

Curriculum - Vitae

Name : **Professor Atiqur Rahman**
Father's Name : Mohd. Matiullah
Nationality : Indian
Date of Birth : 10th July 1971
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Remote Sensing & GIS Division
Department of Geography, Faculty of Natural Sciences
Jamia Millia Islamia, New Delhi-25 (India)
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Employment:

Oct. 2015- **Professor**, Department of Geography, Faculty of Natural Sciences,
till date Jamia Millia Islamia, New Delhi-25

March 2014 **Professor**, Appointed Professor of Geography in the Department of
Geography, Faculty of Sciences, Aligarh Muslim University, Aligarh
(did not joined)

Oct. 2012- **Associate Professor**, Department of Geography, Faculty of
till date Natural Sciences, Jamia Millia Islamia, N Delhi-25

Oct. 2009- **Reader**, Department of Geography, Faculty of Natural Sciences,
Oct 2012 Jamia Millia Islamia University, New Delhi-25

Oct. 2004 – **Senior Lecturer**, Department of Geography, Faculty of
Oct. 2009 Natural Sciences, Jamia Millia Islamia, New Delhi

Oct. 2000 – **Lecturer**, Department of Geography, Faculty of Natural
Oct. 2004: Sciences, Jamia Millia Islamia, New Delhi-25

2000 -**Visiting Scientist**, Dept. of Geography and Geophysics, University of
Leipzig, Leipzig, **Germany**

1999 Doctoral Fellow (**PDF**), 1999. Department of Urban Landscapes,
UFZ- Centre for Environmental Research, Leipzig, **Germany**

2000 **Co-Principal Investigator Indo-German DST-DAAD joint research project on**
Modelling of City Structure for more Effective Environmental Management.

Educational Qualifications:

2015-2016: **M. Sc.** (Geo-informatics), Uttarakhand Open University, Nainital, Completed with **Distinction**

1993-1997: **Ph. D**, Environmental Geography, Aligarh Muslim University, Aligarh.

1992 –1993: **M. Phil**, Environmental Geography, Aligarh Muslim University, Aligarh.

1990 –1992: **M.Sc.** Geography, (with **Distinction in two papers and in the project**) Aligarh Muslim University, Aligarh

1987– 1990: **B.Sc. (Hons.)** Chemistry, Geography, Geology with **Distinction in 5** papers, Aligarh Muslim University, Aligarh.

1985 – 1987: Intermediate (XII), Maths, Physics, Chemistry, English. U.P.B

1983 – 1985: High school (X), Science, Biology, Social, Sciences, English. U.P Board.

Professional Qualifications

2010 Two weeks workshop cum training programme at Brown University, A unique professional development initiative on '*Climate Change and Its Impacts: Resilience and Adaptation to Changes in Precipitation*', at Brown University in Providence, **Rhode Island, USA**, June,13 to 26, 2010.

2004-2005 P.G. Diploma in '*Remote Sensing & GIS*' from Centre for Space Science & Technology Education in Asia & the Pacific, affiliated to United Nations (**CSSTEAP-UN**), Indian Institute of Remote Sensing Campus, Dehra Dun (1st Oct. 2004 to 30th June 2005). **Completed with Distinction**

2003-2004 'GPS (Global Positioning System) and its Application', Indian Institute of Technology (**IIT**) **Roorkee** (Dec. 2003 – Jan2004).

2003 '*GIS Technology and Applications*', Indian Institute of Remote Sensing (**IIRS**), Department of Space, Government of India, Dehra Dun. (May-June, 2003).

1998 '*Basic Concepts and Technology of Remote Sensing & GIS*, Indian Institute of Remote Sensing (**IIRS**), Department of Space, Government of India, DehraDun. (April-June 1998)

1996 -1997 Post Graduate Diploma in Marketing Management, Indira Gandhi National Open University (IGNOU), Distance Learning Programme.

International Research Co-operation:

- School of Geographical Sciences and Urban Planning, Arizona State University (ASU), Tempe, Phoenix, U.S.A
- Centre for Environmental Studies. Arizona State University (ASU), Tempe, Phoenix, U.S.A
- Department of Geography, University of Montreal, Montreal, Quebec, **Canada.**
- St Vincent's Hospital, The University of Melbourne, The University of Melbourne, **Australia**
- Centre for International Earth Science Information Network (CIESIN), Lamont-Doherty Earth Observatory Campus, Palisades, Columbia University, New York, **USA**
- International Cooperation in National Research in Demography (CICRED), **Paris**
- UFZ-Centre for Environmental Research, Department of Urban Landscape, Leipzig, **Germany**
- University of Leipzig, Department of Geography and Geosciences, **Germany**
- Dept of Chemistry & Chemical Technology, Bronx Community College of the City University of New York (CUNY), Bronx, New York, **USA.**
- Faculty of Management, McGill University, Montreal, **Canada.**

Fellowships and awards

- **Post-Doctoral Fellowship (PDF)**, 1999. Department of Urban Landscapes, UFZ-Centre for Environmental Research, Leipzig, **Germany**
- **Visiting Scientist**, 2000. Dept. of Geography and Geophysics, University of Leipzig, **Germany.**
- Junior Research Fellowship (J.R.F) 1995 to 1997.
- Senior Research Fellowship (S.R.F.) July, 1997 to Nov.1997.
- **Young Scientist Award** for Best Paper at International Conference, AMU Aligarh, 1997.
- Travel grant award by Department of Science & Technology (DST), Government of India, to attend 11th International Conference on Modelling, Monitoring and Management of Air Pollution, 17-19 September 2003, Catania, **Italy**
- Air travel grant award by the Indian Council of Social Science and Research (ICSSR), New Delhi 2nd International Conference on Social Sciences, 12-15 June 2003 at **Hawaii, USA.** (did not avail)
- Air travel grant award by the Indian Council of Social Science and Research (ICSSR), New Delhi to attend International Conference on Environmental Science and Technology American Academy of Sciences (AAS), August 6-9, 2007, **Houston, Texas, USA**
- Travel grant award by the Indian National Science Academy (INSA) to attend International Society for Environmental Epidemiology ISEE 2005, to be held at **Johannesburg, South Africa**, Sep. 13–16, 2005

Consultant/Advisor/Hon. Positions

- **Consultant cum Advisor (Technical)** in a major project entitled '*The effects of Built environment on Physical activity and Cardiometabolic Disease risk factors three major South Asian cities*' jointly conducted by Center for Chronic Disease Control

(CCDC), CoE-CARRS (Center of Excellence-Center for Cardiometabolic Risk reduction in South Asia) based at the Public Health Foundation of India (PHFI), All India Institute of Medical Sciences (AIIMS), New Delhi, and **Emory University, Atlanta, USA**. The project is funded by the National, Heart, Lung and Blood Institute, National Institute of Health, Department of Health and Human Services and the United Health Group, **USA**. (2013-2018) (180.0 Lakhs)

- **Consultant** of Project on ‘Geo-environmental Informatics & Remote Sensing’, Sponsor by Deanship of Scientific and Research, King Khalid University, Ministry of Education, Kingdom of Saudi Arabia, Dr. Javed Mallick (PI), Dept. of Civil Engg. King Khalid University, Abha (2018 – onwards) (\$ 26638.00)
- **Hony. Dy. Director**, (Academics) Jamia Millia Islamia, (May 2015 - Aug. 2018)
- **Dy. Coordinator**, UGC-DRS SAP-I, Special Assistance Programme, Department of Geography, JMI (2016- Feb. 2020), under UGC-Special Assistance Programme (SAP), Thrust Area: *Urban and Social Environment*.
- **Coordinator**, UGC-DRS SAP-I, Special Assistance Programme, Department of Geography, JMI (March 2020 - till date), under UGC-Special Assistance Programme (SAP), Thrust Area: *Urban and Social Environment*.

Scientific Research Projects Completed:

- 2012-2015 Collaborating Scientist in **National Aeronautics and Space Administration (NASA)** funded major research project entitled ‘*Understanding Impacts of Desert Urbanization on Climate and Surrounding Environments to Foster Sustainable Cities Using Remote Sensing and Numerical Modeling*’ under the call of NASA’s Interdisciplinary Research in Earth Science Program - Impacts of Urbanization on the Environment solicitation. Collaboration with **Arizona State University, USA** (August 1, 2012 to July 31, 2015).
- 2010-2015 Major Joint Research Project entitled ‘*Foundational Work for a Brain-to-Society Diagnostics for Prevention of Childhood Obesity and its Chronic Diseases Consequences*’ funded by **Indian Council of Medical Research (ICMR) and the Canadian Institutes of Health Research (CIHR)**, INCLE from Delhi & McGill University from Canada, (Co-PI), (2010-2015). (50.15 Lakhs)
- 2010-2012 Major Joint Research Project entitled ‘*Impact of household food insecurity on human health in central India*’ funded by **Shastri Indo Canadian Institute (SICI)**, Montreal University and McGill University from Canada and Aligarh Muslim University and Jamia Millia Islamia from India. (Co-PI) (2010-2012). (6.00 Lakhs)
- 2009-2012 Major Research Project entitled ‘*Monitoring of Arsenic in Ground Water of Ballia District, Uttar Pradesh Using Remote Sensing and GIS Techniques*’, **Ministry of Environment and Forest (MoEF)**, Government of India, New Delhi. (Co-PI). (**28.14 Lakhs**) (27-01-2010 to 26-07-2013)

- 2004-2007 Collaborating Scientist in NASA funded Urban Environmental Management (UEM) 100 Cities Project, entitled '*Investigation of Rapid Urbanization Process Using ASTER, MODIS and LANDSAT Data*'. <http://elwood.la.asu.edu/grsl/UEM>(280.43 Lakhs), Prof. Philip R. Christensen (PI), Arizona State University, USA
- 2001-2004 Principal Investigator (PI) of a major project on '*Assessing ground water quality and vulnerability to pollution in shallow aquifer in Aligarh City using GIS techniques*' funded under **Young Scientist Project**, by the Department of Science & Technology (DST), Government of India, New Delhi. (3.66 Lakhs)
- 2000 – 2002 (Co-PI) '*Modelling of city structure for a more effective urban environmental management in Aligarh City*', funded under Indo-German (DST-DAAD) by the Department of Science & Technology (DST) New Delhi, Government of India and the German Academic Exchange Programme (DAAD) Bonn, Germany.(5.00 Lakhs approx.)

