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## Curriculum Vitae (May, 2018)

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**Mr. PANDURANG P. CHOUDHARI**

*M.A., B.Ed, M.Phil, SET, NET<sup>3</sup>*

Assistant Professor

Department of Geography, University of Mumbai  
Lokmanya Tilak Bhavan, Vidyanagari, Santacruz (East)  
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### **Academic Qualifications:**

1. Pursuing Ph.D. on “Modeling of Upper Bhima River Watershed Dynamics for Integrated Water resources Management” using SWAT Model, through University of Mumbai.
2. Masters in Geography - Specialization: Remote Sensing & Geomorphology- 2002
3. SET (State Level Eligibility Test) for Lectureship in Maharashtra, 2007.
4. M.Phil from Tilak Maharashtra University, Pune 2007 – Theory Exam Passed, 2007.
5. NET (National Eligibility Test) for Lectureship in India. (December 2012, December 2013, December 2014)
6. Teaching Experience – 9 Years

**Research Interests:** Watershed Management, Land use Land cover change Modeling, and Prediction, Climate Change Impact analysis,

**Courses teaching/ taught:** Geomorphology, Remote Sensing, GIS, Hydrology, Climatology, Environmental Planning and Management, Statistical Geography, Geoinformatics

### **Membership of Academic Institutions:**

1. National Association of Geographers, New Delhi (Life Member)

2. The Deccan Geographical Society, Pune (Life Member)
3. Bombay Geographical Association, Mumbai (Life Member)
4. Indian Metrological Society, New Delhi (Life Member)

### **Software Knowledge:**

- ◆ RS and GIS and Other software: ArcGIS, Arc SWAT, QSWAT, SWAT Editor, SWAT-CUP, HEC-HMS, ERDAS, QGIS, SAGA, GRASS, SPSS and Climate Perturbation Tool etc
- ◆ Programming languages: C language, R Language.

### **Publications:**

1. Paper Published in International Journal of **Taylor & Francis, Journal Geology, Ecology and Landscapes**, entitled “Morphometric based prioritization of watershed for groundwater potential of Mula river basin, Maharashtra, India, **DOI:10.1080/24749508.2018.1452482**, ISSN: (Print) 2474-9508 (Online) Journal homepage: <http://www.tandfonline.com/loi/tgel20>
2. Paper Published in International Research Front Journal-(A Peer –reviewed Impact factor 1.11) Analysis of Morphometric Parameters of a Pavana river basin, India: Using DEM and GIs (pp 333-343) Special Issue August 2016, **ISSN 2320-8341**
3. Paper Published in Edited Book (Society, Politics and Climate Change) entitled “Bottled Water Production and Climate Change: Mitigation Strategies for Climate Change (pp-361-370), Aug 2014, **ISBN: 978-81-924836-2-7**
4. Paper Published in Edited Book (*Environmental Issues & Remedies*) entitled “World Bottled water Industry and Climate Change: Mitigation Strategies for Climate Change (pp-142-150), Aug 2013, **ISBN978-81-927211-4-9**
5. Paper Published in International Journal of Thematics (A Peer –reviewed) entitled “Importance of Growth Centers for Regional Development: A Case study of Dharwad District, Karnataka (pp 28-34) Volume 2, Issue 1, Jan 2013, **ISSN 2277-2995**
6. Published Paper in International Journal of Contemporary Research in India (A Peer-reviewed Journal) entitled “Forecasting of Foreign Tourist Arrivals & Foreign Exchange Earnings of India by 2015: Challenges & Strategies for Tourism Promotion. (pp 46-50), **ISSN – 2231-2137** Special Issue October 2012.
7. Paper entitled “ Application of Remote Sensing GIS and GPS in Roof-Top rain water harvesting of Chowgule College Campus, Margao: A Micro Level Analysis Published in One day State Level Seminar at R.K. Talreja College, Ulhasnagar, Mumbai on 08 September 2012 (**ISBN-978-81-903978-8**)

8. Paper Published in National Conference entitled “ Transportation and Climate Change: Technologies for Climate Change Mitigation for the Transportation Sector of India” , at Mahatma Phule College, Panvel on August 25 2012, (ISBN 978-81-924995-0-5)

