha ‘O’ Anusandhan University, Bhubaneswar, Odisha, India during 18-21 December 2016.
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat and Ajai, (2013), "Study of Mangrove Communities in Marine National Park and Sanctuary, Jamnagar, Gujarat by Synergistic Use of RISAT-1 SAR and Resourcesat-2 LISS-IV data", Souvenir cum Abstract Volume of National Symposium on Remote Sensing and GIS for Environment with Special Emphasis on Marine and Coastal Dynamics held at Andhra University, Visakhapatnam during 04-06 December, 2013, pp 79.
- Yashee Joshi, **Mohit Kumar**, Parixit Vala, H.B. Chauhan, Anjana Vyas, A.S. Rajawat and Ajai (2013), “Synergistic Application of Radar and Optical data for Studying the Coastal Habitats: A case study in Gulf of Kachchh, Gujarat, India” In the Proceedings of the "National Seminar on Challenging Areas in Earth Science Research Towards Empowering the Society (100th Indian Science Congress)", held at Calcutta University, Kolkata during January 04-07, 2013, pp 153-154, Editors Prof. Ajai and Prof. Devesh Walia. ISBN No. 81- 87837-14-4.
- Veera Panchal, **Mohit Kumar**, H.B. Chauhan, Kinnari J. Dubal, Dharmendra Shah, A.S. Rajawat and Ajai (2013), “Mangrove Inventory and Monitoring for Combating Storm Surges and Coastal Erosion: A Case Study of Gujarat Coast” Proceedings of the National Seminar on Challenging Areas in Earth Science Research Towards Empowering the Society (100th Indian Science Congress), held at Calcutta University, Kolkata during January 04-07, 2013, pp 156-157.
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat and Ajai (2012) “Monitoring of Mangrove Habitats in Marine National Park, Jamnagar, Gujarat” Proceedings of National Conference on Mangrove Wetlands and Near Shore Marine Ecosystems: From Sustainability Issues to Management and Restoration, held at Jawahar Lal Nehru University (JNU), New Delhi, during 05-06 March 2012, pp 51-52.
- **Mohit Kumar**, H.B.Chauhan, A.S.Rajawat and Ajai (2011) “Application of Remote Sensing and GIS Techniques in Understanding Changes in Mangrove Cover in parts of Indus Delta around Kori Creek, Gujarat, India” Proceedings of International Congress of Environmental Research (ICER)-2011, held at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat during 15-17 December 2011, pp 310.
- **Mohit Kumar**, Ratheesh Ramakrishnan and A.S.Rajawat (2011) “Evaluation of L-band HH wide beam ALOS-PALSAR data for land use/land cover studies in Gulf of Kachchh and Gulf of Khambhat, India”; Proceedings of Geomatics 2011 National Conference on Impact of Climate Change with special emphasis on desertification, held at M.D.University, Ajmer from 03-05 February 2011, pp 59.

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**Conferences/Workshops/Training Courses Participated/Attended**

