

## CURRICULUM VITAE

1. **Name** : **Dr. MADAN MOHAN**
2. **Designation** : Assistant Professor of Geography  
*United Nations (UN), Academic Member  
Project Director & Course Director, ICSSR (MoHRD)  
Course Coordinator, UGC-ASC, JMI, ND*
3. **Address (Off.)** : Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi - 110 025, INDIA.
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- E-mail** : [drmdnmohan@gmail.com](mailto:drmdnmohan@gmail.com) (O);
4. **Specializations** : *Urban Geography*: - Urban Transformation & Land Degradation; Urban Environment & Development; Regional Development and Planning.  
*Geographic Information Science*: - Geoinformatics: Remote Sensing, Photogrammetry, GIS and GPS, Computer Cartography.



5. **Academic & Professional Qualifications:**

<i>Examination Passed</i>	<i>University/Institution</i>	<i>Year</i>	<i>Subject</i>
<b>D-Geoinformatics Joint IIRS-ITC Program</b>	IIRS & University of Tweente, Faculty of Geo-Information Science & Earth Observation (ITC), Enschede, Netherlands	2008	GEOINFORMATICS
<b>Ph. D.</b>	Jawaharlal Nehru University, New Delhi.	1998	ECOLOGY & DEVELOPMENT
<b>Adv. Cert. P.C. Application</b>	National Institute of Information Technology (NIIT), New Delhi.	1997	COMPUTER APPLICATION
<b>U.G.C. (NET)</b>	University Grants Commission, New Delhi.	1991	HUMAN GEOGRAPHY
<b>M. Phil.</b>	Jawaharlal Nehru University, New Delhi.	1990	URBAN GEOGRAPHY
<b>M. A.</b>	Jawaharlal Nehru University, New Delhi.	1987	GEOGRAPHY
<b>B. A. (Hons.)</b>	University of Delhi, Delhi.	1985	GEOGRAPHY

6. **Professional Recognitions, Awards, Grants and Fellowships Received:**

- i. National Education Test (NET) was qualified for the award of Junior/Senior Research Fellowship and eligibility for Lecturership which was conducted by the University Grants Commission (UGC), New Delhi, in 1991. The UGC-JRF/SRF fellowship was availed to complete research work for the award of Higher Education degrees during M.Phil. /Ph.D. Program.
- ii. The International Institute for Geo-Information Science and Earth Observation (ITC) and International Society for Photogrammetry and Remote Sensing (ISPRS); and the Indian National Science Academy (INSA) awarded the grants for research paper presentation and participation in the *XIX<sup>th</sup> ISPRS Congress Amsterdam 2000*, held at Amsterdam Exhibition and Congress Centre, Amsterdam, The Netherlands.

- iii. The Council for Scientific and Industrial Research (CSIR), the Department of Science and Technology (DST); and the Jamia Millia Islamia (Central University) awarded the grants for research paper presentation and participation in the *XXII FIG International Congress 2002*, held at Marriott Wardman Park Hotel, Washington, D.C., United States of America.
- iv. The Federation of International Geomatics (FIG) and the Local Organising Committee (LOC): Ordre des Géomètres-Experts (OGE), Association Française de Topographie (AFT) and Institut Géographique National (IGN) awarded the Young Surveyors Grants based on the best paper for attending the *FIGWW 2003 and 125<sup>th</sup> Anniversary of FIG*, held at École Nationale des Sciences Géographiques (ENSG) (Cité Descartes – Champs-sur-Marne) Paris, France.
- v. The International Society for Photogrammetry and Remote Sensing (ISPRS) and the Istanbul Technical University (ITU) together awarded the Grants for participation in the *XX ISPRS Congress 2004*, held at Istanbul Convention and Exhibition Centre, Istanbul, TURKEY.
- vi. The Federation of International Geomatics (FIG) awarded the Young Surveyors Grants and the national funding agencies the Council for Scientific and Industrial Research (CSIR) and Indian National Science Academy (INSA) both awarded partial financial assistance (PFA) travel grants for participation in the *XXIV FIG International Congress 2010*, Sydney, Australia.
- vii. The Jamia Millia Islamia (Central University) allocated funds for participation in the international conference from the budget head “Travel Grants” under General Development Grants of University Grants Commission (UGC) for attending and presenting research paper in the *International Geographic Union (IGU) International UGI 2011 Conference*, Santiago, Chile, South America.
- viii. The Technische Universität Dresden (TUD) and the International Cartographic Association (ICA) awarded Young Cartographer’s Grants and the national funding agencies the Council for Scientific and Industrial Research (CSIR) and the Indian Council of Social Science Research (ICSSR) awarded the grants for research paper presentation and participation in the *26 International Cartographic Conference, ICC 2013*, Dresden, GERMANY.
- ix. The United Nation’s (UN) and the Federation of International Geomatics (FIG) along with the Indian National Science Academy (INSA) altogether awarded grants for research paper presentation and participation in the *XXV FIG International Congress, FIG 2014*, Kuala Lumpur, MALAYASIA.

## **7. Professional Work Experiences:**

### ***Assistant Professor of Geography***

Jamia Millia Islamia (Central University), New Delhi, 24<sup>th</sup> October, 2000 to date (13+ yrs);  
 Jawaharlal Nehru University, New Delhi, 25<sup>th</sup> March, 1996 to 23<sup>rd</sup> October, 2000 (4½ yrs).

## **8. Higher Education Research Work Completed for Award of Degrees/Diplomas on Themes:**

- |      |  |
|------|--|
| 2008 | Urban Sprawl Impact Analysis using GIS and Entropy Model: A Study of NOIDA City, INDIA<br><b>(PG Dip. Geoinformatics);</b> |
| 1998 | Ecology and Development in the Indo-Gangetic Divide and the Adjoining Region <b>(Ph.D.);</b>                               |
| 1990 | Processes of Urbanisation and Economic Development in Maharashtra: 1961-81 <b>(M.Phil.).</b>                               |

**9. Post-Doctoral Research Degree/Diploma Completed:**

2008 Post-Graduate Diploma in Geoinformatics, a joint program of the Indian Institute of Remote Sensing (IIRS), Dehradun and University of Tweente, Faculty of Geo-Information Sciences & Earth Observation (ITC), Enschede, Netherlands was successfully completed and awarded in April 2008 at the IIRS Campus, Dehradun, Uttranchal State, INDIA.

**10. Research Experiences/Publications:**

a.	<b>Books:</b>	<b>01</b>
	Already Published	01
	Under Publication	05
b.	<b>Research Papers:</b>	<b>20</b>
	Internationally Published	15
	Nationally Published	05
	Under Publication	05
c.	<b>Research Reviews:</b>	<b>02</b>
	Article Review Published	02

**11. Research Projects Undertaken:**

a.	<b>Major Research Projects:</b>	
	UGC-MRP in Geography (Completed)	01
b.	<b>Major Research Projects:</b>	
	ICSSR-MRP in Geography (on-going)	01
c.	<b>Major Research Projects:</b>	
	UGC-MRP in Geography (Proposed)	01
d.	<b>Minor Research Projects:</b>	
	PG Research Projects (Completed)	08

**12. Research Guidance & Supervision:**

a.	Ph.D. Thesis (submitted/Awarded)	01
b.	Ph.D. Thesis (on-going)	01
c.	M.A./M.Sc. Research Projects(Awarded)	08
d.	M.A./M.Sc. Research Projects(on-going)	02
e.	ADRS GIS Project Report (completed)	06
f.	DRSGIS Project Report (on-going)	04

**13. List of Publications:**

**A. Books Published:**

1. Mohan, Madan (2000) *Ecology and Development*, Jaipur (INDIA) & New Delhi, Rawat Publications, pp. 1-304.

**ISBN 81-7033-570-6**

**B. Peer-Reviewed Research Papers/Articles Published:**

1. Mohan, Madan (2014) "3-D Digital Modelling using Multi-Spectral Remote Sensing Imagery: A Study of Million+ City, Faridabad, Sub-Region of Central NCR, Haryana State, India", **XXV FIG International Congress, FIG 2014 Proceedings**, Kuala Lumpur, MALAYSIA, pp. 1-19.

