



AMOL JARAG

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Education

PhD (Flood Hydrology & Geoinformatics)
Shivaji University, Kolhapur

M.Tech (Rural Technology)
Shivaji University, Kolhapur

M.Sc. (Geoinformatics)
Solapur University, Solapur

M.A/M.Sc. (Geography)
Shivaji University, Kolhapur

UGC-NET. (Geography)

Work Experience

Assistant Professor & Head at Department of Geography,
Shikshanmharshi Dr. Babuji Salunkhe College Miraj (March 2016
to till).

JRF & SRF (NRDMS, DST) at Department of Geography, Shivaji
University, Kolhapur
(June 2012 to Feb 2016).

Additional work Experience

Non-Governmental Member, Flood Management Committee,
Kolhapur (Jan 2024 – Present)

Academic Contribution, AMRUT Scheme, Government of
Maharashtra (Oct 2021 – 2023)

Advisory Member (GIS), Western Maharashtra Devasthan
Samiti, Kolhapur (Sep 2019 – 2022)

Academic Member, Sahityaratna Lokshahir Annabhau Sathe
Copor. Government of Maharashtra (Sep 2022 – 2023)

Technical Member, Water Resources Department, Kolhapur

Projects

- ICSSR Major Project: Rs 8,00,000/- (Ongoing)
- Shivaji University Minor Project: Rs 60,000/-
- Mansurshti Consultancy Project: Rs 1,00,000/-

Technical skills

Programming languages:

Python, Java, R programming.

Hydrology & Hydraulic Models:

HEC-RAS, HEC-GeoRAS, HEC-HMS, HEC-GeoHMS, Arc-SWAT

Softwares:

ArcGIS, QGIS, Global Mapper, Leica Processing Software,
ERDAS Imagine, LPS, ENVI, SNAP, NEST & Polar-SAR
Google Earth Engine, Power BI, SPSS, MS-Excel.

Surveying Instruments:

Total Station and differential GPS

Publications

Current Science, Entitled- "Flood Risk Assessment of Panchganga
River (Kolhapur District, Maharashtra) Using GIS-Based Multicriteria
Decision Technique" Vol. 112(4), 785-793, 25 February, 2017

Asian Journal of Geoinformatics, Entitled- Assessment of Spatial
Interpolation Techniques for River Bathymetry Generation of
Panchganga River Basin Using Geoinformatics Techniques, ISSN:
1513-6728 Vol. 15(3), 10-15, January 2015.

International Journal of Earth Sciences & Engineering Entitled-
Generation and Accuracy of Digital Elevation Model Using Digital
Photogrammetry and DGPS Techniques, ISSN 0974-
5904.09(01):116-121 · February 2016

International Journal of Engineering Research and Technology
(IJERT), Entitled- Vulnerability Assessment of Soil Erosion of
Panchganga Basin Using Geoinformatics Techniques, (ISSN;2278-
0181), Vol. 3 Issue 6, June 2014.

Training

Flood Forecasting Techniques, Microwave Remote Sensing and
Applications, Applications of Remote Sensing and GIS for Natural
Resources, Geodynamic Modeling, Disaster Risk Management,
Geospatial Technologies for urban & Regional planning, etc.

Research Guidance

IAS: 01
M. Tech: 05
B. Tech: 20
M.Sc.: 18
PG Diploma: 15