Present teaching fields:

- Urban and Environmental Management
- Regional Development and Planning
- Remote Sensing and Image Interpretation
- Geographical Information System (GIS)
- Digital Image Processing (DIP)

Present research fields:

- Urban Environmental Management
- Water Resource Management
- Public Health GIS
- Application of Remote Sensing, GIS, GPS

Post Doctoral Research Guidance

1. **Dr. Swapan Talukdar:** Dr. D. S. Kothri Post-doctoral Fellow (2021)

Title of Project: "*Evaluation of Ecosystem Health and Serviceability of Loktak lake and Kanwar lake using Internet of Things, Remote Sensing and Artificial Intelligence for Management and Conservation Plan*"

Ph. D Supervision Awarded (09)

1. Name of Scholar: **Mr. Javed Mallick (JRF)(Awarded-2010)**

Topic of Ph. D thesis:

'Impact of land use/land cover and vegetation density on micro-climate of Delhi- An approach to Urban Heat Islands (UHI) using optical and thermal MS remote Sensing data'

2. Name of Scholar: **Mr. Ajit Kumar Shukla** (CSIR-SRF) (**Awarded-2010**)
Topic of Ph. D thesis:
 ‘Environmental Impact Assessment of Floods in Lower Rapti River Basin’
3. Name of Scholar: **Mr. Md. Ejaz Alam** (UGC NET+JRF) (**Awarded-2015**)
Topic of Ph. D thesis:
 ‘Dynamics of Hydro-morphometric Characterization and its Impact on Socio-economic and Ecological condition in Kosi River Basin (KRB)’
4. Name of Scholar: **Mr. Joheb Khan** (Project Fellow) (**Awarded - 2016**)
Topic of Ph. D thesis: ‘Mapping and Monitoring of Arsenic in the Groundwater of Ballia District (U.P.) with Health Impact Using Geospatial Techniques’
 (Co-supervisor)
5. Name of Scholar: **Ms. Dipanwita Dutta** (UGC-NET) (**Awarded - 2016**)
Topic of Ph. D thesis: ‘Monitoring and Modelling Urban Growth in Delhi and its Peri-Urban Areas using Multi Temporal Satellite Datasets’
6. Name of Scholar: **Ms. Hoang Thi Hang** (Foreign National) (**Awarded – 2019**)
Topic of Ph. D thesis: ‘Impact of Urbanization and Vegetation on the Seasonal Environmental Conditions in National Capital Region, India using Geospatial Technique’ (Submitted – July 2019)
7. Name of Scholar: **Ms. Babita Kumari** (UGC-JRF+NET) (**Awarded - 2019**)
Topic of Ph. D thesis: ‘Socio-economic and Environmental Impacts of SEZs: A Case Study of Gautam Buddha Nagar District, U.P’
8. Name of Scholar: **Mr. Md. Ali Azam** (UGC-JRF+NET) (**Awarded – 2019**)
Topic of Ph. D thesis: ‘The Built Environment and Social Order: A Study of Selected Resettlement Colonies in Delhi’ (Co-supervisor)
9. Name of Scholar: **Mr. Mohammad Tayyab** (Project Fellow) (**Awarded 2021**)
Topic of Ph. D thesis: ‘Assessing the Role of Socio-economic Settings, Neighbourhood Environment and Physical Activity for Public Health in Delhi Using Geospatial Techniques’

Ph. D Supervision Ongoing (06)

1. Name of Scholar: **Mr. Shahfahad** (UGC-JRF-NET)
Topic of Ph. D thesis: ‘Impact of Urbanization on Climatic Conditions: A Comparative Analysis of Delhi and Mumbai Using Geospatial Techniques’
2. Name of Scholar: **Mr. Mirza Razi Imam Baig** (UGC-NET & ICSSR-JRF)
Topic of Ph. D thesis: ‘Climate Change and Coastal Vulnerability Assessment in the Coastal Andhra Pradesh’
3. Name of Scholar: **Ms. Ishita Afreen Ahmed** (UGC-NET& UGC-MANF JRF)
Topic of Ph. D thesis: ‘Impact Assessment of Flood under Climate Change Scenario: A Study of Urban Watershed, Guwahati, Assam’

4. Name of Scholar: **Mohd Waseem Naikooo** (UGC-NET+JRF)
Topic of Ph. D thesis: ‘Impact of Liberalization and Demonetization on the Real Estate Market in Delhi NCR: A Geographical Analysis’
5. Name of Scholar: **Mohd. Rihan** (UGC-NET)
Topic of Ph. D thesis: Monitoring Peri-urban Landscape Dynamics and its Impact on Ecosystem Services and Climatic Elements
6. Name of Scholar: **Tanmay Das** (UGC-NET+JRF)
Topic of Ph. D thesis: ‘Modeling Urban Environmental Quality & Microclimate Using Geospatial Techniques and Artificial Intelligence for Sustainable Urban Development in Kolkata Metropolitan Region’

Dissertation Supervised

1. Name of the Student: **Mr. Yash Vardhan** (PG Diploma in Remote Sensing & GIS Dissertation) - 2015
Topic: ‘Assessing and Detecting Change in Mayur Vihar Phase–I, using very High resolution Satellites data & GIS’
2. Name of the Student: **Mr. Parvez Alam** (M.A/M.Sc. Dissertation) - 2015
Topic: ‘Mapping Hosuing Types and Utility & Serve facilities in Jamia Nagar using very High resolution Satellites data & GIS’
3. Name of the Student: **Ms.Prita Roy Chaudharay** (B.A/B Sc. Dissertation)-2015
Topic: ‘Assessing the Disaster Risk and Preparedness in Planned and Unplanned Colonies of South District of Delhi’
4. Name of the Student: **Ms. Sakshi Mankotiya**(B.A/B Sc. Dissertation) - 2015
Topic: ‘Water Quality and sanitation Conditions in Khizrabad Slum’
5. Name of the Student: **Mr. Yahya Kazmi**(PG Diploma in Remote Sensing & GIS Dissertation) - 2014
Topic: ‘3-D Modeling of Jamia MilliaIslmia University Campus using Very High Resolution Satellite Data and GIS’
6. Name of the Student: **Mr. Yatendra Sharma**(PG Diploma in Remote Sensing & GIS Dissertation) - 2014
Topic: ‘3-D Modeling of Jamia MilliaIslmia University Campus using Very High Resolution Satellite Data and GIS’
7. Name of the Student: **Mr. Mohd Omer Sharif**(M.A/M.Sc. Dissertation) - 2014
Topic: ‘Socio-Ecological Impact of Mining in Jharkhand using GIS Technique’
8. Name of the Student: **Ms. Sumana Saha** (M.A/M.Sc. Dissertation) - 2013
Topic: ‘Assessing Socio-environmental Conditions of Kizhrabad Slum, Delhi: A Case Study’

9. Name of the Student: **Mr. JBR Lalhlenchhuaka & Mr. Lalahmuchhuaka**(PG Diploma in Remote Sensing & GIS Dissertation) - 2013
Topic: Assessing and Mapping of Land Use, Utility and Service Facilities using Very High Resolution Satellite Data: A Case Study-Hauz Khas, New Delhi
10. Name of the Student: **Ms Mahak Mahajan**(PG Diploma in Remote Sensing & GIS Dissertation) - 2013
Topic: ‘Assessing Utility and Service facility mapping in Part of Okhla, New Delhi using Satellite data’
11. Name of the Student: **Ms. Shraboni Chakraborty**(PG Diploma in Remote Sensing & GIS Dissertation) - 2013
Topic: ‘Study of Ambient Air Quality of Delhi Using GIS Technique’
12. Name of the Student: **Mr. Mohd. Ramiz**(M.A/M.Sc. Dissertation) - 2012
Topic: ‘Vehicular Growth & its Impact on Air Pollution in NCT, Delhi’
13. Name of the Student: **Mr. Thejakhrielie Zumu**(M.A/M.Sc. Dissertation) - 2011
Topic: ‘Vehicular Pollution and its Impact on Health in Delhi’
14. Name of the Student: **Mr. C Kamthianmang**(M.A/M.Sc. Dissertation) - 2011
Topic: ‘Urbanization and its Impact on Health and Diseases Pattern in Delhi’
15. Name of the Student: **Ms. Ayesha Haq**(M.A/M.Sc. Dissertation) - 2010
Topic: ‘Urbanization and its Impact on Sewage Disposal and Management in Delhi’
16. Name of the Student: **Mr. Sunil Shishodia**(PG Diploma in Remote Sensing & GIS Dissertation) - 2010
Topic: A Micro Level Comparative Assessment of the Physical & Social Parameters Using VHR Satellite Data: Case Study: Khatela and Ratipur Villages, District Palwal, Haryana, India
17. Name of the Student: **Mr. Arun Kumar** (PG Diploma in Remote Sensing & GIS Dissertation) - 2010
Topic: A Micro Level Comparative Assessment of the Physical & Social Parameters Using VHR Satellite Data: Case Study: Nangla Ahsanpur and Jodhpur Villages, District Palwal, Haryana, India
18. Name of the Student: **Mr. Sunil Kumar** (PG Diploma in Remote Sensing & GIS Dissertation) - 2006
Topic: Land Transformation in NW District of Delhi Using Remote Sensing & GIS Techniques

Organised/Coordinated Conferences/Seminar/Workshop/Refreshers Course

- **Organizing Secretary**, International Conference (Online) on ‘*Building Resilient Societies: Emerging Social and Economic Challenges*’ during November 25-26, 2020 under the aegis of

UGC SAP-DRS-1 Programme, organized by Department of Geography, Jamia Millia Islamia, New Delhi-25.

- **Coordinator** one Week Workshop on “*Capacity Building on Geo-Spatial Solutions*” under UGC SAP-DRS-1 Program for Research Scholars & P G students during 1-6 December 2020, under the aegis of UGC SAP-DRS-1 Programme, organized by Department of Geography, Jamia Millia Islamia, New Delhi-25
- **Organizing Secretary**, 30th National Conference of the Indian Institute of Geomorphologists (IGI), on Focal Theme: *Geomorphology, Environment and Society*, Organized by Department of Geography, Jamia Millia Islamia, New Delhi-25, 3-5 October, 2018
- **Organizing Secretary**, National Seminar on ‘*Urban Environment in the 21st Century: Issues and Challenges*’ under UGC-DRS-I Programme Organized by Department of Geography, Jamia Millia Islamia, New Delhi-25, 27-28 March 2018
- **Course Coordinator**, MHRD-GIAN Course on ‘*Global Cities Sustainability and Management of the Urban Ecosystem*’, GIAN Course ID: IIT/GIAN/S-16/584, Foreign Faculty: Prof. Jürgen Breuste, Chair, Urban and Landscape Ecology Department, Paris-Lodron-University, Salzburg (Austria), during 1 to 5 Nov. 2016
- **Dy. Coordinator** of three weeks Summer Training Programme on ‘*Geospatial Technologies and Applications under NRDMs Programme in DST*’, Funded by Department of Science & Technology (DST), Government of India, New Delhi, 22nd May – 11th June 2012.
- **Coordinator** of the 16th Three Weeks Refresher Course in Geography and Environmental Studies on the theme ‘*Studies Sustainable Environmental Management and Geospatial Technology*’, Academic Staff College, Jamia Millia Islamia, New Delhi, from 19 Nov. to 9 Dec. 2013.

Research Publications

Books/ Study Material Published: (13)

1. **Atiqur Rahman**, Mary Tahir & Aruna Paarcha (2021). *Urbanization and Climate Change in 21st Century: Opportunities and Challenges*, R K Books, New Delhi, ISBN-978-81-951923-9-7, pages 415.
2. **Atiqur Rahman**, Lubna Siddiqui, Praveen K Pathak, Taruna Bansal & Asif (2021). *Sustainable Development, Environmental Issues and Self-Sustained Society*, R K Books, New Delhi, ISBN-978-81-951923-4-2, pages 352.
3. **Atiqur Rahman**, Mary Tahir & Aruna Paarcha (2021). *Disaster Risk: Resilient Cities and Societies*, R K Books, New Delhi, ISBN: 978-93-82847-28-1, pages 277.

