

◆ MODERN EDUCATION SOCIETY'S ◆

NOWROSJEE WADIA COLLEGE, PUNE

FACULTY ACADEMIC PROFILE



Dr. SANJIDA ABDULMUGNI KHAN

Head and Associate Professor, Dept. of Geology & Petroleum Technology

Ph.D.

Palaeontology, Micropalaeontology (Foraminifera)

sakhan@nowrosjeewadacollege.edu.in

PROFESSIONAL SNAPSHOT

Dr. Sanjida Abdulmugni Khan is Head and Associate Professor in the Department of Geology & Petroleum Technology, with a PhD in Geology and specialisation in Micropalaeontology, particularly benthic foraminifera and Palaeontology. With 15 years of teaching experience in geology and related disciplines, teaching areas include Palaeontology, Micropalaeontology, Sedimentology, Marine Geology, and Structural Geology, with an emphasis on field- and research-based learning. Research primarily focuses on benthic foraminiferal assemblages, morphogroups, palaeoenvironmental reconstruction, environmental magnetism, and coastal environmental assessment. Active involvement includes research, student mentoring, and academic development.

EDUCATION

Qualification	University / Institution	Year
PhD in Geology	Savitribai Phule Pune University	2017
MSc in Geology	Savitribai Phule Pune University	2010
BSc in Geology	Nowrosjee Wadia College	2008

TEACHING & ACADEMIC INTERESTS

- Palaeontology and Micropalaeontology
- Benthic Foraminifera and Foraminiferal Ecology
- Structural Geology
- Marine Geology
- Oceanography
- Engineering Geology
- Field-based Geological Education and Research
- Statistical and Multidisciplinary Approaches in Earth Sciences

RESEARCH & PUBLICATIONS | OPTIONAL

Research Area: Foraminifera (Micropalaeontology)

Selected Publications:

- **Saraswat, R., Nigam, R. & Pachkhande, S. (2011).** Difference in optimum temperature for growth and reproduction in benthic foraminifer *Rosalina globularis*: Implications for paleoclimatic studies. *Journal of Experimental Marine Biology and Ecology*, 405(1–2), 105–110. <https://doi.org/10.1016/j.jembe.2011.05.026>

- **Pachkhande, S.M., Kamble, P.B., Mookherjee, A., Rajshekhar, C. & Kavathankar, N.A. (2014).** Intertidal foraminifera from the Savitri estuary, west coast, Maharashtra and their implications on the depositional environment. *Journal of the Geological Society of India*, **83**(1), 71–75. <https://doi.org/10.1007/s12594-014-0008-3>
- **Khan, S.A. (2021).** Benthic Foraminifera from the Surface Sediments of Mudflats, Gulf of Kachchh, Gujarat, India. *Journal of Geosciences Research*, **6**(2), 171–178.
- **Khan, S.A. (2025).** First Report of the Benthic Foraminifera from Kasampir Ridge, Gulf of Kachchh, Gujarat, India. *Bulletin of Pure and Applied Sciences-Geology*, **44F**(1), 9–13.

Research Profile: ORCID- ID: 0009-0002-9734-7459

ACHIEVEMENTS & PROFESSIONAL DEVELOPMENT | OPTIONAL

- Serving as **Head of the Department of Geology & Petroleum Technology**, contributing to academic planning, departmental administration, and institutional responsibilities.
- Contributing to the **design and development of syllabi for various Geology subjects under NEP 1.0 and NEP 2.0**, supporting curriculum restructuring and implementation in accordance with the new education framework.
- Teaching undergraduate and postgraduate courses and supporting students in their academic and practical learning.
- **Guiding M.Sc. students in project/dissertation work**, including research planning, fieldwork, data collection, analysis, interpretation, and scientific writing.
- **Conducting and guiding annual geological fieldwork for T.Y.B.Sc. and M.Sc. students**, providing hands-on training in geological observations, mapping, sampling, data collection, and interpretation.
- Encouraging students to participate in **research projects, seminars, conferences, and other academic activities**.
- Promoting field-based, practical, and research-oriented learning in geological sciences.
- Contributing to **curriculum implementation, examination-related activities, academic coordination, and departmental development**.
- Supporting interdisciplinary research and academic initiatives within the department and institution.

ACADEMIC RESPONSIBILITIES | OPTIONAL

- Head of the Department of Geology & Petroleum Technology, overseeing departmental academic and administrative activities.
- Coordinator of the Internal Complaints Committee (ICC), contributing to a safe, respectful, and supportive institutional environment.
- Mentoring **T.Y.B.Sc. and M.Sc. students** in academic and practical aspects of Geology.
- Guiding **M.Sc. students in project/dissertation work**, including selection of research topics, research methodology, fieldwork, data collection, analysis, interpretation, and scientific writing.
- Providing guidance to students during **geological fieldwork and field-based projects**.