**ISBN 978-87-92853-21-9 & ISSN 2308-3441**

2. Mohan, Madan (2013) "GeoVisualisation and Spatio-Temporal Modelling from Satellite Imagery: A Study of Million+ City, Ghaziabad, NCR Region, India", in **26 International Cartographic Conference, ICC 2013 Proceedings**, Dresden, GERMANY, pp. 1-19.  
**ISBN 978-1-907075-06-3**
3. Mohan, Madan (2011) "Impact of Delhi Metro Corridors Network on Urban Sprawl in National Capital Region: A Case Study of NOIDA City, India", in **International Geographical Union (IGU) International UGI 2011 Conference Proceedings**, Santiago, Chile, South America, pp. 1-13.  
**ISBN © IGU 2011**
4. Mohan, Madan (2010) "Geospatial information for urban sprawl planning and policies implementation in developing country's NCR Region: A study of NOIDA City, India" in **XXIV<sup>th</sup> FIG International Congress Proceedings**, Sydney, Australia, pp. 1-14.  
**ISBN 978-87-90907-87-7**
5. Mohan, Madan (2009) "GeoSpatial Information Integration, Modeling and Digital Mapping of Urban Sprawl: A Study of NOIDA City, India" **24<sup>th</sup> International Cartographic Conference Proceedings**, Santiago, Chile, South America, 1-14.  
**ISBN © ICA 2009**
6. Mohan, Madan (2005) "Urban Land Cover/Land Use Change Detection in National Capital Region (NCR) Delhi: A Study of Faridabad District", in **FIG Working Week 2005 and GSDI-8 Proceedings**, International Federation of Surveyors (FIG), Cairo, Egypt, pp. 1-15.  
**ISBN 87-90907-43-4**
7. Mohan, Madan (2004a) "Spatial Data Modeling in GIS for Historical Restoration and Conservation of Cultural Heritage of Seven Cities of Delhi", in Orhan, M. Altan (ed.) **International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences**, XX<sup>th</sup> ISPRS Congress 2004, Istanbul, Turkey, Vol. XXXV, Part B, Commission V, pp. 676-682.  
**ISSN 1682-1750**
8. Mohan, Madan (2004b) "Historical Information System for Surveying Monuments and Spatial Data Modeling for Conservation of Cultural Heritage in Delhi", in **FIG 27<sup>th</sup> Working Week Proceedings**, International Federation of Surveyors (FIG), Athens, Greece, pp. 1-17.  
**ISBN 87-90907-30-2**
9. Mohan, Madan (2003a) "Land Encroachment Mapping Through GIS on the Northern Flank of Aravalli Mountain Hills – The Delhi Ridge" in **FIG Working Week 2003 and 125 Anniversary of FIG Congress Proceedings**, International Federation of Surveyors (FIG), Paris, France, pp. 1-16.  
**ISBN 87-90907-27-2**
10. Mohan, Madan (2003b) "GIS-Based Integrated Approach for Monitoring and Modeling of Hyper Urbanisation for Sustainable Environmental Development in Delhi" in **2<sup>nd</sup> FIG Regional Conference Proceedings**, International Federation of Surveyors (FIG), Marrakech, Morocco, pp. 1-15.  
**ISBN 87-90907-28-0**
11. Mohan, Madan (2002) "GIS-Based Spatial Information Integration, Modeling and Digital Mapping: A New Blend of Tool for Geospatial Environmental Health Analysis for Delhi Ridge" in **XXII FIG International Congress Proceedings**, International Federation of Surveyors (FIG), DENMARK, pp. 1-14.  
**ISBN 1-57083-066-5**
12. Mohan, Madan (2001) "Spatial Data for Environmental Management: A GIS-Based Monitoring of Ecological Restoration for Delhi Ridge", in Muralikrishna, I.V. (ed.) **Spatial Information Technology: Remote Sensing and Geographical Information Systems**, B S Publications, Hyderabad, Vol. II, pp. 546-553.  
**ISBN 81-7800-010-5**

13. Mohan, Madan (2000) "Climate Change: Evaluation of Ecological Restoration of Delhi Ridge using Remote Sensing and GIS Technologies", in Beek, K. J. and M. Molenaar (ed.) **International Archives of Photogrammetry and Remote Sensing**, XIX<sup>th</sup> ISPRS Congress Amsterdam 2000, The Netherlands, Vol. XXXIII, Part B7, Commission VII, pp. 886-894.

**ISSN 0256-1840**

14. Mohan, Madan (1998) "Quarrying Activities on the Northern Flank of the Aravallis - An Environmental Impact Analysis", **Indian Geographical Journal**, Vol. 73, No. 2, pp. 130-140.

**ISSN 0019-4824**

15. Mohan, Madan (1992) "Ecology and Development", **JNU NEWS**, Vol. XIII, No. 7, pp. 10-12.

**ISSN 0970-7697**

**C. Research Papers/Articles Reviewed:**

16. Mohan, Madan (1999) "Agricultural Exports, Poverty and Ecological Crisis: Case Study of Central American Countries", **ICSSR Journal of Abstract and Review: Economics**, Vol. 1, No. 2, pp. 32.

**ISBN © ICSSR-2000**

17. Mohan, Madan (1999) "Economic Analysis of Energy Use in Punjab Agriculture", **ICSSR Journal of Abstract and Review: Economics**, Vol. 1, No. 2, pp. 106-107.

**ISBN © ICSSR-2000**

**D. Non-Refereed Periodical Publications:**

18. Mohan, Madan (1992) "Geographic Information System Application for Monitoring Environmental Change and Restoration of Ecological Sustainable Development Over Delhi Ridge", **Proceedings of International Conference on Spatial Information for Sustainable Development**, 2-5 October 2001, Nairobi, Kenya."

**ISBN © FIG 2001**

19. Mohan, Madan (2001) "GIS-Based Spatial Information Integration, Modeling and Digital Mapping: A New Blend of Tool for Geospatial Environmental Health Analysis for Delhi Ridge", **International Archives of Photogrammetry and Remote Sensing**, Vol. 34, Part 4/W5, 29-31 October 2001, Athens, Georgia, USA.

**ISSN © ISPRS 2001**

20. Mohan, Madan (2012) "Geospatial Modelling for urban sprawl using IRS-1C and P-6 Signatures of Remote Sensing: A Case Study of Gurgaon City, NCR Region, India", **Proceedings of XXII<sup>nd</sup> ISPRS Congress 2012**, WG VII/5 & 6, 25 August - 1 September 2012, Melbourne, AUSTRALIA.