4. M Ishtiaque, **Atiqur Rahman**, Haroon Sajjad (2021). *Social, Economic and Health Wellbeing: Emerging Issues and Challenges*, R K Books, New Delhi, ISBN 978-93-82847-27-4, Pages 256.
5. **Rahman A**, Parveen S & Tahir M (2020). *Urban Environment: Issues and Challenges* (Eds.), R K Books, New Delhi, ISBN-978-93-82847-99-1, pages 411.
6. **Rahman A.** and Fazal S (2016). *Global Positioning System (GPS): Concepts, Techniques & Applications*, New Age International Publishers, New Delhi. ISBN, Pages 153, ISBN-978-81-224-4065-2
7. Javed Mallick & **Rahman A** (2014). *Thermal Remote Sensing: Urban Environmental Studies*. Rajat Publications, New Delhi. ISBN 978-81-7880-687-7, Pages 240
8. **Rahman A** (2010). *Remote Sensing and GIS: Techniques and Applications for Urban Environmental Studies*, LAP Lambert Academic Publishing GmbH, **Germany**. ISBN No. 978-3-8433-7289-3, Pages 76.
9. De Sherbinin, A., **Rahman A**, Barbieri, A., Fosto, J C., and Zhu Y. (2009). *Urban Population-Environment Dynamics in the Developing World: Case Studies and Lessons Learned*. Center for International Cooperation in National REsearch in Demography (CICRED), **Paris**. ISBN: 2-910053-35-0, Pages 316
10. Rashid, S M, Ishtiyag M, Haseena H, **Rahman A.** (2008). *Environment, Resources and Sustainable Development*. Rawat Publishing House, Jaipur. ISBN 81-316-0113-7, Pages 430
11. **Rahman A.**(2008). *Fundamentals of Global Positioning System (GPS) & its Applications*, Study material for the Arjun Singh Centre for the Distance and Open Learning, Jamia Millia Islamia, New Delhi, Pages 121. (Study Material)
12. Fazal S and **Rahman A.** (2007). *Geographic Information System (GIS) Terminology*, New Age International Publishers, New Delhi. ISBN 978-81-224-2087-6, Pages 160
13. **Rahman A** (1998). *Household Environment and Health* 'B. R. Publishers, New Delhi. India, ISBN 81-7646-000-1, Pages 257.

Total Research papers: (122) International: (73) National: (49)

International Journals/Proceedings/Edited Books (Peer Review Publications)

- 1) Shahfahad, Swapan Talukdar, Mohd. Rihan, Hoang Thi Hang, Sunil Bhaskaran, **Atiqur Rahman** (2021). Modeling Urban Heat Island and Thermal Field Variation over Delhi and Mumbai Metro Cities, and its Relationship with Land Use Indices, **Environment, Development and Sustainability**, Springer Nature, ISSN No.1573-2975, <https://doi.org/10.1007/s10668-021-01587-7>, **Impact Factor: 3.219**
- 2) Javed Mallick, Swapan Talukdar, Ishita Afreen Ahmed, **Atiqur Rahman**, Abu Reza Md. Towfiqul Islam, Swades Pal, Bonosri Ghose & Satyanarayan Shashtri (2021).

Developing Groundwater Potentiality Models by Coupling Ensemble Machine Learning Algorithms and Statistical Techniques for Sustainable Groundwater Management, **Geocarto International**, Taylor and Francis Publication, ISSN No. 1752-0762, <https://doi.org/10.1080/10106049.2021.1987535>, **Impact factor: 4.889**

- 3) Javed Mallick, Swapan Talukdar Shahfahad, Swadesh Pal & **Atiqur Rahman** (2021). A Novel Classifier for Improving Wetland Mapping by Integrating Image Fusion Techniques and Ensemble Machine Learning Classifiers, **Ecological Informatics**, Elsevier Science Publication, Vol. 65, <https://doi.org/10.1016/j.ecoinf.2021.101426>, ISSN: 1574-9541, **Impact Factor: 3.142**
- 4) Dipanwita Dutta, **Atiqur Rahman**, Paul, S.K and Kundu, A (2021). Spatial and temporal trends of urban green spaces: an assessment using hyper-temporal NDVI datasets, **Geocarto International**, Taylor and Francis Publication, ISSN No. 1752-0762, <https://doi.org/10.1080/10106049.2021.1989499>, **Impact factor: 4.889**
- 5) Ishita Afreen Ahmad, Shahfahad, Dipanwita K. Dutta, Mirza Razi Imam Baig, Shouraseni Sen Roy & **Atiqur Rahman**, (2021). Implications of changes in Temperature and Precipitation on the Discharge of Brahmaputra River in the Urban Watershed of Guwahati, India, **Environmental Monitoring and Assessment**, Springer Nature Publisher, ISSN No.1573-2959,193:518, <https://doi.org/10.1007/s10661-021-09284-8>, **Impact Factor: 2.513**
- 6) Swapan Talukdar, Ishita Afreen Ahmed, **Atiqur Rahman** (2021). Groundwater Potentiality Mapping Using Ensemble Machine Learning Algorithms for Sustainable Groundwater Management, *Frontiers in Engineering and Built Environment*, **Frontiers in Engineering and Built Environment**, ISSN: 2634-2502, emerald publishing.
- 7) Mirza Razi Imam Baig, Shahfahad, Mohd Waseem Naikoo, Aijaz Hussain Ansari, Shakeel Ahmad & **Atiqur Rahman** (2021). Spatio-temporal analysis of precipitation pattern and trend using standardized precipitation index and Mann–Kendall test in coastal Andhra Pradesh, **Modeling Earth Systems and Environment**, Springer Nature, ISSN: 2363-6211, <https://doi.org/10.1007/s40808-021-01262-w>
- 8) Babita Kumari, Shahfahad, Mohammad Tayyab, Ishita Afreen Ahmad, Mirza Razi Imam Baig, Mohd. Akhter Ali, Asif, Tariq Mahmood Usmani & **Atiqur Rahman** (2021). Land use/Land cover (LU/LC) Change Dynamics using Indices Overlay Method in Gautam Buddha Nagar District-India, **GeoJournal**, Springer-Verlag Publishers, The Netherlands, 86(4), pp. 1607-1623, <https://doi.org/10.1007/s10708-020-10148-w>
- 9) Shahfahad, Mohd Rihan, Mohd Waseem Naikoo, Mohd Akhter Ali, Tariq Mahmood Usmani, **Atiqur Rahman** (2021). Urban Heat Island Dynamics in Response to Land-Use/Land-Cover Change in the Coastal City of Mumbai, **Journal of the Indian Society of Remote Sensing** ISSN: No. 0255-660X, Springer Publishing. <https://doi.org/10.1007/s12524-021-01394-7>, 49(9): pp. 2227–2247, **Impact factor – 1.563.**

- 10) Javed Mallick, Swapan Talukdar, Majed Alsubih, Mohammed K. Almesfer, Shahfahad, Hoang Thi Hang, and **Atiqur Rahman** (2021). Integration of statistical models and ensemble machine learning algorithms (MLAs) for developing the novel hybrid groundwater potentiality models: a case study of semi-arid watershed in Saudi Arabia, **Geocarto International, Taylor and Francis** Publication, ISSN No. 1752-0762, **Impact factor: 4.889**. doi.org/10.1080/10106049.2021.1939439

- 11) Dipanwita Dutta, **Atiqur Rahman**, S. K. Paul & Arnab Kundu (2021). Impervious Surface Growth and its Inter-Relationship with Vegetation Cover and Land Surface Temperature in Peri-Urban Areas of Delhi, **Urban Climate, Elsevier Science** Publication. ISSN No. 2212-0955, <https://doi.org/10.1016/j.uclim.2021.100799>, Vol. 37, **Impact Factor: 5.731**

- 12) Swapan Talukdar, Shahfahad, Roquia Salam, Abdus Samad, Mohd Rihan, **Atiqur Rahman** (2021). *Improving Wetland Mapping Techniques Using the Integration of Image Fusion Techniques and Artificial Neural Network (ANN)*, in **Mapping, Monitoring, and Modeling Land and Water Resources, Advanced Techniques** Using Open Source Software, 1st Edition, (eds.) Pravat Kumar Shit, Pulakesh Das, Gouri Sankar Bhunia, Dipanwita Dutta, CRC Press, **Taylor and Francis** Group, ISBN 9781003181293, <https://doi.org/10.1201/9781003181293>, pp. 149-164

- 13) Ishita Afreen Ahmed, Mirza Razi Imam Baig, Shahfahad, Swapan Talukdar, Sarfaraz Asgher, Tariq Mahmood Usmani, Shakeel Ahmed & **Atiqur Rahman** (2021). Lake Water Volume Calculation using Time Series LANDSAT Satellite Data: A Geospatial Analysis of DeeporBeel Lake, Guwahati" **Frontiers in Engineering and Built Environment**, ISSN: 2634-2502, emerald publishing, DOI 10.1108/FEBE-02-2021-0009

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- 83) Babita Kumari, Mohammad Tayyab, Shahfahad & **Atiqur Rahman** (2018). Analyzing Growth and Distribution of Special Economic Zone (SEZs) in India, *International Journal of Research and Analytical Reviews*, Volume 5, Issue 3, ISSN 2348-1269, pp. 591-602
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- 85) Babita Kumari, Shahfahad, Mohammad Tayyab, Hoang Thi Hang, Asif and **Atiqur Rahman** (2017). Urban Growth and Mass Rapid Transit System (MRTS): A Study of Delhi Metro in Metro City Of Delhi, *The Indian Geographical Journal*, Chennai, Volume 92 (2) December - 2017, pp 152-167, ISSN 0019-4824(Published in April 2019)
- 86) Safraj Shahul Hameed, **Atiqur Rahman**, Mohd Tayyab, Nikhil Tandon, Dorairaj Prabhakaran (2017). A Geographical Information System Based Analysis of Built Environment and Physical Activity in Urban Delhi, *Concerns in Public Health Practice in India*, N U Khan, G Ramachandran, S Panneer(Eds.), Bloomsbury Publishing, New Delhi, ISBN: 978-93-86432-61-2, pp. 147-161
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- 89) **Atiqur Rahman**, Khan J, Alam SD, Ali I, Khan TA, & Sharma R. (2015) Geochemical Assessment and Modelling of Groundwater Arsenic with Land Surface Features in Ballia District using Satellite Data and GIS. **Journal of Remote Sensing & GIS**, Volume 6, Issue 2, pp. 1-15, ISSN: 2230-7990
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- 95) Md. Ejaz Alam, Javed Mallick, Sunil Bhaskaran, **Rahman Atiqur** and D. Dutta (2013). *Spatio-temporal Assessment of Vegetation Covers in the Upper Catchment of Kosi River basin using MODIS Data*, **International Journal of Remote Sensing & Geoscience (IJRSG)**, Volume 2, Issue 6, pp. 33-40, ISSN No: 2319-3484.
- 96) Javed Mallick, Hussein Al-Wadi, Mohd. Ahmed, **Rahman Atiqur** (2013). Soil Erosion Assessment and Its Effect on Sustainability for a Mountainous Watershed Using Remote Sensing and GIS, **Journal of Remote Sensing & GIS (JoRSG)**, Volume 4, Issue 1, pp. 1-10, ISSN: 2230–7990
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- 98) Javed Mallick and **Rahman Atiqur** (2012). Impact of Population Density on the Surface Temperature and Micro-Climature of Delhi, **CURRENT SCIENCE**, Vol. 102, No. 12, ISSN No. 0011-3891, pp. 1708-1713, **Thomson Reuters Impact factor– 0.964**
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- 106) Kant Y., Javed M., and **Rahman A**. (2010). *Assessment of Diurnal Urban Surface Temperature and Impervious Surface of Delhi and its Relationship Using Multi-Spectral Satellite Data*, **The Journal of Indian Geophysical Union**. Vol. 14, No. 4. Oct. pp.219-232. ISSN No. 0971-9707.
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- 113) **Rahman A.** (2008). *Indoor Noise Pollution and its Impact on the Households: A Study of Growing Urban Center Aligarh,* **Environment, Resources and Sustainable Development**, (eds.) Rashid, S M., Ishtiyag M., Haseena H., **Rahman A.** Rawat Publications, Jaipur. pp. 82-96. ISBN No. 81-316-0113-7
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- 121) Singh A L& **Rahman A**(1997). '*Indoor Air Quality and Respiratory Diseases in Aligarh City*', **The Geographer** (Special Issue), **Aligarh, India.** Vol. XLIV, No. 1, pp. 20-32. ISSN: 0072-0909
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Honors & Scientific Recognitions

