



ASHISH NAVALE

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Education

PhD (2019-present)

Centre for Studies in Resources Engineering
Indian Institute of Technology, Bombay

M.Tech (2017-2019)

Remote Sensing and GIS (Atmospheric Sciences)
Indian Institute of Remote Sensing, ISRO

M.Sc. (2014-2016)

Geography
University of Pune

B.Sc. (2011-2014)

Geography, Physics, Mathematics, Statistics
University of Pune

References

Prof. Karthikeyan Lanka

(Centre for Studies in Resources Engineering, IIT, Bombay)
karthikl@iitb.ac.in

Dr. Charu Singh

(Scientist SE, Indian Institute of Remote Sensing)
charu@iirs.gov.in

Dr. Dipanwita Haldar

(Scientist SF, Indian Institute of Remote Sensing)
dipanwita@iirs.gov.in,

Prof. A.G.Dhorde

(Department of Geography, Savitribai Phule Pune University)
amitdhorde@unipune.ac.in

Technical skills

Programming languages :

MATLAB, Python, Java, R programming.

Numerical Models :

WRF-ARW, WRF-Chem, ARL HYSPLIT

Softwares :

ArcGIS, QGIS, VAPOR, Global Mapper, Leica Processing
Software, ERDAS Imagine, ENVI, SeaDAS, SNAP,
IBM SPSS, XLSTAT, SigmaPlot MS-Excel.

Surveying Instruments :

Total Station and differential GPS

Publications

Navale, A., Singh, C., Budakoti, S., & Singh, S. K. (2020).

Evaluation of season long rainfall simulated by WRF
over the NWH region: KF vs. MSKF.

Atmospheric Research, 232, 104682.

<https://doi.org/10.1016/j.atmosres.2019.104682>

Navale, A., & Singh, C. (2020).

Topographic sensitivity of WRF-simulated rainfall
patterns over the North West Himalayan region.

Atmospheric Research, 105003.

<https://doi.org/10.1016/j.atmosres.2020.105003>

Navale, A., & Haldar, D. (2019).

Evaluation of machine learning algorithms
to Sentinel SAR data.

Spatial Information Research,

1-11. <https://doi.org/10.1007/s41324-019-00296-8>

Work Experience

Hiring Research Assistant at Department of Geography,
University of Pune under Dr. Amit Dhorde
(July 2016 to December 2016).

Contributory Teacher at Department of Geography,
University of Pune.
(December 2016 to May 2017).

Notable Achievements

- Recipient of Golden Jubilee Fellowship at Indian Institute of Remote Sensing during M.Tech.
- Qualified for Junior Research Fellowship (JRF) by UGC.
- Awarded Lectureship for Geography by CSIR-UGC NET (June 2016).
- Ranked first in University of Pune in M.Sc. Geography.

Projects

M.Tech : Experiments with Numerical model to understand the rainfall pattern over the North-West Himalayan region.

M.Sc : Application of heat Index (HI) and Physiological Equivalent Temperature (PET) index for Pune and Mumbai city.