

CURRICULUM VITAE

DR. SAGAR P. MALI

M.A., (K-SET, NET) M.Sc., M.B.A., M.Phil., Ph.D.

Assistant Professor in Geography

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❖ CARRIER OBJECTIVE

My major aim is to generate responsible and disciplined teachers and citizens for the society and nation. Gain, teach and applied the advance Geoinformatics technology in the Geography to solve the social and environmental problems. Represent my potential skills in Geography to make it more and more scientific and applied. Provide a smart and satisfactory service from my passion to my institute.

❖ RESEARCH SPECIALIZATION

Physical Geography, Economic Geography, Regional Geography, Urban Planning, Watershed Management, GIS, GPS and Remote Sensing technology.

❖ EDUCATIONAL QUALIFICATION

COURSE	PASSING YEAR	UNIVERSITY/ BOARD	RESULT/ CLASS
Ph.D (Geography)	2012-2016	Shivaji University, Kolhapur	Declared
UGC-NET (Geography)	NOV-2014	UGC New Delhi	Qualified
K-SET (Geography)	APR-2014	Karnataka State Eligibility Test, Mysore	Qualified
M.Phil (Geography)	2010-2012	Tilak Maharashtra Vidyapeeth, Pune	First with Dist. ⁿ
M.B.A. (Geoinformatics)	2008-2010	The Global Open University, Nagaland	First Class
M.Sc. (Geoinformatics)	2006-2008	University of Pune, Pune	First Class
M.A. (Geography)	2004-2006	Shivaji University, Kolhapur	First Class
B.A. (Geography)	2000-2004	Shivaji University, Kolhapur	Second Class
H.S.C.	1998-2000	Pune Board	First Class
S.S.L.C.	1997-1998	KSEEB, Bangalore	Second Class

❖ GIS SOFTWARE SKILL

- 1) Arc GIS -10.3
- 2) Erdas Imagine-9.3
- 3) LPS. (Leica Photogrammetry Suite)
- 4) ENVI (Environmental Visualizing Image)
- 5) Arc view 3.2a
- 6) AutoCAD
- 7) QGIS 2.14 with SAGA

❖ PAPER PUBLICATIONS IN INTERNATIONAL- NATIONAL JOURNALS

Sr.No	Paper Title	Journal Name	ISSN	Pub. Date
1	Flood Vulnerability of the part of Karad Region, Satara District, Maharashtra using Remote Sensing and GIS Technique	International Journal of Advancements in Research and technology, Vol.2, Issue 2. Pp. 1-7.	2278-7763	July 2012
2	Morphometric Analysis and Watershed Development Prioritization of Hiranyakeshi Basin in Maharashtra, India	International Journal of Environmental Sciences, Vol. 3, No.1. pp. 525-534.	0976-4402	July 2012
3	Generation of 3D City Model for Urban Utility Information System Using Digital Photogrammetry and GIS Technology	Global Journal of Research in Engineering, Vol.12, Iss.3, Ver.1. pp. 26-30.	2249-4596	Aug.2012
4	Urban-Land Use Land Cover Detection Analysis of Aurangabad City Using Geoinformatics Techniques	International Journal of Scientific Research and Publications, Vol.2, Issue.9. pp. 1-5	2250-3153	Sept. 2012
5	Geoinformatics Application for Urban Utilities Information System: A Case Study of Pune City, Maharashtra, India	International Journal of Computer Applications, Vol.65, No.22, pp. 33-39	0975-8887	Mar. 2013
6	Watershed Characterization and Prioritization of Tulasi Sub-Watershed: A Geospatial Approach	International Journal of Innovative Research in Science, Engineering and Technology, Vol.2, Issue.6. pp. 2182-2189	2319-8753	June 2013
7	Study of Urban Land Suitability Assessment Using Remote Sensing and GIS: A Case Study of Khairgarh in Chattisgarh	International Journal of Computer Applications, Vol.74, No.10, pp.20-26	0975-8887	July 2013
8	Geoinformatic Techniques for Morphometric Analysis of Tarapur Creek Catchment, India	International Journal of Emerging Technology and Advance Engineering, Vol.3, Issue.10, pp.219-223.	2250-2459	Oct. 2013