- **Prof. Atiqur Rahman** featured in the Global list of **2% top scientists of the World** in an independent study conducted by **University of Stanford**, USA lead by Prof. John P. A. Loannidis. The list has been published in the globally renowned **PLOS Biology** journal. <https://doi.org/10.1371/journal.pbio.3000918> (Table-S7-singleyr-2019)
- **Steering Committee** Member of Population and Environment Research Network (**PERN**) is a project of (**IUSSP**), and (**IHDP**), Technical support is from **NASA**-funded (**SEDAC**) at the Center (**CIESIN**) of **Columbia University**, USA. <http://www.populationenvironmentresearch.org/aboutus.jsp#SC-52740> (2009-2012)
- **Associate Editor**, *Arabian Journal of Geosciences*, Springer Nature Publication.
- Invited Expert Panellist for Cyber-seminar on ‘What are the remote sensing data needs of the population-environment research community?’ A Population-Environment Research Network (PERN) 10-21 May 2010. <http://www.populationenvironmentresearch.org/seminars.jsp>
- Delivered **Key Note Address** on ‘Natural Resources in the Great Himalayas; Human Dimensions, Assessment, Conservation and Management’, at the National Seminar on Natural Resources of the North-Western Himalaya: Threats, Evaluation and Conservation, organized by the Faculty of Earth Sciences, Department of Environment and Water Management, Department of Geography & Geology, at the Sri Pratap College, Srinagar, 26-27 March, 2014
- Visiting Faculty, School of Planning and Architecture (SPA), New Delhi (2008-2009).
- Visiting Faculty, Remote Sensing and GIS Division, Dept. of Geography, Allahabad University, Allahabad (2006-2012)
- Visiting Faculty, Faculty of Architecture & Ekistics, Jamia Millia Islamia, New Delhi (2012-till date))
- Contributing author for the **SAGE Encyclopedia of Geography**. http://www.sage-reference.com/geography/Article_n24.html
- Member, Faculty Committee, Jamia Millia Islamia (2008-2010 & 2013 - till date)
- Reviewer for major research projects, Indian Council of Social Sciences and Research (ICSSR), New Delhi

Reviewer of International Journals

- **The Professional Geographer**, Association of American Geographers (AAG)
- **Journal of Environmental Management**, Elsevier-Science Publication.
- **Ecological Indicators**, Elsevier-Science Publication

- **Landscape and Urban Planning**, Elsevier-Science Publication
- **Urban Climate**, Elsevier-Science Publication
- **Geoscience Frontiers**, Elsevier-Science Publication
- **Environmental Science and Pollution Research**, Springer Nature
- **Environmental Challenges**, Elsevier-Science Publication
- **Annals of GIS**, Taylor & Francis Group
- **The Egyptian Journal of Remote Sensing and Space Sciences**, Elsevier-Science
- **Journal of Hydrology**, Elsevier-Science Publication.
- **Journal of Hydro-environment Research**, Elsevier-Science
- **Ecological Modelling**, Elsevier-Science Publication
- **Sustainable Cities and Society**, Elsevier-Science Publication
- **IEEE-Journal of Selected Topics in Earth Observations and Remote Sensing** Scholar One
- **Modeling Earth Systems and Environment**, Springer-Verlag Publisher
- **Science of the Total Environment**, Elsevier-Science Publication
- **Environmental Monitoring and Assessment** journal, Springer-Verlag Publisher
- **Environmental Earth Sciences** journal, Springer-Verlag Publisher
- **Water Resource Management** journal, Springer-Verlag Publisher
- **Hydrological Sciences Journal**, Taylor & Francis Group
- **Climate Dynamics** journal, Springer-Verlag Publisher
- **Journal of the Indian Society of Remote Sensing**, Springer Publisher
- **Population and Environment**, Springer Publisher
- **Journal of Earth System Science**, Springer Publisher, Indian Academy of Science.
- **Arabian Journal of Geosciences**, Springer Publisher
- **Geomatics, Natural Hazards and Risk**, Taylor & Francis Group
- **Natural Hazards**, Springer Publisher
- **International Journal of Remote Sensing**, Taylor & Francis Group
- **IEEE-International Geoscience & Remote Sensing Symposium (IGARSS 2011)**, Sendai, Japan.
- **IEEE-International Geoscience & Remote Sensing Symposium (IGARSS 2012)**, Munich, Germany.
- **IEEE-International Geoscience & Remote Sensing Symposium**, (IGARSS 2013), Melbourne, Australia
- **IEEE-International Geoscience & Remote Sensing Symposium**, (IGARSS 2014) and **35th Canadian Symposium on Remote Sensing**, Quebec, Canada
- **IEEE-International Geoscience & Remote Sensing Symposium**, (36 IGARSS 2015), Milan, Italy
- **IEEE-International Geoscience & Remote Sensing Symposium**, (37 IGARSS 2016), Beijing, China.
- **IEEE-International Geoscience & Remote Sensing Symposium**, (39 IGARSS 2018), 23-27 July, 2018 in Valencia, Spain.
- **International Journal of Navigation and Observation**, Hindawi Publishing
- **Momona Ethiopian Journal of Science**
- Institution of Civil Engineers (ICE) journal **Water Management**
- **Journal of Applied Remote Sensing**, SPIE Publications
- **Applied Spatial Analysis and Policy**, Springer Publisher

- **Current Science**Journal, Indian Academy of Science
- **Asian Journal of Geoinformatics**, The Asian Association on Remote Sensing
- **Journal of African Earth Sciences**, Elsevier-Science Publication
- **Earth Science Informatics**,Springer-Verlag Publisher
- **Urban Studies** journal, SAGE Publications.
- **Singapore Journal of Tropical Geography**, John Wiley & Sons
- **SpringerPlus**journal, Springer-Verlag Publisher
- **Applied Water Science**, Springer-Verlag Publisher
- **Groundwater for Sustainable Development**, Elsevier-Science Publication
- **Urban Forestry & Urban Greening**, Elsevier-Science Publication
- **International Journal of Sustainable Built Environment**,Elsevier-Science
- **Journal of King Saud University-Science**,Elsevier-Science Publication
- **Environmental Modelling and Software**,Elsevier-Science Publication
- **Journal of Coastal Conservation**, Springer-Verlag Publisher
- **International Journal of Environmental Health Research**,Taylor& Francis
- **Remote Sensing Applications Society and Environment**,Elsevier-Science
- **SN Applied Sciences**, Springer-Verlag Publisher
- **Estuarine, Coastal and Shelf Science**,Elsevier-Science
- **International Journal of Urban Sciences**, Taylor & Francis
- **Human and Ecological Risk Assessment**,Taylor& Francis
- **Physical Geography**,Taylor & Francis
- **GeoscienceFrontiers**,Elsevier-Science
- **Theoretical and Applied Climatology**,Springer-Verlag Publisher

Chaired/Co-Chaired Technical Sessions in National/International Conferences

1. Chaired Technical Session-22 on Geospatial Technologies: Advances and Applications in 42nd IIG Annual Meet as International E-Conference organized by Department of Geography, Savitribai Phule, Pune University (SPPU), Pune and Institute of Indian Geographers (IIG), 4-6 October, 2021
2. Chaired Technical Session on "Climate Action II" in the International Conference on "*Future Challenges and Sustainable Development Goals: Science to Policy Framework*" during 16th – 18th April 2021, organized by Shaheed Bhagat Singh College, University of Delhi.
3. Chaired Technical Session on Technical Session – 16 on Geospatial Technologies: Advances and Applications in National Web Conference on Environment, Development and Livelihood: Sustaining Earth and People organized by Department of Geography, Savitribai Phule Pune University (SPPU), Pune and Institute of Indian Geographers (IIG), 10- 12 June, 2021
4. Chaired Technical Session on Geospatial Techniques for Adaptation of Water Crisis, Food Security & Climate Change in the *International Conference on 'Global Water Crisis: Agriculture and Food Security in the Era of Climate Change'* during 1-3, at the Department of Geography, Faculty of Science Aligarh Muslim University Aligarh, December 2018

5. Chaired Technical Session in National Conference on Climate Change: Sustainable Agriculture & Environment Organised by Department of Geography, Faculty of Science Aligarh Muslim University Aligarh, during, 17-18 March, 2018
6. Chaired Technical Session on Pollution and Urban Environment at the International Conference on Liveable Cities: Transforming Sustainability and its Challenges organized by the Department of Geography, Shaheed Bhagat Singh College, University of Delhi, Delhi, February 5th -7th, 2018
7. Chaired Technical Session on Pollution & Urban environment at the International Conference on Liveable Cities: Transforming Sustainability and its Challenges, Department of Geography, Shaheed Bhagat Singh College, University of Delhi, February 5th -7th, 2018.
8. Chaired Technical Session in the National Seminar on Making Cities Resilient: Post Habitat III organized by the Dept. of Geography Shaheed Bhagat Singh College, University of Delhi, 3-4 February, 2017
9. Chaired Technical Session in 39th Indian Geography Congress 2017, National Association of Geographers, India (NAGI), Department of Geography and Geoinformatics, Osmania University Hyderabad, December 5-7, 2017
10. Chaired Technical Session in the 38th Indian Geographers Meet & National Conference on Sustainable Earth Resource Development, School of Earth Sciences, Banasthali University, Rajasthan, 18th- 20th March 2017
11. Chaired Technical Session in the National Seminar on Feminist Methodology in Social Sciences organized by the Dept. of Geography & Dept. of Home Science, Khwaja Moinuddin Chisti Urdu, Arabi-Farsi University, Lucknow, 8-9 March 2016
12. Chaired Technical Session in the National Conference on Agriculture, Environment and Sustainable Development at the Department of Geography, Aligarh Muslim University, Aligarh, 21-22 March, 2016
13. Chaired Technical session on Environment in the 37th Indian geography Congress, National Association of Geographers, India (NAGI) on Tourism, Resource, Environment and Development, Organized by Department of Geography, University of Jammu, Jammu, 2-4 Dec 2015.
14. Chaired Technical session in the International Conference, 12th IEEE INDICON 2015 during 17-20 Dec. 2015 at Faculty of Engg. & Technology, Jamia Millia Islamia, New Delhi-25.
15. Chaired Technical session in the XXXV INCA International Congress, Organized by Centre for the Study of Regional Development (CSR D), Jawaharlal Nehru University, New Delhi from 15 to 17th December, 2015
16. Chaired Technical session in International Conference on TOURISM, ENVIRONMENT AND DEVELOPMENT, Magadh University Bodh Gaya, 26th to 28th February 2015

National/International Workshops/Conferences Attended: (Selected)