**ISSN © ISPRS 2012**

**14. Major Research Projects (MRP-UGC) Completed by Faculty Member:**

Madan Mohan (2009-2011), **Principal Investigator**, "**GeoSpatial Information Integration, Modeling and Digital Mapping of Urban Sprawl: A Study of NCR Region, Delhi**", the Major Research Project (MRP) in Geography subject under the Sciences discipline for the duration of two years (24-months) was awarded and funded by the University Grants Commission (UGC), New Delhi. The MRP-UGC Project was successfully completed and submitted to the University Grants Commission (UGC), New Delhi.

**Completed 2011**

**15. Designing of Post-Graduate New Course and Curricula:**

"**Land Evaluation**" a new course (Optional Paper – XVI-f) was designed and first-time introduced in the academic year 2010-11 in the IV-Semester curricula of the Post Graduate (M.A./M.Sc.) in Geography, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi.

**16. Higher Education – Ph.D. Research Guidance/Supervision:**

**a. Doctoral Thesis Supervision**

2005 “Impact Analysis of Climate Change on the Dynamics of Glaciers in Bhagirathi River Basin, Garhwal Himalaya”. **Awarded 2010**

2010 “Special Economic Zones’ Impact on Physical Landscape and Socio-economic Development in Faridabad and Gurgaon Districts of Haryana”. **On-going 2013**

**b. Post-Graduate (M.A./M.Sc.) – IV Semester Course Project Supervision:**

2009-10 Geographical Distribution of Human Population in the World

Status of Health and Fertility & Mortality in Developing Countries

2010-11 Remote Sensing Data for Urban Sprawl: A Case Study of Kohima City, Nagaland, India

Urbanisation Processes Mapping using GIS: A Case Study of Manipur State, India

2012-13 GeoSpatial Analysis for Environmental Management and Restoration of Aravalli Range: A Case Study of Sariska Tiger Reserve, Alwar, Rajasthan

Environmental Impact Assessment of Natural Hazards in North-East India: A Case Study of Kaziranga National Park, Assam

Quality of Urban Environment and its Restoration during 1981-2011: A Case Study of Delhi

2013-14 Geospatial Processes of Urban Development in Jharkhand State, India

Natural Resources and Environmental Management in the Manipur State, India

**c. PGDRSGIS/ADRS GIS Project Report Supervision:**

2004-05 Delhi Ridge: Implications of Environmental Degradation and its Restoration.

2011-12 Patterns of Land Use and their Transformation in Mewat Region, Haryana

2012-13 Land Use and Land Cover Changes Detection using Remote Sensing in Southern Delhi

2013-14 Land Transformation in the Trans-Yamuna Region: A Study of Eastern Delhi

**17. International/National Congresses/Conferences:**

**A. Paper Presented in International Congresses/Conferences:**

**2014** “**3-D Digital Modelling using Multi-Spectral Remote Sensing Imagery: A Study of Million+ City, Faridabad, Sub-Region of Central NCR, Haryana State, India**”, research paper was presented in *XXV FIG International Congress, FIG 2014* – main theme was “**Engaging the Challenges, Enhancing the Relevance**” organized jointly by the International Federation of Surveyors, FIG and the Association of Authorized Land Surveyors, Malaysia, PEJUTA, held at Kuala Lumpur Convention Centre, Kuala Lumpur, MALAYSIA, 16-21 June 2014.

**2013** “**GeoVisualisation and Spatio-Temporal Modelling from Satellite Imagery: A Study of Million+ City, Ghaziabad, NCR Region, India**”, research paper was presented in *26 International Cartographic Conference, ICC 2013* – main theme was “**From Pole to Pole**” organized jointly by the Technische Universitat Dresden (TUD) and the International Cartographic Association (ICA) held at International Congress Centre, Dresden, GERMANY, 25-30 August 2013.

**2011** “**Impact of Delhi Metro Corridors Network on Urban Sprawl in National Capital Region: A Case Study of NOIDA City, India**”, research paper was presented in International Geographical Union (IGU) International UGI 2011 Conference – main theme was “**United and Integrated with the World**” organized jointly by the International Geographical Union (IGU)

and Military Geographic Institute (IGM) (Instituto Geografico Militar) held at Santiago, Chile, South America, 14-18 November 2011.

- 2010** *“Geospatial Information for Urban Sprawl Planning and Policies Implementation in Developing Country's NCR Region: A Study of NOIDA City, India”*, research paper was presented in *XXIV FIG International Congress 2010* – main theme was *“Facing the Challenges – Building the Capacity”* organized jointly by the International Federation of Surveyors (FIG) and the Surveying and Spatial Sciences Institute (SSSI) held at Sydney Convention Centre, Sydney, Australia, 11-16 April 2010.
- 2004** *“Spatial Data Modeling in GIS for Historical Restoration and Conservation of Cultural Heritage of Seven Cities of Delhi”*, research paper was presented in *XX<sup>th</sup> ISPRS Congress 2004* – main theme was *“Geo-Imagery Bridging Continents”* organized jointly by the Istanbul Technical University (ITU) and International Society for Photogrammetry and Remote Sensing (ISPRS), held at Istanbul Convention & Exhibition Center, Istanbul, Turkey, 12-23 July 2004.
- 2003** *“Land Encroachment Mapping Through GIS on the Northern Flank of Aravalli Mountain Hills – The Delhi Ridge”*, research paper was presented in *FIG Working Week 2003 and 125<sup>th</sup> Anniversary of FIG Congress* – main theme was *“Still on the front line”* organised by Ordre des Géomètres-Experts (OGE), Association Francaise de Topographie (AFT), Institute Géographique National (IGN); and International Federation of Surveyors (FIG), held at École Nationale des Sciences Géographiques (ENSG) (Cité Descartes – Champs-sur-Marne), Paris, France, 13-17 April 2003.
- 2002** *“GIS-Based Spatial Information Integration, Modeling and Digital Mapping: A New Blend of Tool for Geospatial Environmental Health Analysis for Delhi Ridge”*, research paper was presented in *FIG XXII 2002 International Congress* – main theme was *“Geomatics and Property Valuation for Global Sustainable Development”* organized by International Federation of Surveyors (FIG), American Congress on Surveying and Mapping (ACSM), American Society for Photogrammetry and Remote Sensing (ASPRS) and Appraisal Institute (AI), held at Marriott Wardman Park Hotel, Washington, DC, United States of America (USA), 19-26 April 2002.
- 2001** *“Spatial Data for Environmental Management: A GIS-Based Monitoring of Ecological Restoration for Delhi Ridge”*, research paper was presented in *International Conference on Remote Sensing and GIS/GPS (ICORG 2001). Fifth Conference ICORG 2001*, focal theme was *“Spatial Information Technology”*, organised by Centre for Spatial Information Technology, Jawaharlal Nehru Technology University, held at Hyderabad, India, 2-5 February 2001.
- 2000** *“Climate Change: Evaluation of Ecological Restoration of Delhi Ridge using Remote Sensing and GIS Technologies”*, research paper was presented in *XIX<sup>th</sup> ISPRS Congress Amsterdam 2000* – main theme was *“Geoinformation For All”* organised jointly by the International Institute for Geo-Information Science and Earth Observation (ITC) and International Society for Photogrammetry and Remote Sensing (ISPRS), held at Amsterdam RAI International Exhibition and Congress Centre, Amsterdam, The Netherlands, 16-23 July 2000.
- B. International Symposia/Conferences/Workshops/Congresses – Attended:**
- a. *“Engaging the Challenges, Enhancing the Relevance”* the FIG 2014 International Congress was organized jointly by the International Federation of Surveyors, FIG and the Association of Authorized Land Surveyors, PEJUTA, Malaysia, held at Kuala Lumpur Convention Centre, Kuala Lumpur, MALAYSIA, 16-21 June 2014.