Sr.No	Paper Title	Journal	ISSN	Pub. Date
9	Network Analysis for Urban Emergency Services in Solapur City, India: A Geoinformatic Approach.	International Journal of Advance Computer Technology, Vol.2, No.5, pp. 56-60	2319-7900	Nov.2013
10	Network Analysis for Urban Utility Services Using Geoinformatic Technique: A Case Study of Solapur City(Maharashtra), INDIA.	International Journal for Innovative Research in Science, Engineering and Technology, Vol.2, Issue.11, pp. 6131-6139	2319-8753	Nov. 2013
11	Micro Level of Soil Degradation in Krishna Canal Command Area (Maharashtra) Using Geospatial Techniques	Caribbean Journal of Science and Technology, Vol.1, pp.160-165.	0799-3757	Dec. 2013
12	Assessment of Soil salinity in Southern Shirol Tehsil of Maharashtra (India) Using IDW Geospatial Technique	International Journal of Agriculture Innovation and Research. Vol. 2, Issue.3, pp.331-335	2319-1473	Dec. 2013
13	Potential Roof Rain Water Harvesting in Pirwadi Village of Kolhapur District, Maharashtra (India): A Geospatial Approach	Quest Journals, Journal of Humanities and Social Science, Vol.1, Issue.4, pp.19-24	2321-9467	Jan. 2014
14	Change Detection Analysis of Hiranyakeshi Basin Using Multi-Temporal Remote Sensing Data and Geoinformatic Technique	International Journal of Research Studies in Science, Engineering and Technology, Vol.1, Issue.2, pp.1-6	2349-4751	May 2014
15	Land Capability Classification in Hiranyakeshi Basin of Maharashtra (India): A Geoinformatic Approach	International Journal of Engineering and Technical Research, Vol.2, Issue.6,pp. 18-21	2321-0869	June 2014
16	Geoinformatics Approach for Watershed Characterization in Kasari Basin of Maharashtra, India.	International Journal of Scientific and Engineering Research, Vol.4, Issue 6, April 2015.	2229-5518	April 2015
17	Ecocrop Model Approach for Agro-climatic Crop Suitability in Bhogavati River Basin of Kolhapur District, Maharashtra, INDIA	Universal Journal of Environmental Research and Technology. Vol 5, Issue 5, pp. 259-264	2249-0256	Nov. 2015
18	Spatio-Temporal Analysis of Sex-Ratio in Satara District of Maharashtra	Communicated with Goa Geographer		April 2016