1. Delivered invited lead lecture on '*Novel Approach and Application of Multi-temporal Satellite Data sets from Local to Global Level Analysis*' in National Web Conference on Environment, Development and Livelihood: Sustaining Earth and People organized by Department of Geography, Savitribai Phule Pune University (SPPU), Pune and Institute of Indian Geographers (IIG), 10 - 12 June, 2021.
2. Delivered invited lead lecture on '*Mapping Global Air Quality during COVID-19 Pandemic Using Satellite Data and GIS Techniques*' in the Technical Session: A3, 41st INCA International Conference, Organised by Indian National Cartographic Association (INCA) and hosted by Department of Geography Punjab University, Chandigarh, October 27-29, 2021, on 28 October, 2021
3. Delivered invited lead lecture on '*Water Resources Mapping and Management Issues and Challenges of Water Resources: A Global Perspective*' in the Technical Session 11 of 43rd Indian Geography Congress, Organized by Department of Geography, Institute of Science, Banaras Hindu University, Varanasi, October 28-30, 2021, on 29 October, 2021
4. Delivered invited lecture on '*Natural Disaster Scenario: Some Examples from India & the World*', at 4th Short term course of Disaster Management online, organized by HRDC-JNU, UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, August 23-28, 2021 on 25 August, 2021
5. Delivered invited lecture on Climate Change and Sustainable Development Goals: A Global Perspective, Third online Faculty Induction Programme, UGC-HRDC, Jamia Millia Islamia, New Delhi, 28 December to 02 February, 2021 on 20 January, 2021
6. Delivered Plenary Lecture on '*Geo-spatial Technologies in Geographical Studies*' in Two-Day online International Conference on Geography as a Discipline: Opportunities and Challenges, organized by Department of Geography Dewan Abdul Gani College, Harirampur, Dinajpur, West Bengal, 25-26, August, 2020 on 25 August 2020.
7. Delivered invited lecture on Role of Geo-spatial Technologies in Natural Disaster, at 3rd Short term course of Disaster Management online, organized by HRDC-JNU, UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, 24 - 29 August, 2020 on 27 August, 2020
8. Delivered invited lecture on Climate Change and Sustainable Development Goals: A Global Perspective at, UGC-HRDC, Jamia Millia Islamia, New Delhi -25, on 9 December 2020
9. Delivered invited lecture on Addressing Issues & Challenges of Water Resources in the Urbanized World, 1st 2-Week Refresher Course in Environmental Science/Education, UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi, 7 to 21 October, 2020, on 13 Oct. 2020

10. Delivered invited lecture on Development and Environmental Sustainability: Global Scenario, 128th 3-Week Orientation Programme, UGC-Human resource Development Centre, Jamia Millia Islamia, New Delhi, 12 February to 03 March 2020, on 26 February 2020
11. Delivered invited lecture on Water Resources for the Sustainable Future in Urbanizing & Globalizing World, 18th 2-Week Refresher Course in Geography & Environmental Studies, UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi, 9 to 24 November, 2020, on 18 Nov. 2020
12. Delivered Plenary lecture on 'Water Resource Challenges in the Urbanized World' in the International Webinar on Recent Advances in Environmental Research, Organized by Department of Geography, University of Gour Banga, West Bengal, 24-25 September, 2020, on 24 September, 2020
13. Attended and presented paper on Environmental Disaster in Response to Climate Change: A Global perspective, National Conference cum Workshop on Disaster Management and Climate Change: Perspectives from India's North East, Centre for North East Studies and Policy Research, Jamia Millia Islamia, New Delhi, 16 – 17 October 2019.
14. Attended and presented paper on Assessing and Modelling the Impact of Kosi River Flood in the Kosi River Basin (KRB) of Bihar using Geo-spatial Techniques, at *International Conference on 'Global Water Crisis: Agriculture and Food Security in the Era of Climate Change'* Department of Geography, Faculty of Science Aligarh Muslim University Aligarh during 1-3 December 2018.
15. Attended and presented paper on 'Spatial Analysis of Health Facilities for Urban Area using Very High Resolution (VHR) Satellite data and GIS Technique' National Conference on Climate Change: Sustainable Agriculture & Environment Organized by Department of Geography, Faculty of Science Aligarh Muslim University Aligarh, during, 17-18 March, 2018
16. Attended and presented paper on 'The Great Silk Road Mapping Through Digitalizing Historical Records and Geospatial Techniques' at The 3rd Annual International Conference of International Association for Silk Road Studies (IASS), Co-organized by IASS and Vietnam National University of Social Sciences and Humanities and Sponsored by the Silk-road Universities Network (SUN), **Ho Chi Minh City, Vietnam**, November 8 - 12, 2017
17. Attended and presented paper on Normalized Differential Vegetation Index (NDVI) data for Assessing Spatio-temporal Change in Green Cover in Delhi at the 39th Indian Geography Congress 2017, National Association of Geographers, India (NAGI), at Department of Geography and Geoinformatics, Osmania University Hyderabad, December 5-7, 2017
18. Attended and presented paper on 'Application of Remote Sensing and GIS Technique for the City Sustainability: A Case Study of NCT of Delhi', National Seminar cum Workshop, 22 to 24 September, 2017, Organized by Department of Geography, Savitribai Phule Pune University, Pune.
19. Attended and presented paper on Spatial Analysis of Health Care Service Centers for Smart Cities Using Very High Resolution (VHR) Satellite data and GIS Technique in the International

Workshop on Inclusive Cities, organised by the Department of Architecture & Department of Civil Engineering, Jamia Millia Islamia, New Delhi-25, 19-20 Dec. 2016

20. Attended and presented paper on Population, Resources and Development in the 38th Indian Geographers Meet & National Conference on Sustainable Earth Resource Development, School of Earth Sciences, Banasthali University, Rajasthan, 18th- 20th March 2017
21. Attended and delivered invited presentations on *Spatial Analysis of Health Care Service Centres for Smart Cities Using Very High Resolution (VHR) Satellite data and GIS Technique*, International workshop on **Inclusive Cities** organised by Department of Architecture & Department of Civil Engineering, Jamia Millia Islamia, New Delhi-25, 19-20 Dec. 2016
22. Attended and delivered invited presentations on *Need for inter-disciplinarily and co-production in urban research at the joint* Workshop on **Urban Transformations** organized by the Indian Council of Social Science Research (ICSSR), Economic and Social Research Council (ESRC) UK, and National Institute of Urban Affairs (NIUA), 2nd -3rd March 2016, Jaipur.
23. Attended and presented paper on Disaster, Vulnerability & Rehabilitation of Women in the National Seminar on Feminist Methodology in Social Sciences organized by the Dept. of Geography & Dept. of Home Science, Khwaja Moinuddin Chisti Urdu, Arabi-Farsi University, Lucknow, 8-9 March 2016
24. Attended and presented paper on ‘Spatio-Temporal Change Land use/land cover & City Sustainability in peri-Urban areas of Delhi’ in the National Conference on Agriculture, Environment and Sustainable Development at the Department of Geography, Aligarh Muslim University, Aligarh, 21-22 March, 2016
25. Attended and presented paper on ‘Geospatial Analysis of Arsenic with Land Surface Features in Ballia district’ in the 37th Indian geography Congress, National association of Geographers, India (NAGI) on Tourism, Resource, Environment and Development, Organized by Department of Geography, University of Jammu, Jammu, 2-4 Dec 2015.
26. Attended and presented paper on ‘Dynamics of Urban Space: A Study Based on Linear Spectral Unmixing Technique Using Multi-temporal Landsat data’, in the XXXV INCA International Congress, Organized by Centre for the Study of Regional Development (CSR D), Jawaharlal Nehru University, New Delhi from 15 to 17th December, 2015.
27. Attended and presented paper on ‘Urbanization and Health Conditions of a Metro City, India: A Geo-spatial Approach’ at the National Conference on “SMART CITIES: CHALLENGES AND VISION AHEAD” Organised by Department of Geography Shaheed Bhagat Singh College, University of Delhi, New Delhi on 6 April, 2015
28. Attended and presented paper on ‘Assessing Impact of Growth and Development on the Urban Environmental Conditions using Optical and Thermal Satellite Data & GIS Techniques’ in National Seminar on Future of Indian Geography: Challenges and Opportunities’

with special focus on Environment and Resource; Urban and Regional planning, Department of Geography, Delhi School of Economics, University of Delhi, March 20-21, 2015

29. Attended and presented paper on 'Monitoring Growth of Urban Area using Multi-temporal Satellite data & GIS Techniques' at International Conference on TOURISM, ENVIRONMENT AND DEVELOPMENT, Magadh University Bodh Gaya, 26th to 28th February 2015
30. Attended and presented paper on 'Geospatial Approach for land transformation in and around an urban centre: A Case Study' in the 2-days Workshop on the cultural, economic and socio-ecological dynamics of peri-urban land-use change in the Global South and their implications for regional development, organised by the Department of Cultural and Social Anthropology, University of Cologne (Germany) in collaboration with the Centre for the Study of Regional Development (CSR D), Jawaharlal Nehru University, New Delhi, 19th -20th September 2013.
31. Attended and presented paper on 'Use of Thermal Satellite and Census data sets for Micro-Climate Change: A Case Study' International Geographical Union (IGU) Conference On Geoinformatics for Biodiversity and Climate Change, MDU, Rohtak, 14-16 March 2013.
32. Attended and presented paper on Global Climate Change: Issues, Challenges and Threat to Environmental Sustainability National Seminar on Revisiting Geography as a Sustainable Discipline, Dept. of Geography, JMI, New Delhi, February, 20-21, 2013
33. Attended 3 days workshop on 'Paths of Convergence for Agriculture, Health, and Wealth', hosted by the McGill World Platform for Health and Economic Convergence (MWP), Canada and the INCLIN Trust International (INCLIN), Delhi, June 22 - 24th, 2012, New Delhi.
34. Attended and presented paper on 'Impact of Population and IFC on LST and Micro-Climate of Delhi using ASTER data' at the International Conference on Population Dynamism & Sustainable Resource Development, 25-27 March 2012, Dept. of Geography, A.M.U. Aligarh.
35. Attended Third International Brain-to-Society International Roadmap Developmental Workshop hosted by the McGill World Platform for Health and Economic Convergence (MWP), at **McGill University**, Montreal, **Canada**, from March 17th to March 19th, 2011.
36. Attended Urban Remote Sensing (URS) workshop at the School of Geographical Sciences and Urban Planning, **Arizona State University (ASU)**, Phoenix, **Arizona, USA**, April 1 to 3, 2011.
37. Attended and presented paper on 'Urbanization and Quality of Urban Environment Using Remote Sensing and GIS Techniques in East Delhi-India', National Conference on Population, Resource and Environment March 1-2, 2011, Department of Geography, Aligarh Muslim University, Aligarh
38. Attended and presented paper on '*Impact Land Use/land Cover and Vegetation Change on Micro-Climate of Delhi- Using Optical and Thermal Satellite Data*', at the Workshop on Climate Change and Its Impacts: Resilience and Adaptation to Changes in Precipitation at the **Brown University**, Providence, Rhode Island, **USA**, from 13 to 26 June, 2010.