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- “Capacity Building Programme on Indian Knowledge Systems”, organized by Adamas University, Kolkata during 25 June 2025 to 05 July 2025.
- "Indian Knowledge System with a Special Focus on Nitishastra and Arthashastras" jointly organized by Symbiosis Centre for Management Studies, Nagpur & Symbiosis Teaching Learning Resource Centre, on 17,18 June 2025.
- 5-Days Employee Development Program (EDP) (Virtual) entitled “SCOPUS-Indexed SDG Score Increasing of Publications in the Context of UN’s International Decade of Sciences for Sustainable Development (2024–2033)” organised by VIT-AP School of Social Sciences and Humanities (VISH) and School of Advanced Sciences (SAS) from 10-June-2025 to 14-June-2025.
- 5-Days Employee Development Program (EDP) (Virtual) entitled “Application of Geographical Information System (GIS) for Advancing Sustainable Development Goals” organized by VIT-AP School of Social sciences and Humanities (VISH) and School of Advanced Sciences (SAS) from 20-May-2025 to 24-May-2025.
- 2-Week Faculty Development Program (FDP) titled “Enhancing Efficiency with MS Office (Guide to AI-Powered MS Tools)” organized by Academic and Administrative Development Centre (AADC), Adamas University during 5-16 May 2025.
- 2-Week Faculty Development Program (FDP) titled “Leadership and Professional Development” organized by Academic and Administrative Development Centre (AADC), Adamas University during 28 March-10 April 2025.
- Faculty Development Programme (FDP) on “Python for Data Science”, sponsored by the Ministry of Electronics and Information Technology (MeitY), Government of India; organized by E and ICT Academy, NIT Warangal, Telangana, in association with, NIT, Kurukshetra, Haryana during 20 to 29 January 2025.
- Unlocking the Power of Scopus Webinar 2: Effective methods of Literature review on Scopus (60 minutes) conducted by Elsevier Research Academy on 18 July 2024.
- Faculty Development Programme (FDP) on ‘High Performance Computing (HPC)’ organized by Symbiosis Institute of Technology (SIT), Nagpur, India and NVIDIA during 11-15 December 2023.
- “Fundamentals of Deep Learning” from NVIDIA on 12 December 2023.
- “Fundamentals of Accelerated Computing with CUDA C/C++” from NVIDIA on 13 December 2023.
- “Fundamentals of Accelerated Computing with CUDA Python” from NVIDIA on 14 December 2023.
- “Accelerating CUDA C++ Applications with Multiple GPUs” from NVIDIA on 15 December 2023.
- ‘Assessing Ecosystem Health using Copernicus Marine Data’ jointly organized by Copernicus, the Copernicus Marine Service, Mercator Ocean International and Gopacom on 07 and 08 September 2023 through online mode.

- ‘Clean Air Programme’ conducted by Air Pollution and Action Group (APAG), New Delhi during 22 February 2023 – 08 April 2023.
- National level online workshop on “Tableau Visualization & Design” conducted on 19th December 2022 by Symbiosis Institute of Geoinformatics, Symbiosis International (Deemed University), Pune.
- “Remote sensing of night-time light and its application in sustainable development (Online, 12 class hours)” hosted by Deqing Association for Geospatial Information Professionals, China (DQGIP) during 27th November- 2nd December 2022.
- International Conference on “Geoinformatics for Biodiversity Conservation Planning”, organized by Suresh Gyan Vihar University through online mode on 14 October 2022.
- Intromet 2021 Symposium titled “International Symposium on Tropical Meteorology, Changing Climate: Consequences and Challenges (C4-21)” organized by Indian Meteorological Society (IMS) through online mode during 23-26 November 2021.
- “Coastal Environment, Development, Disaster Risk Reduction and Resilience” organized by National Institute of Disaster Management (NIDM), New Delhi on 03 November 2020.
- “Hill Area Environment and Development with Focus on Earthquakes, Landslides and Floods”, organized by National Institute of Disaster Management (NIDM), New Delhi during 21-23 October 2020.
- International Webinar on "Spatial Intelligence for Real world Solutions" organized by Symbiosis Institute of Geoinformatics from 16th September 2020 to 18th September 2020.
- “Landslide Risk Reduction and Resilience”, organized by National Institute of Disaster Management (NIDM), New Delhi on 18 August 2020.
- “Basics of Python Programming” organized by Department of Computer Science and Engineering and IQAC, Dr C V Raman University, Bilaspur, Chhattisgarh during 27-28 July 2020.
- “Comprehensive Disaster Risk Management Framework” organized by National Institute of Disaster Management (NIDM), New Delhi during 20<sup>th</sup> May-01 July 2020.
- “Workshop on Climate Modelling” organised by Indian Institute of Science (IISc), Bangalore during 16-20 December 2019.
- ISG-ISRS 2019 Conference titled “National Symposium on Innovations in Geospatial Technology for Sustainable Development with Special Emphasis on NER” held at North Eastern Hill University (NEHU) and North Eastern Space Applications Centre (NESAC), Shillong during 20-22 November 2019.
- NASA-ARSET Training Webinar on “SAR for Landcover Applications” held on 28 August 2019 and 04 September 2019.
- “National Seminar-cum-Monitoring & Evaluation (M&E) Workshop” of NMHS (National Mission on Himalayan Studies) ongoing Projects, held at G B Pant National Institute of Himalayan Environment & Sustainable Development (GBPNIHESD), Almora during 4--7 February 2019.
- Science and Training Workshop on Climate Change over the High Mountains of Asia (HMA), held at Centre for Climate Change Research (CCCR), Indian Institute of Tropical Meteorology (IITM), Pune during 08-12 October 2018.

