

◆ MODERN EDUCATION SOCIETY'S ◆
NOWROSJEE WADIA COLLEGE, PUNE
FACULTY ACADEMIC PROFILE



Dr. Hemant Babuso Pednekar

Assistant Professor • Geology

Ph.D in Geology, NET

Geochemistry, Igneous Petrology and Mantle Dynamics

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PROFESSIONAL SNAPSHOT

I am a geologist, educator, and researcher with a PhD in Geology from Savitribai Phule Pune University and over four years of teaching experience at undergraduate and postgraduate levels. My research focuses on petrology, geochemistry, ophiolites, and tectonic evolution, with fieldwork experience in the Himalayas and publications in peer-reviewed journals. I have qualified the CSIR-NET (Lectureship) and I am passionate about combining research with teaching to inspire the next generation of Earth scientists. My academic interests include igneous petrology, geochemistry, sedimentology, hydrogeology, and geological field mapping. I enjoy collaborating on interdisciplinary research, mentoring students, and applying scientific approaches to understand Earth's processes.

EDUCATION

Qualification	University / Institution	Year
Ph. D	Savitribai Phule Pune University	2026
M.Sc (Geology)	Goa University	2014

TEACHING & ACADEMIC INTERESTS

• Mineralogy and Gemmology • Stratigraphy • Earth Dynamics • Mantle Petrology

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: Himalayan Ophiolites, Sedimentology

Selected Publications: 1) Anish Kumar Warriar, **Hemant Pednekar**, B.S. Mahesh, Rahul Mohan, Sahina Gazi, 2016. Sediment grain size and surface textural observations of quartz grains in late quaternary lacustrine sediments from Schirmacher Oasis, East Antarctica: Paleoenvironmental significance. Volume 10, Issue 1, March 2016, Pages 89-100 Polar Science.

2) Raymond A. Duraiswami, Akshay A. Kelkar, Tahira N. Shaikh, Nitin R. Karmalkar, Mallika K. Jonnalagadda, Aristotle Monteiro, **Hemant Pednekar**, Deepak Kumar Sahu, 2024. Compositional diversity in spinels from the Nidar ophiolite peridotites, Ladakh, India: A record of complex petrogenetic evolution. Himalayan Geology, Vol. 45 (1), 2024, pp.

Research Profile: ORCID: <https://orcid.org/0009-0003-6422-8266>

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

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

- [Award / Recognition]
- [Certification / FDP / Workshop]
- [Academic / Institutional contribution]

ACADEMIC RESPONSIBILITIES | OPTIONAL

- [Committee / Coordination / Mentoring / Examination / Other responsibility]

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