- b. ***“From Pole to Pole: Florence of the North”*** the ICA 2013 was organized jointly by the Technische Universität Dresden (TUD) and the International Cartographic Association (ICA) held at International Congress Centre, Dresden, GERMANY, 25-30 August 2013.
- c. ***“United and Integrated with the World”***, the UGI 2011 International Conference was organized jointly by the International Geographical Union (IGU) and Military Geographic Institute (IGM) (Instituto Geografico Militar) at Santiago, Chile, South America, 14-18 November 2011.
- d. ***“Facing the Challenges – Building the Capacity”***, the XXIV FIG International Congress 2010 was organized jointly by the International Federation of Surveyors (FIG) and the Surveying and Spatial Sciences Institute (SSSI) at Sydney Convention Centre, Sydney, Australia, 11-16 April 2010.
- e. ***“Geo-Imagery Bridging Continents”***, the XX<sup>th</sup> ISPRS Congress 2004 was organized jointly by the Istanbul Technical University (ITU) and International Society for Photogrammetry and Remote Sensing (ISPRS) held at Istanbul, Turkey, 12-23 July 2004.
- f. ***“Status of GIS in European Union and South Asia”***, the Inter-GIS: Train-the-Trainer Workshop, co-funded by the European Commission – ‘EU-ASIA Higher Education Networking’ organized by Centre for the Study of Regional Development and University of Salzburg, Austria, held at Jawaharlal Nehru University (JNU), New Delhi, India, 7-9 November 2003.
- g. ***“Still on the front line”***, the FIG WW 2003 & 125 Anniversary of FIG Congress was organised by Ordre des Géomètres-Experts (OGE); Association Française de Topographie (AFT); Institut Géographique National (IGN); and International Federation of Surveyors (FIG), held at École Nationale des Sciences Géographiques (ENSG) (Cité Descartes – Champs-sur-Marne) Paris, France, 13-17 April 2003.
- h. ***“Sustainable Agriculture, Water Resources Development and Earth Care Policies”***, the BVF II<sup>nd</sup> International Conference was organized by Bhoovigyan Vikas Foundation (BVF) (Foundation for Earth Sciences Development), held at New Delhi, India, 18-20 December 2002.
- i. ***“Geomatics and Property Valuation for Global Sustainable Development”***, the FIG XXII 2002 International Congress was organized by International Federation of Surveyors (FIG), American Congress on Surveying and Mapping (ACSM), American Society for Photogrammetry and Remote Sensing (ASPRS) and Appraisal Institute (AI), held at Washington, DC, United States of America, 19-26 April 2002.
- j. ***“Sustainable Development and Sustainable Life Style”***, the BVF I<sup>st</sup> International Conference was organised by the Bhoovigyan Vikas Foundation (BVF) (Foundation for Earth Sciences Development), held at the Jawaharlal Nehru Auditorium, NCU, New Delhi, India, 22-23 April 2001.
- k. ***“Spatial Information Technology”***, the V<sup>th</sup> International Conference on Remote Sensing and GIS/GPS (ICORG 2001) was organised by Centre for Spatial Information Technology, Jawaharlal Nehru Technology University, held at Hyderabad, India, 2-5 February 2001.
- l. ***“Geoinformation For All”***, the XIX<sup>th</sup> ISPRS Congress Amsterdam 2000 was organised by International Institute for Geo-Information Science and Earth Observation (ITC) and International Society for Photogrammetry and Remote Sensing (ISPRS), held at Amsterdam,



The Netherlands, 16-23 July 2000.

- m. ***“Population Growth in Developing Countries”***, the International Symposium was organised by Centre for the Study of Regional Development (CSR D) and International Geographical Union (IGU), held at Jawaharlal Nehru University (JNU), New Delhi, India, 20-24 December 1993.

**C. National Symposia/Conferences/Workshops/Convocations/Congresses – Attended:**

- i. ***“CV Raman International Fellowship for African Researchers”***, the launch ceremony jointly organized by the Department of Science and Technology (DST) and Federation of Indian Chambers of Commerce and Industry (FICCI) attended on 19<sup>th</sup> February 2010 at FICCI, Federation House, Tansen Marg, New Delhi.
- ii. ***“Geoinformatics for Society”***, seminar was organised by Centre for the Study of Regional Development (CSR D), School of Social Sciences, held at Jawaharlal Nehru University (JNU), New Delhi, 23 March 2007.
- iii. ***“Geospatial Digital Learning India – 2007”***, conference was organized by Department of Geography, Kirori Mal College, University of Delhi, Delhi during 17-18 January 2007.
- iv. ***“Our Planet: Humanity, Habitat and Development”***, conference was organized by the Kamala Nehru College, University of Delhi, New Delhi, 12-13 December 2006.
- v. ***“Education and Democratic Citizenship: Beyond the Textbook Controversy”***, seminar was organised by the Academy of Third World Studies, Jamia Millia Islamia (Central University), New Delhi, 17 January 2005.
- vi. ***“Religion, Culture and Society: North India in the Nineteenth and Twentieth Centuries”***, seminar was organised by the Centre for Jawaharlal Nehru Studies and Academy of Third World Studies, Jamia Millia Islamia (Central University), New Delhi, 17-19 December 2004.
- vii. ***“The Nehruvian Agenda Revisited”***, seminar was organised by the Centre for Jawaharlal Nehru Studies, Jamia Millia Islamia (Central University), New Delhi, 7-9 December 2004.
- viii. ***“Remote Sensing: Today and Tomorrow”***, the Remote Sensing Day 2004 Celebration was organised by the Indian Society of Remote Sensing, Delhi Chapter and University of Delhi, Department of Geography, Delhi School of Economics, Delhi University (North Campus), New Delhi, 18 August 2004.
- ix. ***“Agenda for Geography in the First Quarter of 21<sup>st</sup> Century”***, seminar was organised by the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 31 March 2004.
- x. ***“Water and Peace”***, seminar was organized by Faculty of Engineering & Technology, Jamia Millia Islamia (Central University), New Delhi, 28-29 March 2003.
- xi. ***“Emerging Research Themes in Contemporary Geography”***, seminar was organised by Centre for the Study of Regional Development (CSR D), School of Social Sciences, held at Jawaharlal Nehru University (JNU), New Delhi, 4-5 March 2003.
- xii. ***“Management of Higher Education: 21<sup>st</sup> Century Challenges”***, seminar was organized by the Faculty of Engineering & Technology, Jamia Millia Islamia (Central University), New Delhi, 9<sup>th</sup>

February 2002.

- xiii. ***“The Ridge and The City”***, seminar was organised by School of Planning and Architecture (SPA), held at the Auditorium, Architecture Block, School of Planning and Architecture (SPA), New Delhi, 7<sup>th</sup> November, 2001.
- xiv. ***“MicorStation ‘J 7.1 Features & Benefits” and “Business Strategies for GeoEngineering Automation”***, Bently FORUM was organised by the Bently Systems Pvt. Ltd., held at New Delhi, 5<sup>th</sup> November 1999.

