

Resume

Deepali Gadkari

Professional Experience:

Assistant Professor: Department of Geography, University of Mumbai, Mumbai.

Date: From March 10, 2014 till date

Subjects taught: Geomorphology (Fluvial, Coastal), Remote Sensing and GIS

Research Associate: Science and Technology Park and Department of Geography, University of Pune, Pune.

Date: From February 15, 2013 till date

Project: Solutions for Environmental Contrasts in Coastal Areas (SECOA)

Visiting Scientist Institute of Seismological Research, Gandhinagar, Gujarat.

Date: From October 1, 2012 to January 31, 2013.

Project: Seismic Vulnerability Assessment of Buildings in the Jamnagar City, Gujarat.

Assistant Professor of Geomatics Faculty of Geomatics and Space Applications, CEPT University, Ahmedabad.

Date: From August 26, 2010 to September 30, 2012

Subjects taught: Fundamentals of GIS, Advanced GIS, Cartography, Aerial

Photogrammetry, Digital Image Processing and Cartography

Number of Projects guided: 1

Assistant Professor of Geoinformatics Department of Geography, University of Pune

Date: From November 10, 2008 to August 23, 2010.

Subjects taught: Fundamentals of Remote Sensing, Digital Image Processing.

Number of Projects guided: 4

Research Associate Department of Atmos. & Space Sciences;
(In an ISRO sponsored project) University of Pune, Pune.

Theme: **A study of Geomorphic characteristics and Tectonic Elements in Select Seismically regions of India with Remote Sensing Techniques.**

Date: August, 16, 2007 – November 9, 2008.

Seismic, Remote Sensing, geological and geomorphic data processing using ERDAS 8.7 and ESRI -9, Origin, Excel. Application of long-term earthquake precursors, quantitative geomorphic methods and image analysis for landscape changes. Analysis of seismic patterns in NE India, Muzaffarabad area, Bhuj area and Sumatra area.

Junior Research Fellow Department of Atmos. & Space Sciences.
(In an ISRO sponsored project) University of Pune, Pune.

Theme: **Modelling Spatio-Temporal Changes in Landscape in Seismically Active areas of North-Eastern India with Remote Sensing Techniques.**

From July, 2004 – June 15, 2007

Seismic, Remote Sensing, geological and geomorphic data processing using ERDAS 8.7 and ESRI -9, Origin, Excel. Application of long-term earthquake precursors, quantitative geomorphic methods and image analysis for landscape changes. Analysis of seismic patterns in NE India, Muzaffarabad area, Bhuj area and Sumatra area.

Subject: Remote Sensing Department Of Environmental Science
Lecturer (Visiting) University of Pune, Pune.
Subject taught: Remote Sensing and Aerial Photogrammetry
Year – 2004-2005, 2006-2007

Lecturer Department of Geography
S.N.D.T. Arts and Commerce College,
Karve Road, Pune

Subject taught: Geography
From July, 1998 to July, 2004.

Educational Qualification:

University of Pune, Pune

Degree: **Ph. D.**

Subject: **Remote Sensing, Seismology and Geomorphology**

Date: 13.04.2011

Topic of Research: **‘Identification and Study of the imprints of Seismic Activity in Landforms with Remote Sensing Techniques’.**

Tools: **ERDAS Imagine 9.1, Arc GIS 9.2, Origin.**

C-DAC, Pune, Pune

Degree: **Diploma in Geoinformatics**

Major: **Remote Sensing and GIS**

Dates: 2003

Class/Grade: 69%, ‘B’

A Project on Image Classification

University of Pune, Pune

Degree: **M. Phil.**

Major: **Geomorphology (Coastal Geomorphology) and Remote Sensing**

Dates: 1995-2000

Class/Grade: ‘A’

Dissertation: ‘Estimation of Suspended Sediments in Near-Shore Zone (Diveagar Bay, Maharashtra, India), with Satellite Remote Sensing Techniques’.

Indian Institute of Remote Sensing, Dehradun, Uttaranchal, India.

Degree: **Certificate course in Aerial Photogrammetry and Remote Sensing**

Major: **Aerial Photogrammetry and Remote Sensing**

Dates: April, 2000 to June, 2000

Class/Grade: ‘Distinction’

University of Pune, Pune

Degree: **M.A.**

Major: **Geography (Geomorphology),**

Dates: 1993-1995

Class/Grade: 68%, ‘First Class’

State Eligibility Test

University Grants Commission,
India

Subject: Physical Geography

Eligible to teach at graduate and post graduate levels.

Other Information

- Over 5 years research experience in Geography, Remote Sensing, GIS and Seismology.
- 12 years teaching experience at graduate and post-graduate levels.

