

Dr. Jyoti Sarup

SUBJECT LINE: Applied Geology, Remote Sensing & GIS,

AREA OF EXPERTISE:

- Geology, Digital Photogrammetry, Microwave & Hyperspectral remote sensing.

ACADEMIC QUALIFICATION:

- PhD – Water Resources Development & Management in Raipur Dist MP using Remote Sensing, & GIS (1995-1998) from Deptt of Applied Geology, Barkatullah University, Bhopal M.P. India
- M.Sc.Tech. in Remote Sensing and Digital Image Processing (1 ½ year degree course)(1991-1993) from Deptt of Applied Geology, Barkatullah University, Bhopal M.P. India
- M.Sc. in Applied Geology,(1987-1989) Holkar Science College, Davi Ahilya University, Indore M.P. India
- B.Sc. in Geology, Chemistry, Zoology (1984-1987)Holkar Science College, Davi Ahilya University, Indore M.P. India

PROFESSIONAL EXPERIENCE: 23+YEARS

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| • 1993-1999 | Lecturer | Dept. of Applied Geology
BU Bhopal M.P. | Taught to M.Sc. Applied Geology &
M.Sc.Tech. Remote Sensing & GIS, |
| • 1999-2006 | Scientist | Centre of Studies in Resources
Engg. IIT Bombay | Taught M.Tech. NRE , guided projects,
Research Projects & Consultancy |
| • 2006-2010 | Faculty Head | Rolta Academy, Rolta India Ltd
Andheri East Mumbai | In-House Training on Geospatial Domain
Live Project Specific Trainings, Recruitments |
| • 2010-2020 | Asso.Prof. | Civil Engg. Dept (RS&GIS Div) | Engg. Geology, Remote Sensing, GIS, Digital
Photogrammetry, Microwave Hyperspectral |
| • 2020-contd | Prof. | Civil Engg. Dept (RS&GIS Div) | Engg. Geology, Remote Sensing, GIS, Digital
Photogrammetry, Microwave Hyperspectral |

PHD THESIS GUIDANCE:

- Nine PhD. Thesis guided
- Two PhD under Guidance.

PROJECT EXPERIENCE:

- Ten Research Projects spons. by DST Delhi at IIT Bombay, MANIT ,Two, Consultancy Project Spons. by Pedilite
- Industry experience on Best Practices & work Flows of AND Navigation, British Telecom, Kitchener water & Gas Utility, Nigeria 3D Feature Collection, Al-Ain DEM projects at Rolta India Ltd.
- 60+ PG Project Thesis guided to M.Tech/M.Sc.Tech./B.Tech.

COURSE FORMULATION:

- NR 643 on Remote Sensing for Sub-Surface Water Resources in CSRE IIT Bombay
- Geospatial curriculum on Remote Sensing, Digital Image Processing, Photogrammetry, Utilities & Comm., Software Tutorials, Exercises, Hands on Practice guide for Software, Evaluation as per Business group Requirement in Rolta India Ltd.

PUBLICATION: 60+Research Papers in International/National Journal, Conferences & Symposium

TECHNICAL SKILLS

- **Technology:** Remote Sensing & GIS, Digital Image Processing, Microwave Remote Sensing, Photogrammetry, Utilities, GPS, Surveying.

- **Software:**

GIS - Microstation V8, ArcGIS 9.3, Onpoint Web GIS, AutoCAD Map, Geo Media Suite V6

DIP- Image Analyst, ERDAS, ENVI, PCI Geomatica

Photogrammetry: Z/I Image Station, LPS, Rolta Photogrammetric Mapper

Utility: ARC FM, G\Tech.

OTHER INFORMATION

- Three short term courses organized as organizing committee.
- 23 International/National Seminar/Symposium /Conference attended
- Appointed as Reviewer for International Journal of Remote Sensing
- Professional Membership of various journals.

AWARDS AND RECOGNITION:

1999	: Young Scientist Award by M.P.C.O.S.T., Bhopal.(M.P.)
1999	: Best Paper Award by Association of Hydrology, INDIA (AHI) Vishakhapatnam.
1993	: First position in Merit in university in M.Sc.Tech. Remote Sensing
1989	: First position in Merit in university in M.Sc.Geology
1988	: First position in Extempore Speech.
1988	: Best Speaker for the Seminar