**18. Orientation/Refresher Programs/Short Courses/Training Courses/Workshops – Completed:**

- i. ***“13<sup>th</sup> 3-Weeks Refresher Course in Geography & Environmental Studies”*** was successfully completed at the UGC-Academic staff College, Jamia Millia Islamia (Central Univeristy), New Delhi, during 15<sup>th</sup> February to 9<sup>th</sup> March 2011.
- ii. ***“221<sup>st</sup> 3-Weeks Refresher Course in Geography”*** (RC-221) was successfully completed at the UGC-Academic staff College, Himachal Pradesh University, Himachal Pradesh, Shimla, during 10<sup>th</sup> - 30<sup>th</sup> June 2010.
- iii. ***“PG Diploma Course in Geoinformatics”***, was successfully completed at the Indian Institute of Remote Sensing (National Remote Sensing Agency), Department of Space, Govt. of India, Dehra Dun, India, during 02<sup>nd</sup> July 2007 to 25<sup>th</sup> April 2008.
- iv. ***“67<sup>th</sup> 4-Weeks Orientation Program”***, was successfully completed at the UGC-Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 6<sup>th</sup> April to 7<sup>th</sup> May 2004.
- v. ***“Development of Quality Question Paper”***, workshop was attended at the UGC-Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 10<sup>th</sup> - 13<sup>th</sup> January 2003.

**19. Teaching Post-Graduate & Higher Education Level Courses:**

**2011-2012, 2012-2013 & 2013-2014:**

- a. **Post-graduation (M.A./M.Sc.):** - Settlement Geography (Theory Paper II) – I Sem.; Socio-economic Survey (Practical IV) – II Sem.; Geographic Information Systems & GPS (Practical VIII) – IV Sem.; Land Evaluation (Optional Paper XVI-f) – IV Sem.; and Project (Practical VIII) – IV Sem.
- b. **PG Diploma RSGIS (PGDRSGIS):** - Photogrammetry and Cartography (Theory Paper I) – I Sem.; Geographic Information Systems & GPS (Practical III) – I Sem.; Urban Mapping and Planning (Theory Paper VIII) – II Sem.; Urban Area Interpretation (Practical V) – II Sem.
- c. **Under-Graduate (B.A./B.Sc.):** - Man and Environment (Theory Paper III) – II Year.

**2010-2011:**

- a. **Post-graduation (M.A./M.Sc.):** - Settlement Geography (Theory Paper II) – I Sem.; Remote Sensing & Image Interpretation (Practical-I) – II Sem.; Population Geography – Project Supervision – M.A./M.Sc. (F); Systematic & Regional Geography of India (Theory Paper VII).
- b. **Advanced Diploma (ADRSGIS):** - Photogrammetry and Cartography (Theory Paper I) – I Sem.; Urban Mapping and Planning (Theory Paper VIII) – II Sem.; Geographic Information Systems & GPS (Practical III) – I Sem.; Urban Area Interpretation (Practical VI) – II Sem.
- c. **Ph.D. Program:** - Environment and Development (Theory Paper II) – I Sem.

**2008-2010:**

- a. **Post-graduation (M.A./M.Sc.):** - Human Geography (Theory Paper III); Geographic

Information Systems (Practical VII).

- b. **Advanced Diploma (ADRSGIS & ADCAC):** - Remote Sensing and GIS in Urban Area Analysis (Theory Paper V); Geographic Information Systems in Urban Area Analysis (Practical IV); Computer-Assisted Mapping (Practical III).

**2007-2008:**

- a. JMI University deputed on-duty for doing IIRS-ITC Joint Education Program – **PG Diploma in Geoinformatics** at the Indian Institute of Remote Sensing (IIRS), Indian Space Research Organisation (ISRO), Department of Space (DoS), Govt. of India, Dehradun, India and the Faculty of Geo-Information Science & Earth Observation (ITC) of the University of Twente, Enschede, The Netherlands.

**2005-2007:**

- a. **Post-graduation (M.A./M.Sc.):** - Human Geography (Theory Paper III); Geographical Information System (Practical VII).
- b. **Advanced Diploma (ADRSGIS & ADCAC):** - Principles of RS & Image Interpretation (Theory Paper I); GIS in Urban Area Analysis (Practical IV); Computer-Assisted Mapping (Practical III).

**2002-2005:**

- a. **Under-Graduate (B.A./B.Sc.):** - Geography of India (Theory Paper IV); Systematic Geography of India (Theory Paper V).
- b. **Post-graduation (M.A./M.Sc., ADRSGIS & ADCAC):** - Geographical Information System (Practical VII); Remote Sensing: Concepts and Principles (Theory Paper I); Geographic Information Systems in Urban Area Analysis (Practical IV); Computer-Assisted Mapping (Practical III).

**2000-2002:**

- a. **Under-Graduate (B.A./B.Sc.):** - Human Geography (Theory Paper II); Geography of Resource & Environment (Theory Paper III); Statistical Methods & Representation of Population & Economic Data (Practical II); Geography of India (Theory Paper IV); Systematic Geography of India (Theory Paper V).
- b. **Advance Diploma (ADCAC):** - Topographic and Thematic Mapping (Practical II).

**20. Lectures/Presentations Delivered:**

- A. A series of lectures were delivered in the workshop on **“GIS and ARC/INFO Application to Regional Development”**, organised by Centre for the Study of Regional Development, held at Jawaharlal Nehru University, New Delhi, 14-26 November 1999 on the of topics mentioned below:
  - i. DIGITIZATION: Using ARCEDIT Subsystem of ARC/INFO.
  - ii. DIGITIZATION: Using ADS Subsystem of ARC/INFO.
  - iii. TOPOLOGY CREATION: Using BUILD & CLEAN Subsystems of ARC/INFO.
  - iv. DATABASE MANAGEMENT: Using TABLES & JOINITEM Subsystems of ARC/INFO.
  - v. MAP PROJECTION: Digitizer to Real-World Coordinates.
  - vi. PERFORMING GEOGRAPHICAL ANALYSIS: Using BUFFER & OVERLAY Subsystems of ARC/INFO.
- B. Lectures delivered in the **UGC sponsored Refresher Course in Geography** on the following themes:
  - i. **“Fundamentals of GIS and Geospatial Information Abstraction from Real World”**, lecture was delivered in the 12<sup>th</sup> 3-weeks Refresher Course in Geography at the Academic Staff

College, Jamia Millia Islamia (Central University), New Delhi, 22<sup>nd</sup> January 2010.