39. Attended and presented paper on '*Earth Observation Sensors (EOS) Applications in Environmental Studies*', National Conference on Environmental Challenges and Sustainable Development, Department of Geography, AMU, Aligarh, 1-2 March 2008.
40. Attended National Workshop on OGC Standards for Sensor Networks, CSRD, School of Social Sciences, J.N.U., New Delhi, 11th April 2008.
41. Attended and presented paper on "*Environmental Impact Assessment of Urban Expansion Using Remote Sensing and GIS Techniques*", International Conference on Environmental Science and Technology sponsored by the American Academy of Sciences (AAS), August 6-9, 2007, **Houston, Texas, (USA)**.
42. Attended and presented paper on '*An assessment of urban environmental issues using remote sensing and GIS techniques an integrated approach: A case study: Delhi, India*', CICRED Workshop on Urban Population, Development and Environment Dynamics, 11-13 June 2007, **Nairobi, Kenya**.
43. Attended and presented paper on '*Role of discrimination and deprivation for the incidence of mortality due to diarrhoea in Sangam Vihar, Delhi*', National Conference on Environmental Development and Health, A. M. U. Aligarh, 24-25 Feb 2007.
44. Attended and presented paper on '*Remote Sensing & Geographic Information Systems (GIS) for Urban Planning*', Workshop on IT for All Centre for Information Technology, Jamia Millia Islamia, 31st Oct-1st Nov 2007, New Delhi.
45. Attended and presented paper on '*Digital image processing techniques for change detection in higher education*', National Conference on Geospatial Digital Learning, Jan. 17-18, 2007, Kirorimal College, University of Delhi.
46. Attended and presented paper on '*Indoor Noise Pollution and its Impact on the Households: A Study of Growing Urban Center Aligarh (India)*' at the International Conference on Environmental Epidemiology & Exposure AFSSET-(ISEE/ISEA) 2-6 September 2006, **Paris, France**.
47. Attended and presented paper on '*Health Impact of Indoor Air Pollution: A Study of Growing Urban Centres in India*', at the International Conference on Environmental Epidemiology & Exposure AFSSET-(ISEE/ISEA) 2-6 September 2006, **Paris, France**
48. Attended and presented paper on '*Urban Sprawl and its Environmental Impact on Hyderabad-Secundrabad*', National Conference on Urban and Rural Environmental Management, A. M. U. Aligarh, 2-3 March 2006.
49. Attended and presented paper on '*Assessing Income-wise Household Environmental Conditions and Disease Profile in Urban Areas: Study of an Indian city*' at the International Conference of the ISEE on Sustaining World Health through Environmental Epidemiology: Setting a New Global Research Agenda, **Johannesburg, South Africa**, Sept. 13-16, 2005.

50. Attended and presented paper on '*GIS techniques for ground water pollution in urban areas*', National Conference on Land and Water Resources: their Use and Misuse in India, A. M. U. Aligarh, 5-6 March 2005.
51. Attended International seminar on *Dialogue on River Water Links and Diversions*, School of Environmental Sciences, J.N.U, 22-23 March 2004.
52. Attended and presented paper on *Application of Remote Sensing in the Urban Studies* at the Workshop on the urban remote sensing at **Arizona State University (ASU)**, 14-16 April, 2004, Tempe, Phoenix, **U.S.A.**
53. Attended and presented paper on '*Assessing ground water quality and vulnerability to pollution in shallow aquifers beneath Aligarh city using GIS techniques*' at the International Conference on "Groundwater vulnerability assessment and mapping" 15-18 June 2004, **Ustron, Poland.**
54. Attended Indian Society of Remote Sensing (ISRS) National Convention and National Symposium on Converging Space Technologies for National development, Nov. 3-5, 2004, Jaipur.
55. Attended Workshop on Space Technology & Education for Disaster Management, 24th Oct. 2004, Indian Institute of Remote Sensing (IIRS), Dehradun.
56. Attended and presented paper on '*Indoor Air Pollution and its Health Impact: A Case Study of Aligarh City, India*', 11th International Conference on Modelling, Monitoring and Management of Air Pollution, 17-19 September 2003, Catania, **Italy.**
57. Attended and presented paper on "*Assessment of Ground Water Quality in Aligarh city*", presented annual project progress at the 1st Group Monitoring Workshop, at the National Institute of Oceanography (NIO), Dauna Paula, Goa, 11-12 January 2003.
58. Attended National Seminar on "*Spatial Information System for Natural Resource Management*" Dept. of Geography, Delhi School of Economics, University of Delhi, 21-22nd February 2003. .
59. Attended Commonwealth Geographical Beaur Food Security and International Symposium on *Land Degradation: New Trends towards Sustainable Agriculture*. 7-11 April 2002, Ghaziabad.
60. Attended 1st International Conference on *Sustainable Development and Sustainable and Sustainable Life Style*, April 22-23, 2001, New Delhi.
61. Attended the '*Urban 21, the Global Conference on the Urban Issues*,' July 4-6, 2000, **Berlin, Germany.**
62. Attended *Project Cluster Meeting and National Seminar on Urban Issues* by Indian Council of Social Science Research (ICSSR) and Indo-Dutch Programme on Alternatives in Development (IDPAD), Dept. of Geography, Delhi School of Economics, University of Delhi, 29-30 Jan. 1999.

63. Attended Regional Workshop on '*Inputs from Remote Sensing for Natural Hazards Mitigation*', Remote Sensing Application Centre, A.M.U., Aligarh, Oct. 24-26, 1998.
64. Attended and presented paper on '*Sanitation, Water Supply and the Occurrence of Diarrhoea/Dysentery in Aligarh City*', International Conference on Resource Management and Development Strategies, Department of Geography, Nov. 24-27, 1997, A.M.U., Aligarh.
65. Attended and presented paper on '*Degrading Indoor Air Quality and its Effect on the Health of the Households of Aligarh City*'. XVIII Indian Geography Congress, Oct. 29-31, 1996, Shilong.
66. Attended and presented paper on '*Household Waste Disposal and Management: A Case Study of Aligarh City, U.P.*', XVII Indian Geography Congress, Dec. 29-31, 1995, Jammu.

Invited talks and lectures delivered: (Selected)

1. Delivered invited lecture (Online) on Application of Earth Resource Satellite in Urban and Environmental Studies, at UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 in the 9th 3-Week Refresher Course in Basic Science (Interdisciplinary), 5 - 21 October, 2021 on 6 October, 2021
2. Delivered invited lecture (Online) on Global Climate Change and Sustainability, at UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 in the Third online Faculty Induction Programme, 28 December to 02 February, 2021, on 20 January, 2021
3. Delivered invited lecture (Online) on Application of Geo-informatics in Disaster Management: Case Studies in Three Days Online Training Programme on 'Climate Change & Future Trends in Disaster Management', 27-29 Jan. 2021, Organized by the Dept. of Geography in Disaster Management, KHIU, Srinagar & NIDM, MHA, New Delhi Govt. of India on 28 Jan. 2021
4. Delivered invited lecture (Online) on Satellite Remote Sensing and its Applications in Urban Studies in the 5 Days Online Faculty Development Program on Geospatial Technology and Its Application organized by the NIIT Manipur, December 14 –18, 2020 on 16 December 2020
5. Delivered invited lecture (Online) on Climate Change and Sustainable Development Goals: A Global Perspective, at UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 on 9 December 2020
6. Delivered invited lecture (Online) on Water Resources for the Sustainable Future in Urbanizing & Globalizing World, in the 18th 2-Week Refresher Course in Geography & Environmental Studies at UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi-25, 9 to 24 November, 2020, on 18 Nov. 2020
7. Delivered invited lecture (Online) on *Addressing Issues & Challenges of Water Resources in the Urbanized World*, in the 1st 2-Week Refresher Course in Environmental Science/Education, UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25, 7 to 21 October, 2020, on 13 Oct. 2020

8. Delivered invited lecture (Online) on *Local & Global Perspective of Natural Disasters: Causes and Consequences & Management*, in Refresher Course in Disaster Management, UGC-Human Resource Development Centre, Kumaun University, Nainital, (Uttarakhand), 28/09/2020 to 12/10/2020 on 6 Oct. 2020
9. Delivered invited lecture (Online) on ‘*Geo-spatial Technologies in Natural Disaster*’ in 3rd Short Term (One week) online Course in Disaster Management, UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, 24th August – 29th August, 2020 on 27th August, 2020
10. Delivered invited lecture (Online) on *Geo-spatial Data Analysis in Covid-19 Pandemic*, in 3 Days Short Term Programme on Disaster Management for Covid-19, from 14-16 July, 2020, UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 on 16 July 2020.
1. Delivered invited lecture on *Environmental Disaster - Issues and Challenges: A Global Perspective* at the International Interactive Webinar Series – 2020, organised by Department of Geography, by St John College Agra, Dr.Bhim Rao Ambedkar University, on 7 June 2020
2. Delivered invited lecture on *Development and Environmental Sustainability: Global Scenario*, 128 Orientation Programme, UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25,12 February to 03 March 2020), on 26 February 2020
3. Delivered invited lecture on Fundamentals of Remote Sensing Technology for Sensing Earth Resources in 7Th 2 Week Refresher Course in Basic Sciences (Interdisciplinary Sciences) UGC- Human Resource Development Centre, Jamia Millia Islamia, 5th November to 19th November 2019 on 7th November 2019
4. Delivered invited lecture on Impacts of Urbanization on Water & Air: A Global Perspective, 126 Orientation Programme, UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 on 21 Feb. 2019
5. Delivered invited lecture on Challenges & Issues of Global Environmental Problems, 124 Week Orientation Programme, UGC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia. New Delhi-25 on 21 Feb. 2019
6. Delivered Invited lecture on Urban Environmental Issues: A Global Perspective, 2nd Refresher Course in Environmental Studies beginning from 12th November - 7th December, 2018 at the UGC-HRDC, JNU on 22 November 2018
7. Delivered Invited lecture on Development and Environmental Disaster: Changing Global Scenario, 4-Week Orientation Programme, UGC-Human Resource Development Centre, Jamia Millia Islamia. New Delhi on 18 July, 2018

8. Delivered Lead Lecture on Urban Environment: Issues and Challenge, at the International Conference on Livable Cities: Transforming Sustainability and its Challenges, Department of Geography, Shaheed Bhagat Singh College, University of Delhi. February 5th -7th, 2018
9. Delivered Invited lecture on Environmental Issue: Causes and Concern, 4-Week Orientation Programme for Assistant Registrar, UGC-Human Resource Development Centre, Jamia Millia Islamia. New Delhi on 9 Feb. 2018
10. Delivered Key Lecture on Development and Climate Change: Issues and Challenges, at the inaugural Session of National Seminar on Environmental Changes and Sustainable Development: Issues and Challenges S. M. College, Chandausi, Sambhal, Uttar Pradesh during 14 – 15 December 2017
11. Delivered invited lecture entitled ‘Basic Concepts and Techniques of Remote Sensing & GIS Technology at the Department of Economics, AMU Aligarh, on 13 Dec 2016 under the MHRD-GIAN programme on Application of Remote Sensing & GIS in Rural Development.
12. Delivered invited lecture entitled ‘Application of Remote Sensing & GIS Technology in Disaster Management’ 2nd 3-Week Refresher Course in Disaster Management (Inter-disciplinary, at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 20 July to 09 August, 2016, on 29 July 2016.
13. Delivered invited lecture entitled ‘Global Climate Change: Present Day Scenario’ at the 116th 4-week Orientation Programme, at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 19 July to 16 Aug. 2015 on 20 July 2016.
14. Delivered invited lecture entitled ‘Impact of Global Warming and Climate Change on Health Condition’ at the 115th 4-week Orientation Programme, at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 27 April to 25 May 2016, on 02 May 2016.
15. Delivered invited lecture on ‘Steps in the Process of Research Problem, Selection, Formulation and Planning: How to write a Proposal’ in the Research Methodology Course for Social Science Scholars at the Institute of Economics and Finance, Bundelkhand University, Jhansi on 10th March 2016
16. Delivered invited lecture on ‘Nature and Type of Spatial and Non Spatial Data-sets for Social Science Studies’ in the Research Methodology Course for Social Science Scholars at the Institute of Economics and Finance, Bundelkhand University, Jhansi on 10th March 2016
17. Delivered invited lecture entitled ‘Global Climate Change & Environmental Crisis’ at the 4th 3-week Special Winter School, at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 8 -30 Dec. 2015, on 12 Dec. 2015.
18. Delivered invited lecture entitled ‘Developmental Scenario & Environmental Crisis in the Present Day Scenario’ in 114th 4-week Orientation Programme at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 3 Nov. to 3 Dec. 2015, on 4 Nov. 2015