Lectures delivered at/ resource person at:

At International level:

- A research paper is selected for presentation in the International Conference being organized by the Royal Geographical Society at London in August, 2016. Title of the research paper 'Temporal variations in 'b'- value for Select Major Seismic Events'.**
- Special Training course on 'Applications of GIS' at **Faculty of Geomatics, Computer Science and Mathematics, Stuttgart University, Germany. (Topics: Multicriteria Analysis, Watershed Management, Network Analysis and Geoprocessing Tools, Date: October 18th to 21th, 2011).**
- Training Programme for Faculty members of **Kelaniya University, Colombo, Sri Lanka, organized of Department of Communication Studies, University of Pune. (Topic: Presentation skills and Applications of GIS) [24th September,2009]**

At National Level:

- Short Term Training Programme on 'Role of Information Technology in Infrastructure Development', **sponsored by CEPT University, Ahmedabad. (Topic: Geomatics and Earthquake Studies; Date: 27.05.2011)**
- Short Term Training Programme on 'Landuse and Environmental Impact Assessment', **sponsored by Government of Gujarat. (Topics: 1.Digital Image Classification and Landuse, 2. Change Detection and Landuse, 3. Weighted overlay Analysis for Environmental Impact Assessment with Leopold Matrix.)**
- Department of Environmental Science, University of Pune as Visiting Faculty** Subject taught: Remote Sensing and Aerial Photogrammetry (M.Sc.)
(Years – 2004-2005, 2006-2007, 2007-2008).

- vii) **Resource person for the Refresher Course organised by Department of Geography, University of Pune (Subject: Aerial Photogrammetry, 2000)**
- viii) **Script – writing and research for the documentary on Geography of Maharashtra (For Central Institute of Indian Languages, Ministry of Human Resource development, Government of India, Mysore.)**
- Attended over 12 National and International seminar, workshops, conferences and presented research papers.

Research published:

- Quantification of Intensity of Landscape Changes using Remote Sensing and GIS with Special Reference to the Bhuj Earthquake (26th January, 2001, M= 7.9): Joshi, K. and Gadkari D.; *Journal of the International Society for the Prevention and Mitigation of Natural Hazards*, ISSN 0921-030X, Nat Hazards, DOI 10.1007/s11069-016-2359-0
- Variations in the Morphology of Potholes along Kukadi Channel at Nighoj-Maharashtra. (2011): Unde, M., Jawre, D.R., and Gadkari, D.; Vol - I , ISSUE - VII [Aug, 2011] : Geography.
- Some Environmental Changes and Their Possible Use in Earthquake Prediction Research. (2007): in ‘Environmental Changes and Geomorphic Hazards’, Singh S., Starkel L. and Syiemlieh H. J. (eds.), Bookwell, New Delhi.
- Identification of Precursory Characteristics of Seismic Gap for Bhuj (7.9 M 2001), Sumatra (9.2 M, 2004) and Muzaffarabad (7.7 M, 2005) Earthquakes’: Gadkari, D., Sukhtankar, R. K., Jog, S. R., and Guha S.K.; *Transactions*, (pub: Institute of Indian Geographers), Vol.29, No. 1, 2007, pp 21-31.
- Fossil Littoral Deposits of Beach and Dune origin at Nandgaon, Coastal Maharashtra. (1998): Karlekar S.N. and Gadkari, D.; *Indian Journal of Geomorphology*, Vol. 3No.2 (July-December) 1998, pp 173-190.
- **Research Guided (in reverse chronological order)**
 - i. **Application of Leopold Matrix weights in Environmental Impact Assessment of Dantiwada Dam with GIS techniques (2011)**
 - ii. **Identification of Salinity Affected Areas In Karha River Basin Using Remote Sensing Techniques. (2010)**
 - iii. **Landscape Change Detection using Remote Sensing Technique with Special Reference to the Bhuj Earthquake (26th January, 2001, M=7.9). (2010)**
 - iv. **Property Tax Management Using GIS Technology for Alandi Nagarparishad, Alandi. (2009)**
 - v. **A Study of Distribution of Forts in Maharashtra on the background of Geographical Factors with GIS tools. (2009)**

- **Script – writing and research for the documentary on Geography of Maharashtra (for Central Institute of Indian Languages, Ministry of Human Resource development, Government of India, Mysore.)**

Conferences and Workshops attended:

- Workshop on BHUVAN (ISRO's Geoportal), held at CEPT University, Ahmedabad (March 23, 2012)
- Thirty Third Annual Conference and International Seminar of Institute of Indian Geographers, organized by Department of Geography and Disaster Management, Tripura University, Agartala, Tripura. (8th – 11th February, 2012)
- National Seminar on Applications of GIS and RS: organized by Department of Geography, University of Pune, Pune.
- Thirtieth Annual Conference of Institute of Indian Geographers, organized by Department of Geography, University of Pune, Pune (20th – 22nd February, 2009)
- Indo-Polish Seminar on 'Environmental Changes and Geomorphic Hazards' organized by North-Eastern Hill University, Shillong (20th – 22nd November, 2006, a paper presented).
- Institute of Indian Geographers' 27th Convention and National Seminar, organized by Department of Geography, University of Jammu, Jammu (23rd to 25th February, 2006, Presented a paper).
- Workshop on Space Technology Applications at JNTU, Hyderabad, organized by Indian Society of Remote Sensing, Hyderabad Chapter. ERDAS India Pvt. Ltd., Hyderabad, Salim Ali Center for Ornithology and Natural History, MOE&F and Center for Spatial Information Technology, J.N.T. University, Hyderabad (18th & 19th May, 2005)
- NDC-USER Interaction Meet at NRSC, Hyderabad (12-13th January, 2004)

Personal Information

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E-mail: *deepaligadkari@gmail.com*

Languages: English, Hindi, Marathi.

Birth date: October 4, 1972.