- ii. ***“Technological Development in Geography and Research Opportunities”***, a half-day interaction was organized for the participants of the 12<sup>th</sup> 3-weeks Refresher Course in Geography at the Department of Geography on-behalf of the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 4<sup>th</sup> February 2010.
  - iii. ***“ArcGIS Capabilities for Real World Problems Solutions”***, revelation was delivered in the 11<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 31 January 2009.
  - iv. ***“GIS Applications in Environmental Studies for Sustainable Development”***, lecture was delivered in the 9<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 8 October 2006.
  - v. ***“GIS Application Techniques for Regional Development and Planning”***, lecture was delivered in the 8<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 27 December 2005.
  - vi. ***“Learning to Solve Environmental Problems through Geographic Information Systems”***, lecture was delivered in the 1<sup>st</sup> 3-Weeks Orientation Programme in Environment at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 28 September 2005.
  - vii. ***“Basics of Computer System’s Operations and working with Micorsoft Word”***, lecture was delivered in the 1<sup>st</sup> 3-Weeks Orientation Programme in Environment at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 27 September 2005.
  - viii. ***“Demonstration on ArcGIS”***, lecture was delivered in the 7<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 7 January 2005.
  - ix. ***“GIS: A New Blend of Tools for Geo-Spatial Analysis and Regional Development”***, and ***“Demonstration of J T Maps”*** lectures were delivered in the 7<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 4 January 2005.
  - x. ***“Aerial Photo Acquisition and its Interpretation”***, lecture was delivered in the 7<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 3 January 2005.
  - xi. ***“GIS-Based Spatial Information Integration and Digital Mapping”***, lecture was delivered in the 5<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 15 October 2001.
  - xii. ***“Fundamentals of Remote Sensing and Photo Interpretation”***, lecture was delivered in the 5<sup>th</sup> 3-Weeks Refresher Course in Geography at the Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 12 October 2001.
- C.** Lectures delivered in the ***School Teacher Refresher Course in Geography*** on the following themes:
- i. ***“Geographic Information Systems and its Application in Utility Management”***, was

delivered for In-Service Course for P.G.T. (Geography) at Institute of Advanced Studies in Education (IASE), Department of Teacher Training, Jamia Millia Islamia (Central University), New Delhi, 20 June 2005.

- ii. ***“Spatial Data Modeling and Mapping in GIS”***, was delivered for In-Service Course for P.G.T. (Geography) at Institute of Advanced Studies in Education (IASE), Department of Teacher Training, Jamia Millia Islamia (Central University), New Delhi, 16 June 2005.
- iii. ***“Geographic Information Systems: The Historical Background and Development”***, was delivered for In-Service Course for P.G.T. (Geography) at Institute of Advanced Studies in Education (IASE), Department of Teacher Training, Jamia Millia Islamia (Central University), New Delhi, 9 June 2005.
- iv. ***“Spatial Data Integration and Analysis in GIS”***, was delivered for In-Service Course for P.G.T. (Geography) at Kendriya Vidyalaya, Vigyan Vihar, Delhi, 13 May 2005.
- v. ***“Computer Cartographic Techniques and Methodologies for Spatial Database Management and Thematic Presentation”***, was delivered at Institute of Advanced Studies in Education (IASE), Department of Teacher Training, Jamia Millia Islamia (Central University), New Delhi, 18-19 June 2002.
- vi. ***“On-Screen Interactive Digitization in AutoCAD Environment”***, was delivered at Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 14 June 2002.
- vii. ***“Digital Geographic Information and Spatial Data Management Systems”***, was delivered at Institute of Advanced Studies in Education (IASE), Department of Teacher Training, Jamia Millia Islamia (Central University), New Delhi, 4 June 2002.
- viii. ***“GIS Feasibility in Sustainable Environmental Development for Delhi Ridge”***, was delivered at Senior Secondary School, INA Colony, organized by the Kendriya Vidyalaya Sangathan, New Delhi, on 2 June 2002.

**D. Lectures and Presentations delivered by the Faculty Member:**

Lectures delivered in the ***ICSSR Research Methodology Course in Social Sciences for Ph.D Students*** on the following themes:

- i. ***“ICSSR Training Program: An Overview of Research Methodology Course for Different Disciplines in Social Sciences for Ph.D Students”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 20<sup>th</sup> February 2013.
- ii. ***“Formulation of Participant’s Committees: Academic Committee – Session’s Daily Proceeding; Discipline Committee, Official Committee etc. of Participants”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 20<sup>th</sup> February 2013.
- iii. ***“Allotment of Assignments during Training Program on Research Methodology Course in Social Sciences: Article Review, Statistical Test, Panel Discussion, Field Work, Report Writing and Computer Exercises etc.”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 21<sup>st</sup> February 2013.

- iv. ***“Research Methodologies in Social Sciences: A Review of an Empirical Studies and its Application in Qualitative Research Production”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 22<sup>nd</sup> February 2013.
- v. ***“Basic Tools of Data Collection: Socio-economic Primary Survey Planning and its Execution from Class Room to the Field Laboratory”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 23<sup>rd</sup> February 2013.
- vii. ***“Primary Field Survey Research Methods: A Local Village Survey of Manjhawali Village, Ballabhgarh Tehsil, Faridabad District, Haryana”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 24<sup>th</sup> February 2013.
- viii. ***“Research Grants Schemes and Facilities in Social Sciences from the ICSSR for Higher Education for Ph.D Students”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 01<sup>st</sup> March 2013.
- ix. ***“Distribution of Certificate to Course Participants of the ICSSR Training Program on Research Methodology Course in Social Sciences for Ph.D. Students”***, ICSSR Research Methodology Course in Social Sciences for Ph.D Students, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 01<sup>st</sup> March 2013.

**E. Invited Talks and Lectures delivered by the Faculty Member:**

- i. ***“Urbanization and Economic Development: An Impact Analysis of Urban Sprawl in National Capital Region, Delhi”***, lecture was delivered in the Annual Day Function 2011, Department of Geography, Shaheed Bhagat Sigh College, Delhi University, New Delhi, 16<sup>th</sup> March 2011.
- ii. ***“Geospatial Science and Remote Sensing Technology Applications in Geography”***, lecture was delivered in the Annual Day Function 2011, Department of Geography, Shaheed Bhagat Sigh College, Delhi University, New Delhi, 16<sup>th</sup> March 2011.
- iii. ***“Spatial and Non-Spatial Database Creation”***, lecture was delivered in the RSGIS Training Program for M.A./M.Sc. students of the Govt. Amar Singh College, Srinagar, Jammu and Kashmir at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi on 6<sup>th</sup> March 2010.
- iv. ***“GIS Spatial Analysis Techniques”***, lecture was delivered in the RSGIS Training Program for M.A./M.Sc. students of the Govt. Amar Singh College, Srinagar, Jammu and Kashmir at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi on 6<sup>th</sup> March 2010.
- v. ***“Spatial Analysis: Overlays”***, lecture was delivered in the RSGIS Training Program for M.A./M.Sc. students of the Govt. Amar Singh College, Srinagar, Jammu and Kashmir at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi on 7<sup>th</sup> March 2010.
- vi. ***“Spatial Analysis: Visualization and Layout Creation”***, lecture was delivered in the RSGIS Training Program for M.A./M.Sc. students of the Govt. Amar Singh College, Srinagar, Jammu

and Kashmir at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi on 7<sup>th</sup> March 2010.

- vii. *“Urban Sprawl Impact Analysis using GIS and Entropy Model: A Study of NOIDA City, INDIA”*, presentation was delivered for the award of PG Diploma in Geoinformatics at the IIRS Campus, Dehradun, Uttranchal, April 2008.
- viii. *“Spatial Data Modeling in GIS: A Geospatial Analysis of Population Environment Nexus for Delhi Ridge”*, Geospatial Digital Learning India – 2007, organized by Department of Geography, Kirori Mal College, University of Delhi, Delhi during 17-18 January 2007.

## 21. Special Responsibilities, Significant Academic Contributions and Achievements:

### i. **Computer Lab Expansion:**

DSA Coordinator, UGC, at the *Jawaharlal Nehru University, New Delhi* appointed me as a special invitee member of the purchase committee for the establishment and expansion of the Computer-Aided Cartographic and Remote Sensing Laboratory at the Centre for the Study of Regional Development (CSRD), SSS, JNU, ND, during 1998-99.

