

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



DR. RANJANA HARISHCHANDRA RATHOD

Assistant Professor

Department of Geography

M.A./M.Sc., (Geography), B.Ed., NET, SET, Ph.D.

rhrathod@nowrosjeewadacollege.edu.in

PROFESSIONAL SNAPSHOT

Dr. Ranjana H. Rathod brings 12 years of dedicated teaching and academic research in Geography. Her instructional focus spans Agriculture Geography, Tourism Geography, and Geomorphology, emphasizing conceptual clarity and field-based experiential learning. Her research profile reflects significant scholarly contributions through publications in reputed national and international peer-reviewed journals, along with three published books and three patents, primarily addressing the integration of emerging technologies into environmental monitoring and sustainable environmental management. Her research addresses agricultural diversification and socioeconomic challenges in semi-arid cash-crop sectors like floriculture. Beyond the classroom, she actively contributes to student mentorship, departmental development, and fostering critical analytical skills

EDUCATION

Qualification	University / Institution	Year
Ph.D	PAH, Solapur University, Solapur	2022
NET	UGC	2013
SET	UGC	2013
B.Ed	Solapur University, Solapur	2011
M.A./MSc	Solapur University, Solapur	2010
BA	Solapur University, Solapur	2008

TEACHING & ACADEMIC INTERESTS

Area of Interest: Physical and Human geography, Climatology, Introduction to Geomorphology, Geography of disaster management Agriculture Geography, Tourism Geography, Regional geography of India, Economic Geography, Geography of Maharashtra, Maps and cartographic techniques Digital cartography, and hands-on, field-based observational methodologies.

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: Physical and Human geography

Integration of Remote Sensing and Deep Learning for Forest Fire Risk Mapping, International Journal of Aquatic Research and Environmental Studies, Vol. 6 No. S3 (2026): Volume 6, Issue S3, 2026,
<https://injoere.com/index.php/injoere/article/view/851>

Problems of Rose Cultivators in Solapur District, Maharashtra, India International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), January, Special Issue, 2022, 11(1) ISSN: 2277-4998 pp-745-751,
https://www.ijbpas.com/pdf/2022/January/MS_IJBPAS_2022_JAN_SPCL_1088.

Influencing Geographical Aspects for Floriculture Development in Solapur District Journal of Research and Development, A Multidisciplinary International Level Referred Journal July 2021 Volume-11 Issue-25Peer reviewed

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

Research Presentations: Presented peer-reviewed research papers at national-level academic forums, including conferences organized by the Kokan Geographers Association and the Indian Geography Congress, thereby contributing to scholarly discourse in Geography.

Professional Development: Actively engaged in Faculty Development Programmes (FDPs), workshops, seminars, and specialized training initiatives focused on advanced geographical concepts, research methodologies, and emerging geospatial technologies.

Research Contributions: Conducted interdisciplinary research across key domains of Geography, including Geomorphology, Geographic Information Systems (GIS), Remote Sensing, Urbanisation, Environmental Geography, and Tribal Studies.

Academic Contributions: Supported teaching and learning through student mentoring, hands-on practical sessions, field-based training, examination coordination, and participation in various departmental academic responsibilities.

Geospatial Skill Development: Continuously enhancing technical expertise in ArcGIS, QGIS, GIS, Remote Sensing, Artificial Intelligence, and Python-based geospatial applications to strengthen both research output and pedagogical effectiveness.

Examination Committee: Handled examination-related responsibilities, including examination coordination, assessment, and question paper preparation, evaluation, and other associated academic activities.

Admission Committee: Supported the student admission process through counselling of prospective students regarding academic programmes, eligibility, course structure, and related requirements.

Departmental Academic Coordination: Contributed to departmental academic planning, timetable preparation and coordination, and the effective implementation of academic activities.

ACADEMIC RESPONSIBILITIES | OPTIONAL

Member of Staff Academy (2015 to onwards)

Member of Gymkhana Day Committee

Member of Scholars Day Committee

Member of Avishakar Committee

Member of NIRF Committee

Member of College Foundation Day Committee

Member of AQAR Committee of NAAC For criteria 1 and 2

Participation in NSS Camp

Member of TYBA Admission Committee (2020 till now)

Supervision of College and University Exams

Internal Examiner and Moderator of UG Exams October and April

Conducting Lectures along with assessment of assignments of Environmental Awareness Program for S.Y.B.A., S.Y.B.Sc., Biotech