**Papers presented:**

- Presented paper on “Prioritization of watershed of Mula River, Maharashtra, India, using Geoinformatics Approach, in two days International conference on Multidisciplinary Research in Geo Environmental Studies for Sustainable Development (MRGESSD) at Solapur University, Solapur, 15<sup>th</sup> to 16<sup>th</sup> September 2017.
- Presented paper on “A study of Urban Sewage on soil and water quality: A case study of Degaon village, Solapur, Maharashtra ” in two days International conference on Multidisciplinary Research in Geo Environmental Studies for Sustainable Development (MRGESSD) at Solapur University, Solapur, 15<sup>th</sup> to 16<sup>th</sup> September 2017.
- Presented a paper on “Assessment of water balance of Pawna river basin using Semi-distributed Hydrological Model- SWAT, 17<sup>th</sup> to 19<sup>th</sup> March 2017, **X<sup>th</sup> IGU International Thematic conference** on “Urbanization, Health and Well being and Sustainable Development Goals” organized by Osmania University at Hyderabad.
- Presented a paper on “Assessment of Spatio temporal variation in Land use and Land cover of Mula river basin using remote sensing and GIS Techniques, in the National Conference “Water and Soil Management for Sustainable Development” at Dr. Babasaheb Ambedkar Marathwada University, 21<sup>st</sup> March 2017.
- Presented a paper on “Analysis of Morphometric Parameters of a Pavana river basin, India: Using DEM and GIS, in the National Conference “Watershed Development in India: Issues and Realities” at Balwant College, Vita, Sangali, 26<sup>th</sup> and 27<sup>th</sup> August 2016.
- Presented a paper on “Change Detection in Land use and Land cover Using Remote Sensing and GIS: A case study of Pune District” in the 5<sup>th</sup> International Conference on Future Earth Perspectives in South Asia(**NAGI**), 5<sup>th</sup> to 7<sup>th</sup> February 2016, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.
- Presented a paper on “Bottled Climate Change, Bottled Water: Developed and Developing Nations” in the International Conference on “Sustainable Planet Earth: Ecological Dimensions and Strategies”, October 17<sup>th</sup> to 19<sup>th</sup> October 2015, Mohanlal Sukhadia University, Udaipur, Rajasthan, India.

- Presented a paper on “Problems and Prospects of mango production and marketing with special reference to Konkan region” in the National Conference on “Resource Management & Agricultural Development in India”, 29<sup>th</sup> to 30<sup>th</sup> September 2014, Jaysingpur College, Jaysingpur, Kolhapur, Maharashtra.
- Presented a paper on “Application of geo-spatial technology for the change detection analysis of forest cover in Rajapur taluka Ratnagiri district, Maharashtra” in the National Conference on “Applications of Remote Sensing and GIS for Society, Environment and Sustainable Development”, 21<sup>st</sup> to 23<sup>rd</sup> march 2014, Department of Geography, University of Mumbai, Mumbai.
- Presented a paper on “GIS Education in India: with special reference to Maharashtra” in the National Conference on “GIS Education, National and International Status”, 30<sup>th</sup> November 2013, Department of Geography, Kumaun University, SSJ Campus, Almora, Uttarakhand.
- Presented a paper on “Application of geo-spatial technology for the change detection analysis of forest cover in Rajapur taluka Rajapur Taluka, Maharashtra” in the National Conference on “Applications of Remote sensing and GIS in Geography”, 3<sup>rd</sup> & 4<sup>th</sup> February 2014, Department of Geography, Abasaheb Marathe college, Rajapur, Maharashtra.
- Presented a paper on “Bottled Water Production and Climate Change: Mitigation Strategies for Climate Change” in the International Conference on “Society, Politics and Climate Change”, 3<sup>rd</sup> & 4<sup>th</sup> December 2012, Nagindas Khandwala College, Malad, Mumbai.
- Presented a paper on “A Critical review of the Performance of Indian dairy Industry with special reference to milk yield per animal per annum” in the National Conference on “New Challenges Before the Indian Dairy Industry”, 10<sup>th</sup> & 11<sup>th</sup> August 2012, Ganpatrao Arwade College, Sangali.
- Presented a paper on “Micro level analysis of flood disaster in Sangali District: A case study of Village Kanegaon” in the National Conference on “Natural Hazards, Food Security and Sustainable development”, 10<sup>th</sup> March 2012, Sangameshwar college Solapur, Solapur.
- Presented a paper on “Prospects of Tourism in Konkan ’entitled “SWAT analysis of Tourism: A case study of Ratnagiri District” in the State Level Seminar on “Prospects of Tourism in Konkan ’entitled “SWAT analysis of Tourism: A case study of Ratnagiri District”, 5<sup>th</sup> December 2011, Abasaheb Marathe College, Rajapur, Maharashtra.