### ii. **Thematic Mapping Through Computer Cartography:**

Using the PC ARC/INFO (Ver. 3.4.2.D), M11DRAW, dBASE IV, QuarttoPro and SPSS PC+ software packages, a series of maps were generated for the book entitled: ***Social Geography***, 1999, by A. Ahmad, published by Rawat Publications, Jaipur (INDIA).

### iii. **Tabulation of Undergraduate Result:**

The Controller of Examination of the JMI Central University assigned the responsibility of the Tabulation and Compilation of Undergraduate Results for the Faculty of Natural Sciences, at the Office of Controller of Examination, Jamia Millia Islamia (Central University), New Delhi, 24<sup>th</sup> June - 15<sup>th</sup> July, 2002.

### iv. **Computer Lab Incharge:**

GIS & DIP Labs, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, during the academic year 2001-2002, 2010-11, 2011-2012, and 2012-13.

### v. **Educational Tours – Socio-economic Primary Field Survey:**

2001 *An Educational Tour – Socio-economic Primary Field Survey* was supervised of the M.A. (Pre.) students of the Department of Geography, Jamia Millia Islamia (Central University), New Delhi. The field survey covered 33 per cent or nearly 500 households from all the four selected villages the Rojka Meo, Raiska, Agon and Raipur from the Mewat Region of the Gurgaon District, Haryana State, which was conducted during 26<sup>th</sup> to 28<sup>th</sup> October, 2001.

2011 *An Educational Tour – Socio-economic Primary Field Survey* was supervised of the M.A./MSc. (II Sem.) Students of the Department of Geography, Jamia Millia Islamia (Central University), New Delhi. The field survey was conducted in the Mewat Region, Gurgaon District, Haryana State, which was conducted during 2<sup>nd</sup> to 5<sup>th</sup> February, 2011.

2012 *An Educational Tour – Socio-economic Primary Field Survey* was supervised of the M.A./MSc. (II Sem.) Students of the Department of Geography, Jamia Millia Islamia (Central University), New Delhi. The field survey was conducted in the Mewat Region of the Gurgaon District, Haryana State and the Jaipur City Region, Jaipur District, Rajasthan State, which was conducted during 1<sup>st</sup> to 10<sup>th</sup> January, 2012.

2013 *An Educational Tour – Socio-economic Primary Field Survey* was supervised of the M.A./MSc. (II Sem.) Students of the Department of Geography, Jamia Millia Islamia (Central University), New Delhi. The field survey was conducted in the Jodhpur District and the Jodhpur City Region of the Rajasthan State, which was conducted during 11<sup>th</sup> to 17<sup>th</sup> January, 2013.

2014 *An Educational Tour – Socio-economic Primary Field Survey* was supervised of the M.A./MSc. (II Sem.) Students of the Department of Geography, Jamia Millia Islamia (Central University), New Delhi. The field survey was conducted in the Bhopal District and the Bhopal City Region of the Madhya Pradesh State, which was conducted during 13<sup>th</sup> to 17<sup>th</sup> February, 2014.

vi. **Advisor, Jamia Geography Association:**

2002 During the academic year 2002-03, a number of academic, co-curricular and field based academic activities were organized for the student at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi.

2008 During the academic year 2008-09, a number of student's related co-curricular, extension and field based academic activities were conducted. The Jamia Geography Association, Geography Newsletter for the months of February and March 2009 which was brought out and recorded all the academic events and programs conducted for the students at the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi.

vii. **Academic/Administrative Contributions - Assistant Superintendent of Exam:**

2008 *Assistant Superintendent*, Bachelor of Engineering (B.E.) Entrance Test 2008-09, held on 29<sup>th</sup> May 2008 at the Faridabad Centre No. 35, Kendrya Vidayala No. 2, Faridabad, Haryana was conducted on 29<sup>th</sup> May 2008.

2010 *Assistant Superintendent*, Bachelor of Engineering (B.E.) Entrance Test 2010-11, held on 29<sup>th</sup> May 2010 at the Patna Centre No. 56, Kendrya Vidayala No. 2, Baily Road, Patna, Bihar State was conducted from 27<sup>th</sup> to 29<sup>th</sup> May 2010.

2011 *Assistant Superintendent*, I-Semester Examination 2011-12, Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi.

viii. **IGNOU – FST Counsellor:**

Counseling for Foundation Course in Science and Technology (FST) since 2002 till present - 2012 for the *Indira Gandhi National Open University (IGNOU)*, at the Jamia Millia Islamia Study Centre, on weekend days at the Department of History, Faculty of Humanities and Languages, Jamia Millia Islamia (Central University), New Delhi.

ix. **CCCP – JMI Counsellor:**

Counsel and taught Geography subject at the Centre for Coaching and Career Planning, Jamia Millia Islamia (Central University), New Delhi in November 2009.

x. **GIS – Consultant:**

GIS Consultant in a project on "Historical Human Settlements GeoVisualisation using GIS", during 2011-12, Archaeological Society of India (ASI), JNU Institutional Area, New Delhi.

22. **Academic and Professional Societies/Organisations Memberships:**

A. **Membership of Academic Bodies:**



- i. *Faculty Committee Member* of the Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, since 2008 till present.
- ii. *Post-Graduate Board of Studies (BOS) Member* for the M.Sc. Applied Geology & PG Diploma in Remote Sensing & GIS Courses of the Department of Geology & Geophysics, University of Kashmir, Srinagar, Jammu & Kashmir since 2009 till present.
- iii. *Editorial Manager* online submission and peer review tracking system for Journal of the Indian Society of Remote Sensing (JISRS) since 2010.
- iv. *Editorial Board Members/Reviewers* for the quarterly published peer reviewed journal *International Journal of Advancement in Remote Sensing, GIS and Geography (JIARSGG)* since March 2013.

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**B. Life membership of the**

- i. *Journal of the Indian Society of Remote Sensing*, Indian Institute of Remote Sensing (IIRS) Campus, Dehradun, Uttranchal, India.
- ii. *Annals of the National Association of Geographers, India*, Department of Geography, Delhi School of Economics, University of Delhi, Delhi, India.
- iii. *Association of Population Geographers of India*, Department of Geography, Punjab University, Chandigarh, Haryana, India.
- iv. *Indian Journal of Regional Science*, Regional Science Association, Kolkata, West Bengal, India.
- v. *Association of Punjab Geographer*, Institute for Spatial Planning and Environment Research, Panchkula, Haryana, India.
- vi. *National Geographical Journal of India*, National Geographical Society of India, Banaras Hindu University, Varanasi, Uttar Pradesh, India.
- vii. *The Deccan Geographer*, The Deccan Geographical Society of India, Department of Geography, University of Pune, Pune, Maharashtra, India

**C. Associate membership of the**

- i. *Boovigyan Vikas Foundation* (Foundation for Earth Sciences Development), New Delhi.

