

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



Dr. Mrs. ANARGHA AMIT DHORDE

Professor & Head Department of Geography

Dean, Faculty of Science

Highest Qualification: **Ph.D.**

Specialization: **GEOMORPHOLOGY**

Official College Email: aadhorde@nowrosjeewadiacollege.edu.in

PROFESSIONAL SNAPSHOT

Dr. A. A. Dhorde is an accomplished academican and Geography educator with extensive experience in teaching, research, curriculum development, and academic administration. Her teaching expertise encompasses Geomorphology, Physical and Environmental Geography, Remote Sensing and GIS, and Geospatial Techniques, with a strong emphasis on experiential and field-based learning. Her research interests focus on coastal geomorphology, urban growth, coastal ecology, environmental change, and geospatial analysis. She is entrusted with key academic leadership responsibilities as Head of the Department of Geography, Dean of Science, and College Research Coordinator, contributing to academic planning, research promotion, institutional coordination, and institutional development. Her academic work integrates geographical perspectives, geospatial technologies, and field-based approaches to address contemporary environmental and societal challenges.

EDUCATION

Qualification	University / Institution	Year
Ph.D.	Savitribai Phule Pune University, Pune	2004
M.A. Geography	Savitribai Phule Pune University, Pune	1997
SET	Savitribai Phule Pune University, Pune	2001

TEACHING & ACADEMIC INTERESTS

• Geomorphology • Coastal & Fluvial Geomorphology • Coastal Socio-Environmental Studies • Geoinformatics

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: **Coastal Geo-Environmental Studies, Geomorphology, Urban Growth and Environmental Change, RS & GIS**

Selected Publications:

- Bar, R., **Dhorde, A.A.** (2026): Assessment of groundwater quality for drinking and irrigation purpose of Alibag Tehsil, Raigad district, Maharashtra. *Discov Geosci* **4**, 299 (2026). <https://doi.org/10.1007/s44288-026-00671-7>
- Dhorde, Anargha A.**, Raut, T.P., Dhorde, A.G., Neha Gautam (2025): Assessing Basin Characteristics in the Mula-Mutha Watershed: Using Sub-Basin Morphometry and Principal Component Analysis. *Geogr. Nat. Resour.* **46**, 105–116 (2025). <https://doi.org/10.1134/S187537282570012X>, **Impact factor: 0.4**
- Deshpande, G., **Dhorde Anargha A.** (2024): Validating the Curve Number estimation approaches: A case study of an urbanizing watershed from Western Maharashtra, India. *Model. Earth Syst. Environ.* **10**, 1615–1629 (2024). <https://doi.org/10.1007/s40808-023-01855-7>, **Impact factor: 2.9**
- Dhorde, A.**, Deshpande, G. & Datkhile, P. (2023): Automatic urban feature extraction using rule-based object-oriented classification: a case study of parts of Pune city, Maharashtra, India. *Appl Geomat* **15**, 871–884 (2023). <https://doi.org/10.1007/s12518-023-00527-6>, **Impact factor: 2.3**
- Das, B., **Dhorde, A.** (2023): Shoreline Change Along Raigarh Coast, Maharashtra- a Bi-decadal Scenario. *Thalassas* **39**, 463–480 (2023). <https://doi.org/10.1007/s41208-022-00513-6>, **Impact factor:0.951**
- Dhorde, A.G., Desai, M.S., **Dhorde, A.A.** and Korade M.S (2022): Vulnerability of tropical Indian cities to augmenting heat stress during summer and monsoon season months (1969–2015). *Meteorology and Atmospheric Physics* Vol. 134, issue 4, pp. (2022). <https://doi.org/10.1007/s00703-022-00897-3>, **Impact factor:2.1.**
- Das, B., **Dhorde, A.** & Mitra, D. (2022): Delineating saltwater intrusion zones and assessing its relation with mangrove species along the coastal tracts of Raigad district of Maharashtra, India. *Journal of Coastal Conservation*, 26, 78 (2022). <https://doi.org/10.1007/s11852-022-00926-8>, **Impact factor:2.098**

- viii. Barnali Das and **Anargha Dhorde** (2022): Assessment of shoreline change and its relation with Mangrove vegetation: A case study over North Konkan region of Raigad, Maharashtra, **India, International Journal of Engineering and Geosciences**, Vol. 7 (2), Pp. 101-111, <https://doi.org/10.26833/ijeg.912657>, (WOS)
- ix. Barnali Das and **Anargha Dhorde** (2021): Geostatistical approach to assess mangrove spatial variability: a bi-decadal scenario over Raigarh coast of Maharashtra. **Journal of Coastal Conservation**, Vol. 25, **PUB: Springer *Corresponding author**, <https://doi.org/10.1007/s11852-021-00813-8>, **Impact factor: 2.098.**
- x. Kopal Kumar and **Anargha Dhorde** (2021): Impact of Land use Land cover change on Storm Runoff Generation: A case study of suburban catchments of Pune, Maharashtra, India. **Environment Development Sustainability**, Vol. 23, 4559–4572 (2021). <https://doi.org/10.1007/s10668-020-00787-x> **PUB: Springer *Corresponding author, Impact factor: 4.080.**

Research Profile: [ORCID: 0000-0002-5678-7397 /

Google Scholar: <https://scholar.google.com/citations?user=HNCLTNUAAAAJ&hl=en>

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

- **Research Project:** Principal Director of an ICSSR-sponsored ongoing research project on “*Farmer’s Perception, Socio-Economic Impacts, and Adaptation Pathways in Coastal Areas.*” Also completed two major research projects (ISRO and UGC) and two minor research projects (BCUD, SPPU).
- **Research Guidance:** Successfully guided 7 Ph.D. scholars, with 4 currently pursuing their Ph.D., and supervised approximately 15 Master’s dissertations.
- **Professional Development:** Successfully participated in Faculty Development Programmes (FDPs), workshops, seminars and academic training programmes related to higher education, teaching-learning practices, research methodology and geospatial techniques.
- **Academic & Institutional Contribution:** Serving in academic leadership and institutional responsibilities, including **Head, Department of Geography, College Research Coordinator** and **Dean, Faculty of Science**, contributing to curriculum development, academic planning, NEP implementation, admissions, research coordination and institutional academic activities.

ACADEMIC RESPONSIBILITIES | OPTIONAL

- [Member: IQAC, Coordinator-College Research Committee , Departmental Student Mentoring, Member Examination Committee, Chairperson: BoS Geography, NWC]