❖ PAPER PRESENT: NATIONAL / INTERNATIONAL CONFERENCES/ TRAINING

Sr.No	Name of Seminar/ Conference/Workshop	Date	Title of Paper
1.	National seminar on “ Resource Utilization and Regional Development” organized by Shivaji Vidyapeeth Boogol Shikshak Sangh and Department of Geography, Shivaji University Kolhapur.	28 th & 30 th Jan 2005	“Tobacco Cultivation in Nipani Region: A Geographical Study”
2	ICSSR sponsored National seminar on “ Industrialization and Rural Development” organized by Shivaji Vidyapeeth Boogol Shikshak Sangh and Department of Geography, Shivaji University Kolhapur.	25 th to 27 th Feb.2010	“Cadastral Level study of Water logged and Saline area in Krishna Canal Command Area using GIS”
3	UGC Sponsored National seminar on “ Problems and Prospects of agricultural Development in India” organized by Rajashri Chhatrapati Shahu College, Kolhapur.	14 th & 15 th Dec 2011	“Morphometric Analysis and Watershed Development Prioritization of Hiranyakeshi Basin Using GIS Techniques”
4	International Conference on “Geospatial Technologies and Applications” Geomatrix 12, Organized by Center of Studies in Resources Engineering,IIT, Bombay	26 th to 29 th Feb. 2012	“Generation of 3D City Model for Urban Utility Information System using Digital Photogrammetry and GIS technology”
5	International Conference on “ Sustainable Water Resource Development and Management” organized by Department of Environmental Science, Shivaji University, Kolhapur	20 th & 21 st Dec. 2012	Prioritization of Vedganga Sub-Watersheds Using Morphometric & Geoinformatic Techniques
6	International Conference on “ Sustainable Water Resource Development and Management” organized by Department of Environmental Science, Shivaji University, Kolhapur	20 th & 21 st Dec.2012	Application of Change Detection Technique for Land Use/ Land Cover Analysis of Hiranyakeshi Basin
7	National Seminar on “Earth Observation & Geo-information Sciences for Environment and Sustainable Development”, organized by Centre for Geoinformatics, University of Mumbai.	7 th to 9 th Feb. 2013	Detection of Land Capability Classification of Hiranyakeshi Basin Using Geoinformatics Techniques
8	National Seminar on “Resource Appraisal and Sustainable Regional Development” Sponsored by UGC-SAP-DRS-I & Organized by Department of Geography, Shivaji University, Kolhapur	12 th & 13 th March 2013	Application of Geoinformatics in Urban Health Care: A Case Study of Aurangabad City in Maharashtra, INDIA
9	UGC Sponsored two day National workshop on “ Application of Remote Sensing Technology and GIS in Disaster Management ” organized by Elphinston college, Mumbai	20 th & 21 st September 2013	Adoption of roof rainwater Harvesting Technique to Mitigate the problem of water Scarcity: A Geoinformatic Approach
10	Participated in training program on “ Advanced Watershed Modelling in Water Resources ” organized by National Water Academy, Central water commission, Govt. of India	23 rd to 27 th September 2013	Training Programme
11	UGC Sponsored two days national level seminar on “Impact of Urbanization on Environment” organized by D.R.Mane Mahavidyalaya, Kagal	27 th & 28 th Sept. 2013	Urban Solid Waste Management by using Geoinformatics Techniques: A case Study of Gwalior City

Sr.No	Name of Seminar/ Conference/Workshop	Date	Title of Paper
12	Three days International conference on “ Biosciences with Special Reference to Environmental Issues” organized by Department of Zoology, Shivaji University, Kolhapur	19 th , 20 th & 21 st December 2013	Estimation of Soil Erosion of Hiranyakeshi Basin Using RUSLE Model and Geospatial techniques.
13	UGC-SAP,DST-FIST and DST-PURSE sponsored National Conference on “Resource Planning and Development: Indian Scenario”, Organized by Department of Geography and Department of Environmental Science,Shivaji University,Kolhapur	20 th and 21 st February 2015	Identification of less developed Regions and Strategy for their Development: A Case Study of BIMARU States.
14	UGC-SAP,DST-FIST and DST-PURSE sponsored National Conference on “Resource Planning and Development: Indian Scenario”, Organized by Department of Geography and Department of Environmental Science,Shivaji University,Kolhapur	20 th and 21 st February 2015	Sub-Basin wise Run-off Estimation for Water Conservation in Hiranyakeshi Basin: A Geographical Approach
15	ICSSR Sponsored two days National Seminar on “Western Ghat- The World Heritage: Environment and Development” organized by Department of Geography, College of Arts and Science,Dodamarg	26 th and 27 th March 2015	Changing forest of Western Ghats: Application of Tasseled cap and Maximum Entropy Approach
16	National Seminar on “Sustainable Agricultural Development Planning” organized by Department of Geography, Vivekanand College Kolhapur	28 th & 29 th August 2015	“Land Suitability Analysis of Hiranyakeshi Basin using Geospatial Techniques”
17	National Seminar on “Trajectories and Prospects in Geography” Organized by Dept. of Geography, Mumbai University, Mumbai.	30 th & 31 st March 2016	Application of Geo-spatial technology in Spatio-temporal Analysis of Coastal Area: A case Study of Anjunem Beach, Goa

❖ PROJECT WORKS :

- 1. Socio-Economical Study:-** In M.A. done the project on **“Tribal population and its educational status in Maharashtra: A case study of Arivali and Arela villages in Thane district”** Under the Guidance of Mr.S.K.Pawar, Geography Department, Shivaji University, Kolhapur
- 2. Drainage Map of Maharashtra:-** During GIS course prepared a drainage map for whole Maharashtra using GIS technology by integrating ancillary data and spatial data(SOI Toposheet at 1:50000 scale) in Autodesk map 2006, Arc View 3.2a. Software.
- 3. Maha-yield Project:-** Complete pilot project on Tahsilwise **“spatio-temporal analysis of Bengalgram”** in Maharashtra during P.G.B.Sc.(Applied) GIS & RS diploma.
- 4. P.G.B.Sc.Project:-** Complete project on **“Cadastral Mapping Of Water Logging And Saline Areas In Krishna Canal Command”** contributing with DIRD Department Pune Division, Government of Maharashtra, under the guidance of Ms. Dr. Vrishali Deosthali (Reader and coordinator) during P.G.B.Sc. (Applied) GIS and RS diploma at Geography Department, University Of Pune.