- The 38<sup>th</sup> Asian Conference on Remote Sensing (ACRS), held at New Delhi, India during 23-27 October 2017
- NASA-ARSET Training Webinar on “Remote Sensing of Land Indicators for Sustainable Development Goal 15” held during 20-22 June 2017.
- NASA-ARSET Training Webinar on “Methods in Using NASA Remote Sensing for Health Applications” held during 01-15 June 2017.
- NASA-ARSET Training Workshop on “Satellite Remote Sensing of Air Quality: Data, Tools and Applications” held at Indian Institute of Tropical Meteorology, Pune during 23-26 May 2017.
- Training on ‘Bio-Monitoring of Water-bodies for Water Quality Assessments using Benthic Macro Invertebrates’ during 28 May 2015 and 1-2 June 2015 held at Gujarat Environment Management Institute (GEMI), Gandhinagar, Gujarat, India.
- GIS Training Programme on ArcGIS Desktop Advanced 10.2.2 from ESRI India during 16 March 2015 to 17 March 2015 held at Gujarat Environment Management Institute (GEMI), Gandhinagar, Gujarat, India.
- ‘National Conference on Mangrove Wetlands and Near Shore Marine Ecosystems: From Sustainability Issues to Management and Restoration’, held at Jawahar Lal Nehru University (JNU), New Delhi, during 05-06 March 2012.
- ‘International Congress of Environmental Research’ at National Institute of Technology, Surat during 15-17 December 2011.
- Technical Hindi Seminar held at Space Applications Centre, Ahmedabad on 25 February 2011.
- ‘International Workshop on Herbarium Techniques’ conducted by NISCAIR, New Delhi during 08-13 November 2010 at NISCAIR, New Delhi.
- Training Programme on ‘Basics of GIS and It’s Applications’ from 25-29 October 2010 at Space Applications Centre (ISRO), Ahmedabad.
- ‘Geomatics 2010 Pre conference Tutorial on Coastal Ecosystems’ during 02-03 February 2010 at Space Applications Centre (ISRO), Ahmedabad.
- ‘Geomatics 2010 National Conference on Climate Change: Coastal Ecosystems with special Session on Planetary Geomatics’ during 04-06 February 2010 at Space Applications Centre (ISRO), Ahmedabad.
- Workshop on ‘English Grammar & Spoken Skills’ organized by British Library, Ahmedabad during 16-17 January 2010.
- ‘National Workshop on Bioinformatics’ during 16-17 November 2008 at University Department of Botany, Lalit Narayan Mithila University, Darbhanga.
- Training Course entitled ‘Retrieval and Analysis of Biological Information in Genomics and Proteomics’ organized by University Centre of Bio-Informatics, T.M.Bhagalpur University, Bhagalpur during 28 November to 1<sup>st</sup> December 2006.

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### Invited Lectures

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- Delivered a lecture on “Developing Disaster Resilience Action Plan for the City of Gangtok” at the workshop “Challenges on Disaster Risk Reduction of Hill Towns” organized by Sikkim State Disaster Management Authority (SSDMA) during 18-19 September 2019 at Chintan Bhawan, Gangtok, Sikkim.
- Delivered a lecture on “Developing Disaster Resilience Action Plan using GIS and Prioritizing Actions for Disaster Risk Reduction in Urban Agglomerations of Shillong” at the Department of Environmental Studies, North Eastern Hill University (NEHU), Shillong, Meghalaya on 30 August 2018.
- Delivered a lecture on “Applications of Remote Sensing in Developing Urban Heat Action Plans” at the Advanced Urban Remote Sensing Workshop, organized in hybrid mode by the Department of Geography, The University of Hong Kong during 03-04 December 2022.

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### Membership of Societies

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- Life Member of Indian Society of Geomatics (ISG) (Membership Number ISG-L-1477).
- Life Member of Indian Meteorological Society (IMS) (Membership Number LM-3207).
- Annual Member of Asian Geographical Association – Young Geographer Working Group (Membership ID: AGA-YGWWG-2022-0050).
- Regular Member of International Association for Urban Climate (IAUC).

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### References

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