19. Delivered invited lecture entitled 'Developmental Scenario & Environmental Crisis in the Present Day Scenario' in 114th 4-week Orientation Programme at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 3 Nov. to 3 Dec. 2015, on 4 Nov. 2015.
20. Delivered invited lecture entitled 'Space Technology for Sensing Earth Resources in 21st Century' in 113th 4-week Orientation Programme at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 28 July to 25 August May 2015, on 1 August 2015.
21. Delivered invited lecture entitled 'Role of Urbanization and Economic Growth on Environmental Conditions' in the 4th 3 - Weeks Special Summer School, at UGC-Human Resource Development Centre, (Academic Staff College), Jamia Millia Islamia from 6 May to 26 May 2015, on 12 May 2015
22. Chair one Technical session on 26th Feb 2015 at the International Conference on TOURISM, ENVIRONMENT AND DEVELOPMENT, at Magadh University Bodh Gaya, 26th to 28th February 2015
23. Delivered invited lecture entitled Population Growth, Development and the Scenario of Global Environmental Conditions 112th 4-week Orientation Programme, GC-Human Resource Development Centre, (Academic Staff College) Jamia Millia Islamia, 6 April to 2 May 2015 on 9 April 2015
24. Delivered 2 invited lecture entitled 'Globalization, Technological Development and Environmental Issues' to the Masters students of SAARC Countries organised by the UGC-Academic Staff College, Jamia Millia Islamia and South Asia Foundation (SAF) at the UGC-Academic Staff College, JMI on 21 Feb 2015
25. Delivered 2 invited lecture entitled 'Application of Remote Sensing and GIS Techniques for Climatic Hazard' in 1st 3-week Refresher course in Disaster Management (Inter Disciplinary) from 9 February to 2 March 2015 on 13 Feb 2015 at the Academic Staff College, Jamia Millia Islamia, New Delhi.
26. Delivered invited talk entitled 'Global Water Resource: Population, Potentials & Problems' at 111th 4-week Orientation Programme from 04 February to 04 March 2015 at Academic Staff College, Jamia Millia Islamia, New Delhi-25 on 6 Jan 2015
27. Delivered invited lecture entitled 'Consequences of Urbanization and Development: Lessons to be learned' on 5 Jan'15 at 3rd 3-week Special Winter School from 17 December to 08 January 2015, at the Academic Staff College, Jamia Millia Islamia, New Delhi.
28. Delivered invited talk entitled 'Consequences of Urbanization and Development: Lessons to be learned at 3rd 3-week Special Winter School from 17 December to 08 January 2015, at Academic Staff College, JMI, New Delhi-25, on 5 Jan. 2015.
29. Delivered invited talk entitled 'Fundamentals of Satellite Remote Sensing' in the 110th 4 Week Orientation Programme 11 November to 08 December 2014 Academic Staff College, JMI, New Delhi-25, on 14th November 2014

30. Delivered invited talk entitled 'Spatial and Non-spatial data in Research' in the 2nd 3-week Interaction Programme for Ph.D. Scholars, 12 Nov. to 02 Dec. 2014, UGC - Academic Staff College, JMI, New Delhi-25, on 18 Nov 2014
31. Delivered invited lecture on 'Monitoring Environmental Hazards from Space: A Global Perspective' on 10.12.2014, Refresher Course in Disaster Management, 3rd to 24th December 2014, organized by the UGC Academic Staff College, Aligarh Muslim University, Aligarh.
32. Delivered invited lecture on 'Sensing and Mapping Natural Hazards from Space' on 10.12.2014, Refresher Course in Disaster Management, 3rd to 24th December 2014, organized by the UGC Academic Staff College, Aligarh Muslim University, Aligarh.
33. Delivered invited lecture on Sensing from Space: Concepts and Techniques on 9th December 2014 at Special Winter School, at UGC Academic Staff College, Aligarh Muslim University, Aligarh 3 Dec. 2014 Dec. 2014
34. Delivered invited talk entitled 'Waters of Life: Quantity, Quality and Impact in Present Day Scenario: A Global Perspective' at Indo-Bangladesh Water Dialogue II; 'Water Futures-II, IUCN sponsored Water Dialogue for young scholars and professionals from India and Bangladesh, from 26 Oct. to 26-Nov. 2014 at, MAKAIS, Kolkatta, on 28 Oct 2014.
35. Delivered invited lecture on 'Developmental Issue in the 21st Century' at the 109th 4-Weeks Orientation Programme(5 Aug. to 3 Sept 2014) at the Academic Staff College, JMI, New Delhi, on 21st August 2014.
36. Delivered invited lecture on 'Impacts of Development on the Environment' at the 109th 4-Weeks Orientation Programme(5 Aug. to 3 Sept 2014) at the AcademicStaffCollege, JMI, New Delhi, on 21st August 2014.
37. Delivered invited lecture on 'Application of Remote Data Sets & GIS Techniques for the Urban Expansion and Urban Sprawl, at the KamlaNehruCollege, University of Delhi, New Delhi on 4 April 2014.
38. Delivered lecture on Introduction to Data Types in Geospatial Information on 2 June 2014 in the 21 days DST Funded Summer Training Programme on Geospatial Technologies organized by the Department of Geography, Jamia Millia Islamia, New Delhi, 2-23 June 2014.
39. Delivered lecture on Overview of Spatial and non-Spatial Data Sets on 6 June 2014 in the 21 days DST Funded Summer Training Programme on Geospatial Technologiesorganized by the Department of Geography, Jamia Millia Islamia, New Delhi, 2-23 June 2014
40. Delivered invited lecture on 'Disaster Management: An over view and Approaches' on 27th March 2014 in the Refresher Course on Disaster Management 19 March 2014 to 7 April 2014 at the UGC Academic Staff College, Aligarh Muslim University, Aligarh
41. Delivered invited lecture on 'An Assessment & Mapping of Floods & Tsunami: A Geospatial Approach' on 15th April 2014 in the 3 weeks Refresher Course in Disaster Management from 31

March 2014 to 20 April 2014 at the UGC Academic Staff College, University of Allahabad, Allahabad.

42. Delivered invited lecture on 'Global Climatic Hazards in Urban Perspective' on 16th April 2014 in the 3 weeks Refresher Course in Disaster Management from 31 March 2014 to 20 April 2014 at the UGC Academic Staff College, University of Allahabad, Allahabad.
43. Delivered invited lecture on 'Global Environmental Hazards: A Geospatial Approach' on 27th March 2014 in the Refresher Course on Disaster Management 19 March 2014 to 7 April 2014 at the UGC Academic Staff College, Aligarh Muslim University, Aligarh
44. Delivered invited lecture on Application of 'Remote Sensing and GIS in Urban Studies' on 13th March 2014 in the 21 days DST Funded Winter School Training Programme for Capacity building in Geospatial Technologies organized by the Department of Remote Sensing and GIS, University of Jammu, Jammu, 25 Feb- 17 March, 2014.
45. Delivered invited lecture on Application of 'Application Remote Sensing and GIS in Water Resource Management' on 13th March 2014 in the 21 days DST Funded Winter School Training Programme for Capacity building in Geospatial Technologies organized by the Department of Remote Sensing and GIS, University of Jammu, Jammu, 25 Feb- 17 March, 2014.
46. Delivered invited lecture on 'Formulation of Research Proposal' in the 104th 4-week Orientation Programme, at the Academic Staff College, JMI New Delhi, on 15th May, 2013.
47. Delivered invited lecture on 'The State of Urbanization & its Environmental Problems: A Global Perspective' in 107th 4-week Orientation Programme, from 13 Jan to 10 Feb 2014, at the Academic Staff College, JMI New Delhi, on 22 Jan 2014
48. Delivered invited lecture on 'Impact of Development on Climate Change', at the 4-Weeks, 106-Orientation Programme, Academic Staff College, Jamia Millia Islamia on 8th November 2013
49. Delivered invited lecture on 'Formulation of Research Proposal' in the 104th 4-week Orientation Programme, at the Academic Staff College, JMI New Delhi, on 15th May, 2013.
50. Delivered invited lecture on Remote Sensing, Data Sets & Its Applications 104th 4-week Orientation Programme, at the Academic Staff College, JMI New Delhi, on 29 April 2013
51. Delivered invited lecture on Application of Remote Sensing and GIS in Urban Studies, 15th 3-week Refresher Course in Geography & Environmental Studies, Academic Staff College, Jamia Millia Islamia, New Delhi-25, on 2nd February 2013
52. Delivered invited lecture on 'Population, Development and Climate Change' to the participants of 3rd Special Winter Program at the Academic Staff College, JMI New Delhi, on 18th December, 2012.
53. Delivered invited lecture on Basics of Remote Sensing & its Applications on Geospatial Studies during COSMOS at Banasthali University, Rajasthan, on 22nd September 2012.

54. Delivered invited lecture on ‘Global Climate Change’ to the participants of 101th Orientation Program at the AcademicStaffCollege, JMI New Delhi, on 25th July 2012.
55. Delivered invited lecture on ‘Application of Remote Sensing & Geographic Information Systems (GIS) Techniques in Urban Set-up’, on 12th July 2012, at the Summer School on Developing Young Geo-Professionals, July 09-13, 2012, Department of Natural Resources, TERIUniversity, New Delhi.
56. Delivered invited lecture on ‘Research Methodology’ to the participants of 2nd Refreshers Course in Basic Sciences at the AcademicStaffCollege, JMI New Delhi, on 9thMay 2012.
57. Delivered invited lecture on ‘Development and Climate Change’ to the participants of 100th Orientation Program at the Academic Staff College, JMI New Delhi, on 17th April 2012.
58. Delivered invited lecture on ‘Application of Multi-sensor Satellite data for Assessing Impact of Urbanization and Land use/land cover Change on Micro-climate of the Mega city in India’, Department of Chemistry & Chemical Technology, Bronx Community College, **City University of New York, USA**, on 6th April 2011.
59. Delivered invited lecture on ‘A Geo-Spatial Approach for Demographic and Socio-Economic Analysis, and its impact on Local Environment of Delhi’, Center for International Earth Science Information Network (CIESIN),**Columbia University, New York, USA**, on 7th April 2011.
60. Delivered invited lecture on ‘Application of Remote Sensing & GIS in Urban Studies’ to the participants of 13th Refreshers Course at the AcademicStaffCollege, JMI New Delhi, on 28th Feb. 2011.
61. Invited Radio Talk on Noise Pollution, on 29th May 2011, at School of Open Learning, University of Delhi, Delhi University Community Radio Programme (DUCR) https://sol.du.ac.in/SOLSite/DUFM/DuFM_Data.aspx
62. Invited Radio Talk on Water Pollution, on 20th May 2011, at School of Open Learning, University of Delhi, Delhi University Community Radio Programme (DUCR) https://sol.du.ac.in/SOLSite/DUFM/DuFM_Data.aspx
63. Delivered two invited lectures on Digital Image Processing Uses and Applications, in DST funded workshop on Application of Remote Sensing & GIS and GPS in Natural resource Management at the Dept. of Geography, M D University, Rohtak on 19th May 2011.
64. Delivered 2 invited lectures on Application of GIS Techniques for Research in Workshop on Application of GIS Techniques 11-14 November, 2009 for Research at the UGC Academic Staff College, AMU Aligarh.
65. Delivered 3 invited lectures in Special Refreshers course for Ph .D Scholars organised by the Academic Staff College Aligarh Muslim University, Aligarh at Dept of Geography, AMU Aligarh from 18 March to 19 March 2009.