5. Maha-Soil Project:- During M.Sc. Geoinformatics did pilot project to separated Agriculture and Non-Agriculture area from satellite image of Maharashtra with special reference to Bid District. in ArcGIS 9.1 Software.

6. Mobile Mapping Project of Pune University: - Complete Mobile mapping survey of Pune university campus by taking **Google Earth** image and Georeferencing in ERDAS Imagine 8.7 Software.

7. Project on Digital Image Processing:- In Parola Tahsil Awifs image Of Bid District done Digital Image Processing and generate super, unsuper classification image, NDVI, HIS, Texture, ANN and PCA in ERDAS Imagine 9.1 & ENVI 4.2 Software.

8. NUIS Project: - In Survey of India, Pune worked on NUIS project (National Urban Information System) under the guidance of Mr.A.K.Singh (Deputy Superintending Surveyor Maharashtra and Goa GDC, Survey Of India, Pune), which is live project of IIRS(Indian Institute of Remote Sensing). In that we demarked the Municipal areas on high resolution merged (PAN+LISS-III) satellite image.

9. M.Sc Project on Digital Photogrammetry:- In M.Sc.Geoinformatics completed 6 Months project entitled, **“Urban Utility Information System using Digital Photogrammetry and GIS Technology”** at Survey of India (SOI), Pune under the guidance of Major General V.R.Mahendra, Additional Surveyor General, Maharashtra and Goa GDC, Govt. of India and Shri. B. Tripathy, superintending surveyor, Maharashtra & Goa, GDC, Pune -06.

10. M.B.A. Project on Urban Utility Information System:- During M.B.A. from The Global Open University, Nagaland, did the project on **“ Urban Utility Information System of Pune City”** under the supervision of Dr. R.S. Deshmukh, Director, Micro Technology (India) Pvt. Limited, Pune.

11. M. Phil Project on City Sanitation Planning :- In my M. Phil programme from Tilak Maharashtra Vidyapeeth,Pune. I did my project research entitled, **“City sanitation Planning (CSP) of Gwalior City Using Geoinformatic Techniques”** under the guidance of Dr. J.B. Chougule, Principal Miraj Mahavidyalaya Miraj.

12. UGC Major Research Project: - Worked as a **Project Fellow** on UGC major research project of **Rs: 14,50,000/-** on the topic entitled, **“Watershed Development and Management in Hiranyakeshi Basin: A Geoinformatic Approach”** under the supervision of Prof.C.T.Pawar, Principal Investigator and Dr. S.S.Panhalkar, Co-Investigator of the Project during May 2011 to January 2014.

13. Ph.D. in Integrated Watershed Development :- Ph. D awarded from Shivaji University, Kolhapur on the research topic entitled, **“Integrated Watershed Development of in Hiranyakeshi Basin: A Geoinformatic Approach”** under the guidance of Dr. S.S. Panhalkar, Associate Professor, Dept. of Geography, Shivaji University, Kolhapur.