### **Attended International conferences and seminars:**

- ◆ Attended one day National conference on “Emerging Trends in Geography and Environmental Dynamics”, at University Department of Geography, University of Mumbai, Mumbai, 3<sup>rd</sup> March 2018.
- ◆ Attended one day National conference on “Emerging dimensions in geographical research for Sustainable Development”, at University Department of Geography, University of Mumbai, Mumbai, 23<sup>rd</sup> February 2017.
- ◆ Attended Two days National conference on “Promotion and Development of Cartographic Education: Contemporary situation and future plans” at University Department of Geography, University of Mumbai, Mumbai, 30<sup>th</sup> and 31<sup>th</sup> August 2016.
- ◆ Attended Indian Science Congress December 2015 at University of Mumbai, Mumbai.
- ◆ Attended National conference on “Recent Advances in Geography” at University of Mumbai, 30<sup>th</sup> March 2015.
- ◆ Attended one day National Seminar on “Inclusive Growth in Agriculture (Measurement & Policy issues)’ organized by Osmania University, Hyderabad on 10<sup>th</sup> March 2012.
- ◆ Attended Two days National Level Workshop on “Remote Sensing & GIS Application in Geography” organized by Devrukh College, Devrukh, during January 9-10, 2012.
- ◆ Attended in Three day National Conference on “Population, Environment & Tourism” organized by Devrukh college, Devrukh, on 3<sup>rd</sup>-5<sup>th</sup> March 2011.
- ◆ Attended a National Level Conference on “Global Warming: Causes, Consequences and Coping Strategies , organized by Vivekananda College, Chembur, Mumbai held on 22<sup>nd</sup> & 23<sup>rd</sup> January 2010.

### **Professional Training:**

- ◆ Attended a short term course on “Statistical Methods in Social Sciences with R” 18<sup>th</sup> to 24 August 2017, Human Resource Development Centre, University of Mumbai, Mumbai
- ◆ Attended a Short term course on “Soil moisture and soil hydraulic Properties at Micro and macro-scales for water Resources Management”, December 2016 at Indian Institute of Technology (IIT), Bhubaneswar.
- ◆ Participated in the training on “Bhuvan Overview” conducted by National Remote Sensing Centre (NRSC) 7<sup>th</sup> & 8<sup>th</sup> September 2016 at Hyderabad.
- ◆ Attended a Short term course on “Land use / Land cover change Modeling and Prediction” at NIT, Jaipur, July 2016.

- ◆ Attended a Short term course on “Geographic Information system for water resources Management” June 2016 at Shivaji University, Kolhapur.
- ◆ Attended a Short term course on “Climate change Impact Analysis” May 2016 at Indian institute of Engineering, Science and Technology, Shibur, Kolkata.
- ◆ Attended a Short term course on “Hydrological Modeling using SWAT Model” December 2015 at Indian Institute of Technology (IIT) Hyderabad.
- ◆ Attended one day workshop on “Biodiversity Awareness using Open Source Geospatial Software “(FOSS4G), 10<sup>th</sup> September 2015 at Institute of Environmental Science and Research, Pune.
- ◆ Participated in One Week Programme on “Research Methodology in Social Sciences”, 13<sup>th</sup> to 17<sup>th</sup> July 2015 at ICSSR, Vidyanagari, Mumbai
- ◆ Attended short term Course on “ Flood Management using GIS”, 26<sup>th</sup> to 30<sup>th</sup> October 2015 at National Water Academy (NWA), Pune.
- ◆ Attended short term Course on “Structural Measures for flood Management”, 19<sup>th</sup> to 23<sup>th</sup> May 2014 at National Water Academy (NWA), Pune.
- ◆ Attended short term Course on “Non-Structural Measures for flood Management”, 26<sup>th</sup> to 30<sup>th</sup> May 2014 at National Water Academy (NWA), Pune.
- ◆ Participated in two days workshop on “Research Paper writing and Data Analysis using SPSS”, 8<sup>th</sup> to 9<sup>th</sup> July 2013 at Sir. M. Visvesvaraya Institute of Management Studies & Research, Mumbai.
- ◆ Participated in two days workshop on “Frontiers in Geospatial Technology”, 1<sup>st</sup> & 2<sup>nd</sup> July 2013 at Central University of Karnataka, Gulbarga.
- ◆ Attended short term Course on “Principles and Application of Satellite Image Processing”, 25<sup>th</sup> to 29<sup>th</sup> March 2013 at Indian Institute of Technology (IIT) Bombay.
- ◆ Participated in the Short Term Course on SPSS Hands on Training held from 3 Jan to 9 Jan 2013 at Bharathiar University, Coimbatore, and Tamilnadu.
- ◆ Attended Two Days Workshop on Gram ++ software organized by P K College, 30<sup>th</sup> & 1<sup>st</sup> December 2012 at Sawantwadi, Maharashtra
- ◆ Attended a DST sponsored Twenty one Days Programme on Geospatial Technology, 10<sup>th</sup> May to 30<sup>th</sup> May 2012, at Goa
- ◆ Participated in Workshop on “Geoinformatics: Prospects & Application” Organized by Dept of Geography, University of Mumbai held on 4<sup>th</sup> -6<sup>th</sup> March 2009.