**23. Alumni of International Institutes and Universities:**

- i. *University of Tweente*, Faculty of Geo-information Science and Earth Observation (ITC), Enschede, The Netherlands.
- ii. *Indian Institute of Remote Sensing (IIRS)*, Indian Space Research Organisation (ISRO), Department of Space, Govt. of India, Dehra Dun, Uttranchal State.
- iii. *National Institute of Information Technology (NIIT)*, New Delhi, Delhi, INDIA.
- iv. *Jawaharlal Nehru University (JNU)*, Centre for the Study of Regional Development, School of Social Sciences, New Delhi.
- v. *Delhi University (DU)*, Department of Geography, Saheed Bhagat Singh College, New Delhi.

**24. Academic National Visits to the Universities by the Faculty Member:**

- i. PG Diploma in RS & GIS 2008-09 viva-voce examination was conducted at the Department of

Geology & Geophysics, Kashmir University (KU), Srinagar, Jammu & Kashmir during 7-8 September 2009.

- ii. Member of Post Graduate Board of Studies (BOS), invited to attend the meeting in Applied Geology and PG Diploma in Remote Sensing & GIS courses at the Department of Earth Sciences, University of Kashmir, Srinagar, Jammu and Kashmir which was scheduled to be held on 08 December 2012.
- iii. PG Diploma in RS & GIS 2009-10 & 2011-12, MSc. in Geoinformatics, External Examiner *Geography Department*, Faculty of Natural Sciences, Maharshi Dayanand University (MDU), Rohtak, Haryana.
- iv. M.Tech. in Geoinformatics 2009-10, 2010-11 & 2011-12 External Examiner, Department of Geoinformatics, Guru Jambheshwar University of Science & Technology (GJUST), Hissar, Haryana.
- v. M.Sc. in Environmental Studies 2010-11, External Examiner, viva-voce examination was conducted at the School of Environmental Studies, Faculty of Natural Sciences, University of Delhi, Delhi.

**25. Moderator/Chairing of Session in International Conference:**

International Geographic Union (IGU) appointed Moderator in the Technical Session of the International Conference. There I presided over a Technical Session – Urban Geography and Emerging Urban Transformations on 15<sup>th</sup> November 2011 (09: 30 – 10: 30) in Scientific Program of the International Geographical Union (IGU) International UGI 2011 Conference held at Santiago, Chile, South America, during 14-18 November 2011. **IGU Moderator 2011**

**26. United Nations – Academic Membership:**

The United Nation (UN) and the Federation of International Geomatics (FIG) together appointed as an Academic Member for preparation of actions on the Academic Responsibilities and the Voluntary Guidelines on the Responsible Governance of Tenure (VGGT) and Valuation Standards in education and curriculum development, and in research and knowledge sharing. **United Nations, Academic Member 2014**

**27. Training Programs/Refresher Course/Seminars/Workshops – Organised by Faculty Member:**

2014 **“2<sup>nd</sup> Research Methodology Course in Social Sciences for Ph.D. Students”**, ICSSR (MoHRD) Training Program is to be organized in the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 28<sup>th</sup> July 2014 to 07<sup>th</sup> August 2014. **ICSSR, Course Coordinator 2014**

2014 **“17<sup>th</sup> 3-Weeks Refresher Course in Geography and Environmental Studies”** main theme – *Population, Environment and Development* course was coordinated at the UGC-Academic Staff College, Jamia Millia Islamia (Central University), New Delhi, 2<sup>nd</sup> July – 22<sup>nd</sup> July 2014. **UGC-ASC, Course Coordinator 2014**

2013 **“1<sup>st</sup> Research Methodology Course in Social Sciences for Ph.D. Students”**, ICSSR (MoHRD) Training Program was organized in the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 20<sup>th</sup> February to 1<sup>st</sup> March 2013. **ICSSR, Course Coordinator 2013**

2009 **“Empowerment of Young Geographers”**, Seminar (Panel Discussion) was organized in the Department of Geography, Faculty of Natural Sciences, Jamia Millia Islamia (Central University), New Delhi, 19<sup>th</sup> February 2009. **JMI, Seminar Coordinator 2009**

1999 **“GIS and ARC/INFO Application to Regional Development”**, GIS Workshop organized which was sponsored by the UGC, Department of Special Assistance (DSA) Program at the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, 14-26 November 1999. **JNU, Workshop Coordinator 1999**

**28. Sponsored Research Projects and Higher Education Training Programs undertaken by the Faculty Member:**

Sl. No.	Major Research Projects/ Training Programs	Project Funding Agency	Grants Sanctioned (Rs.)	Duration	Status
1.	“GeoSpatial Information Integration, Modeling and Digital Mapping of Urban Sprawl: A Study of NCR Region, Delhi”	UGC, ND	7,58,700	24-Months (2009-12)	<b>Completed</b>
2.	“1 <sup>st</sup> ICSSR Training Program – Research Methodology Course in Social Sciences for Ph.D. Students”	ICSSR, ND	5,50,000	10-Days (2013)	<b>Completed</b>
3.	“Geovisualisation of Million+ Cities in the Central National Capital Region: An Impact Analysis Study of Delhi Metro Corridors Network on Urban Sprawl”	ICSSR, ND	7,00,000	24-Months (2013-15)	<b>On-going</b>
4.	“2 <sup>nd</sup> ICSSR Training Program – Research Methodology Course in Social Sciences for Ph.D. Students”	ICSSR, ND	5,50,000	10-Days (2014)	<b>On-going</b>

**29. Academic International/Foreign Travels/Countries Visited by the Faculty Member:**

**MALAYSIA** (2014) **The Malaysia, Kuala Lumpur**, was visited during 16-21 June 2014. During the visit I had participated and presented a research paper in the XXV International Congress, FIG 2014, Kuala Lumpur, the **MALAYSIA**.

**GERMANY** (2013) **The Germany, Dresden** was visited during 25-30 August 2013. During the visit I had participated and presented a research paper in the 26 International Cartographic Conference, ICC 2013, Dresden, the **GERMANY**.

**SOUTH AMERICA** (2011) **The South America, Chile, Santiago** was visited during 14-18 November 2011. During the visit I had participated and presented a research paper in the IGU International UGI 2011 Conference, Santiago, CHILE, the **SOUTH AMERICA**.

**AUSTRALIA** (2010) **The Australia, Sydney** was visited during 11-16 April 2010. During the visit I had participated and presented a research paper in the XXIV<sup>th</sup> FIG International Congress 2010, Sydney, the **AUSTRALIA**.

**TURKEY** (2004) **The Turkey, Istanbul** was visited during 12-23 July 2004. During the visit I had participated and presented a research paper in the XX<sup>th</sup> ISPRS Congress 2004, Istanbul, the **TURKEY**.

**FRANCE** (2003) **The France, Paris** was visited during 13-17 April 2003. During the visit I had participated and presented a research paper in the FIG Working Week 2003 and 125<sup>th</sup> Anniversary of FIG Congress, Paris, the **FRANCE**.

**U.S.A.** (2002) ***The United States of America (U.S.A), Washington, D.C.*** was visited during 19-26 April 2002. During the visit I had participated and presented a research paper in the *XXII FIG 2002 International Congress*, Washington, DC, the **UNITED STATES OF AMERICA (U.S.A.)**.

**NETHERLANDS** (2000) ***The Royal Netherlands (Holland), Amsterdam*** was visited during 16-23 July 2000. During the visit I had participated and presented a research paper in the *XIX<sup>th</sup> ISPRS Congress Amsterdam 2000*, Amsterdam, the **NETHERLANDS**.

28<sup>th</sup> June 2014  
**New Delhi.**

***Dr. Madan Mohan***