❖ PROJECT GUIDANCE

1. Project Guidance to the Students of P.G.B.Sc.(Applied) GIS and RS , Pune University, Pune, project entitled, ***“Urban Utility Information System of Aurangabad Municipal Corporation using GIS and Remote Sensing Technology”***. In 2009
2. Guidance for various projects to the Students of MICT-GIS training program at Micro Associates Consultancy (India) Pvt. Ltd. Pune – 411038 in 2009-2011
3. Project Guidance to M.Sc. Geoinformatics students of Pune University for their summer projects at Micro Technology (India) Pvt. Ltd, Pune in 2009
4. Co-guided to one batch of the students of P.G. Diploma in Geoinformatics, Dept. of Geography, Shivaji University, Kolhapur with the research topic entitled, ***“Impact Assessment of Takari Irrigation Project Using Geoinformatics”*** in year 2011-2012.
5. Co-guided to one batch of the students of P.G. Diploma in Geoinformatics, Dept. of Geography, Shivaji University, Kolhapur with the research topic entitled, ***“Appraisal of Urban Sprawl and Network Analysis of Kolhapur City: A Geoinformatic Approach”*** in year 2011-2012.
6. Guided M.A. student for their dissertation research work entitled, ***“Impact of tourism on local people: A Case study of two religious destinations in Ponda: Goa”*** at Department of Geography and Research Center, Parvatibai Chowgule College of Arts and Science, Margao, Goa in April 2016
7. Guided M.A. student for their dissertation research work entitled, ***“Changing Land Use and Land Cover from Tourism Prospective Using Geospatial Techniques: A Case Study of Anjunem Beach in Goa”*** at Department of Geography and Research Center, Parvatibai Chowgule College of Arts and Science, Margao, Goa in April 2016.
8. Guided M.A. student for their dissertation research work entitled, ***“City Growth and Road Network Efficiency: Maseru City, LESETO”*** at Department of Geography and Research Center, Parvatibai Chowgule College of Arts and Science, Margao, Goa in April 2016

❖ PROFESSIONAL EXPERIENCE

1. **Company Name:** Micro Associates Consultancy (India) Pvt.Limited, Pune
Designation: GIS Analyst/GIS Engineer
Joining Date: August 2008 **Resignation Date:** April 2011
Nature of Work: Geoinformatics course teaching, Web-GIS Mapping, City Sanitation Planning of Ashta, Raisen, Khajuraho and Gwalior city of MP. in collaboration with CEMDS, Vienna based NGO.
Total Experience: 2 year and 10 Months

2. **Institute Name:** Department of Geography, Shivaji University, Kolhapur
Designation: Project Fellow, UGC Major Research Project
Project Investigator: Prof. C.T.Pawar and Dr. S.S. Panhalkar
Project Period: May 2011 to Jan 2014
Total Experience: 2 Year 9 Months
3. **Institute Name:** Department of Geography, Shivaji University, Kolhapur
Designation: Visiting Faculty (on CHB basis)
Class: P.G.Diploma in Geoinformatics Course
Work Period: July 2012 to April 2013, July 2013 to April 2014
Total Experience: 1 Year 8 Months
4. **Institute Name:** Parvatibai Chowgule College of Arts and Science, Margao,GOA
Designation: Assistant Professor in Geography
Classes: B.Sc, M.A., and P.G.Diploma in Geoinformatics course
Work Period: December 2014 to April 2015 and June 2015 to April 2016.
Total Experience: 1 year 4 Months

TOTAL EXPERIENCE: 8 year 7 Months

❖ EXTRA ACTIVITIES

- 1) **First Prize In ‘Indian Culture 2005’:** in University Level *“Indian Culture 2005”* competition on ‘Swami Vivekananda life and his Philosophy’ from Solapur Region which organized by ‘Ramakrishna Mission’ Kanyakumari in December 2005.
- 2) **Best Participants Award in Nature Training Camp 2006 :** Awarded with *Best Participants* in Nature Training Camp organized by ‘Green Guards, Kolhapur and Shivaji University, Kolhapur during 16th May to 25th May 2006.
- 3) **N.S.S Certificate:-** Successfully completed two years in National Service Scheme (N.S.S) with 10 days Special Camp in Galgale (Tal:- Kagal. Dist:-Kolhapur) village under Shivaji University branch in 2006
- 4) **Certificate from IIRS:-** for participation in six weeks basic training course in Remote sensing(RS),Geographical Information System(GIS) & Global Positioning System(GPS) During January-April 2007 Virtual workshop organized by Indian Institute of Remote Sensing, Govt. of India.
- 5) **International Best Paper Award:** “INRIA BEST PAPER AWARD” got for the presentation of research paper entitled, “Generation of 3D City Model for Urban Utility Information System Using Digital Photogrammetry and GIS Technology” in international conference at Indian Institute of Technology (IIT), Mumbai in Feb,2012.

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