66. Delivered 3 invited extension lectures on Digital Image processing at the Dept. of Geography, MD University Rohtak, Haryana, 2009.
67. Delivered invited lecture on Household Environment and Health in Aligarh City, at the South Asia Institute, **Heidelberg, Germany** on 8th July 1999.
68. Delivered 3 invited lectures for in the Advance DST Training Course on “*Application of Geomatics in Natural Resource Appraisal and Management*” at the Department of Geography, D.D.U. University, Gorakhpur, on 25th & 26th September, 2008.
69. Delivered invited lectures in Refreshers course in Geography, on *Environmental Management*, at the Academic Staff College, University of Nainital, on 28-29th Oct 2008.
70. Delivered invited lecture on ‘*Modern geospatial tools and techniques for complex urban problems: Cases from National Capital Territory of Delhi, India*, on 16th August 2007, at the Centre for International Earth Science Information Network (CIESIN), Lamont-Doherty Earth Observatory Campus, Palisades, **Columbia University, New York, USA**.
<http://www.ciesin.columbia.edu/>
71. Delivered inaugural lecture on *Application & Uses of Remote Sensing & Geographic Information Systems (GIS) in Geographical Studies*, ENVIRON 07, Department of Geography, KamlaNehruCollege, University of Delhi, Delhi, on 6th December 2007.
72. Delivered invited lectures in 9th Refreshers course in Geography, on *Geospatial Tools for Geographers*, at the Academic Staff College, Jamia Millia Islamia, New Delhi on 5th September 2006.
73. Delivered invited lecture in 12th Refreshers course in Geography and Environmental Studies, on *Global Positioning System: Concepts and Techniques*, at the Academic Staff College, Jamia Millia Islamia, New Delhi on 5th September 2006.

Foreign visits

2019 – Dhaka & Rajshahi University, **Bangladesh** to attend the Ph. D Research Group Meeting, 9-12, December 2019

2017 – **Ho Chi Minh City, Vietnam**, to attend 3rd Annual International Conference of International Association for Silk Road Studies (IASS), Co-organized by IASS and Vietnam National University of Social Sciences and Humanities and Sponsored by the Silk-road Universities Network (SUN).

2011 –**USA**, to attended Urban Remote Sensing (URS) workshop at, **Arizona State University (ASU)**, Phoenix, **Arizona, USA**,1-3 April, 2011

2011 - **Canada**, to attended Third International Brain-to-Society International Roadmap Developmental Workshop at **McGill University, Montreal, Canada**, 17-19 March, 2011

2010 – **USA** to participate in the two week workshop cum training programme at Brown University on Climate Change and Its Impacts: Resilience and Adaptation to Changes in Precipitation, at **Brown University** in Providence, **Rhode Island, USA**, June,13 to 26, 2010.

2007 –**USA** to attend International Conference on Environmental Science and Technology American Academy of Sciences (AAS), August 6-9, 2007, **Houston, Texas, USA**.

2007 -**Kenya** to attended Workshop on Urban Population, Development and Environment Dynamics, **Nairobi**, 11-13 June 2007.

2006 – **France** to attended International Conference of the ISEE & International Society of Environmental exposure, **Paris, France**, Sept. 2–6, 2006.

2005 - **South Africa** to attended International Conference of the ISEE, **Johannesburg**, Sept. 13–16, 2005.

2004 - **U.S.A**, to attend the meeting of NASA funded UEM project,at**Arizona State University** (ASU), Pheonix, 14-16, April 2004

2004 - **Poland**, to attend International Conference on “Groundwater vulnerability assessment and mapping" **Ustron, Poland**, 15-18 June 2004.

2003 - **Italy**, to attend the 11th International Conference on Modelling, Monitoring and Management of Air Pollution, **Catania, Italy**,17-19 Sept. 2003.

2000 –**Germany & France**, as a Co-Investigator of the Indo-German joint research project Funded by the Department of Science & Technology (DST), Government of India, New Delhi, and the German Academic Exchange Programme (DAAD), Bonn, Germany.

2000 - **Germany**, to attend the Global conference on the Urban Issues “Urban 21”.**Berlin, Germany**, June 2000.

1999 –**Germany & Holland**, as a visiting scientist and worked at the Department of Urban Landscapes, UFZ-Center for Environmental Research, Leipzig, Germany. Delivered lectures on India’s state of environment in University of Leipzig, at the South Asia Institute, University of Heidelberg.

Contribution to the Administrative Life of the University

- **Principal**, Jamia Sr. Sec. School, JMI (June 2019 - till date)
- **Chairman**, Jamia School Committee, JMI (June 2019 - till date)
- **Member**, Board of Management (BoM), Jamia Schools, (June 2019-till date)
- **Provost (S)**, Hall of Boys Residence (Nov 2015- till date)
- Assistant Proctor, JMI(2009- 2012)
- Warden, Fazlur Rahman Khan Hotel, JMI (2011-2015)

Contribution to the Academic Life of the University

- **Local Coordinator-** MHRD-GIAN, The Global Initiative for Academic Networks (GIAN) (2019- till date)
- **Member,** Standing Committee for Act, Statutes & Ordinances, Jamia Millia Islamia, 2017-till date
- **Member,** FIDC-Faculty Induction Development Committee, JMI (2019 - 2021)
- **Hony. Dy. Director,** (Academic) Jamia Millia Islamia, (May 2015–August 2018)
- **Programme Coordinator,** P.G Diploma in Geo-informatics, Arjun Singh Centre for Distance & Open Learning, JMI, New Delhi. (Distance Mode) (2011-2015)
- **Programme Coordinator,** B A (General), Arjun Singh Centre for Distance & Open Learning, JMI, New Delhi. (Distance Mode) (2015)
- **Member,** Board of Studies (BoS), Dept. of Travel Tourism & Hospitality Management, JMI (2015- till date)
- Member, **Board of Studies (BOS),** Department of Geography, M D University, Rohtak, Haryana 2012 – 2014
- Member, **Board of Studies (BOS),** Department of Geography, Aligarh Muslim University, Aligarh, 2021 - 2023
- **Member,** Board of Studies (BoS), Dept. of English, JMI (2017- till date)
- **Member,** Board of Studies (BoS), Dept. of Geography, Sikkim Central University, Sikkim (2019- till date)
- Superintendent, Entrance Test, B. Tech 2014, Centre No. 51, R K Puram, New Delhi
- Superintendent, Entrance Test, B. Tech 2013, Centre No. 29, Delhi Cantt.
- Coordinator, Admission, Social Science Group (SG-III), JMI, 2012.
- Superintendent, Entrance Test, B. Tech 2012, Centre No. 32, Delhi Cantt.
- Superintendent, Entrance Test, M.C.A/B.A.C.A -2012, JMI, Centre No. 6
- Asstt. Superintendent, Entrance Test, XI, B Arc, M Com -2015, JMI
- Asstt. Superintendent, Entrance Test, IX, B Sc./B.A -2014, JMI
- Asstt. Superintendent, Entrance Test, SG-I, SG-II-2012, JMI, Centre No. 6
- Superintendent, UGC, NET Exam, Dec. 2011, Centre No. 17, Vasant Kunj, New Delhi
- Superintendent, Entrance Test, B. Tech 2011, Centre No. 33, Delhi Cantt.
- Asstt. Superintendent, Entrance Test, XI Class-2011, JMI
- Asstt. Superintendent, Entrance Test, IX Class-2011, JMI
- Member, Central Admission Monitoring Committee, Entrance Test 2011, JMI
- Member, Admission Committee, B.A Programme-2011, JMI
- Asstt. Superintendent, Entrance Test, B. Tech 2010, Science College, Patna
- Asstt. Superintendent, Entrance Test, B. Tech 2009, Faridabad
- In charge GIS& Digital Image Processing (DIP) lab (2005-2010)
- In charge GIS& Digital Image Processing (DIP) lab (2013 - 2015)
- Advisor Jamia Geography Association (2002)

Refresher course and Orientation Programme

- Attended three weeks Refresher course on Geography & Environmental Studies, Academic Staff College, JMI, from 16 Jan-6th Feb. 2009, New Delhi

- Attended three weeks Orientation programme, Academic Staff College, JMI, from 17 Aug-14 Sept. 2005, New Delhi
- Attended three weeks Refresher course in Geography, from 22 Aug. to 11 Sept. 2001, Academic Staff College, AMU Aligarh

Field work and academic training

- Member Educational Tour on Digital Image Processing (DIP) Training Programme for M.A./M.Sc. students at Regional Remote Sensing Centre, CAZRI Campus, Jodhpur (2004)
- Member Educational Tour on Socio-Economic Survey of Tsunami affected Areas in Chennai, Kuddalore and Pondicherry for M.A./M. Sc. students (2008)

Membership of National Scientific Organisations:

- Life Member, Indian Society of Photogrammetry and Remote Sensing, (ISPRS)
- Life Member, National Association of Geographers, (NAGI)
- Life Member, The Deccan Geographical Society of India (DGSI)
- Life Member, Association of Punjab Geographers (APG)
- Life Member, Indian Institute of Geomorphologists (IGI)
- Life Member, Indian Cartographic Association (INCA)

Contribution to Corporate Life of the University

- Member, Organizing Committee, North Zone Inter-University Badminton Tournament, JMI, N Delhi (Dec. 2013)
- Member, Organizing Committee, All India Inter-University Table Tennis Tournament, JMI, N Delhi (Jan. 2013)
- Member, Organizing Committee, All India Inter-University Hockey Tournament, JMI, N Delhi (Dec. 2011)
- Member, Organizing Committee, North Zone Inter-University Hockey Tournament, JMI, N Delhi (Nov. 2011)
- Member, Organizing Committee, North Zone Inter-University Hockey Tournament, JMI, N Delhi (Dec. 2010)
- Member, Organizing Committee, North Zone Inter-University Table Tennis Tournament, JMI, N Delhi (Dec. 2012)
- Member Flying Squad, JMI (2009- 2012)
- Member Anti Ragging Team, JMI (2009- 2013)

Others Academic Contributions/Affiliations

- **Member, Governing Body (GB)**, Gargi College, University of Delhi, Delhi University Nominee (2018-19)
- **Member, Governing Body (GB)**, Acharya Narendra Dev College, University of Delhi, Delhi University Nominee (2018-19)

- **Faculty Coordinator**, Inspired Teachers In-Residence Programme at **Rashtrapati Bhavan**, New Delhi, from 6-12 June, 2015
- Completed minor project on ‘Environmental Impact Assessment (EIA) of Twin City-Hyderabad using Remote Sensing & GIS Techniques’ (P.G. Diploma dissertation of RS/GIS from (CSSTEAP-affiliated to United Nations)).
- Provided assisting and facilitating access to research material for the preparation of project report **UN Habitat Report** on Revisiting Urban Planning in South Asia, Regional study prepared for Revisiting Urban Planning: Global Report on Human Settlements (2009). Jamal Ansari
<http://www.unhabitat.org/grhs/2009><http://www.unhabitat.org/downloads/docs/GRHS2009RegionalSouthAsia.pdf>
- Member of the **National Steering Committee (NSC)** on Technology Need Assessment (TNA) for Habitat sector lead by Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science and Technology, Govt. of India. The National Steering Committee aims to provide an update on the information related to technology gaps, constraints, financial & policy needs with regard to the fulfillment of India’s obligation to the United Nation Framework Conventions for Climate Change (UNFCCC).

(Prof. Atiqur Rahman)