### **Lectures Delivered:**

- ◆ Delivered a lecture in University Sponsored NET/SLET examination training workshop on “**How to do Preparation for NET/SET**” at Solapur University, Solapur, 23 January 2018.

- ◆ Delivered a lecture in National Symposium “Emerging Trends in Geosciences Mineral Exploration and Environmental Sciences for Sustainable Development” on “**Applications of GIS and Remote sensing for Sustainable Development of Upper Bhima Watershed**, Organized by Indian Society of Applied Geochemists (ISAG) and Atomic Mineral Division (AMD), Government of India, 20<sup>th</sup> & 21<sup>st</sup> December 2017 at Hyderabad.
- ◆ Delivered a talk on ‘**Application of SWAT Model in Water Resource Management**’ in the One day national conference “Application of Geoinformatics and Economic Development” at Social College, Solapur, 13<sup>th</sup> January 2018.
- ◆ Delivered lecture on “Global Warming and Job Opportunities in Geography” at Mauli Mahavidyalaya, Vadala, 15<sup>th</sup> September 2017.
- ◆ Solapur University, Solapur- School of Earth Science, Department of Environmental Science, January 2017, “Hydrological Modeling using SWAT”.
- ◆ Solapur University, Solapur- School of Earth Science, Department of Environmental Science, January 2017, “How to Prepare for NET / SET Exam”.
- ◆ Social College, Solapur- Department of Geography, January 2017, “Applications of remote sensing and GIS”.
- ◆ Delivered lectures on various themes in 6 days University level Short term workshop January 2016, on “Applications of Remote sensing and GIS in Geography”, Sangmeshwar College, Solapur.
- ◆ Delivered Lectures in 21days Winter Training Program sponsored by Department of Space and Technology (DST) Gov. of India at smt. Chowgule College, on various themes Terrain analysis in saga, Watershed Management, Hydrological Modeling with HEC HMS, Change detection analysis in SAGA, 23<sup>rd</sup> to 27<sup>th</sup> November 2015.
- ◆ Veer Wajekar college- Department of Geography, March 2015, “Job Opportunities in remote sensing and GIS field”.
- ◆ Delivered lecture as a **Resource person** in Two days State level seminar on “Sustainable Development of Rainwater harvesting in Drought Prone areas of Maharashtra, 12<sup>th</sup> February 2014.
- ◆ Veer Wajekar college- NSS Camp, December 2008, “Global Warming Causes and Consequences”.

### **Research Projects:**

- ◆ ***Principle Investigator***, University of Mumbai, Minor research project on, “Effects of Urbanization on LU/LC and Stream flow of Pavana River basin, Western Maharashtra, (Ongoing 2015-16)

- ◆ ***Principle Investigator***, University Grants Commission, Minor research project on, “Functional characteristics of Pilgrims: Case study of Ganpatipule and Pawas. **(Completed 2015)**

**Other:**

- ◆ Reviewed a Research paper of Asian Journal of Geoinformatics, Thailand, on “**Assessment of Spatial Interpolation Techniques for River Bathymetry Generation of Panchganga River Basin Using Geoinformatics Techniques**” in October 2015
- ◆ Passed Online certificate Examination on “Microwave Remote sensing for Natural Resources” Conducted by Indian Institute of Remote Sensing (IIRS), Dehradun

**Date: May, 2018**

**Mr. P P Choudhari**