

Madhuri Ukey, Ph.D.

Present position

- Coordinator M.Sc.Geology
- Assistant Professor

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<https://www.researchgate.net/profile/Madhuri-Ukey-2/research>



https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=madhuri+ukey+google+scholar+profile&btnG=

Work Experience

- Since Teaching: 15 years
- Research: 8 years

Personal Profile

- Assistant Professor** at Fergusson College (Autonomous) Pune since 2009.
- Experience of research and administration as a **Junior Geologist** in Groundwater Survey and Development Agency, Govt. of Maharashtra from 2005 to 2009.
- Experience of research as a **Research Project Assistant** in CSIR-National Environmental Engineering Research Institute (NERRI) during 2004-2005.
- Worked as a **Contributory Teacher** in Department of Geology, Nagpur University during 2003- 2004.
- Experience in academic research, GIS industry, Teaching and field of hydrogeology.
- Guiding the students for Dissertation and research projects

Course(s) Taught (Only Titles)

1. GLY4101 Mineralogy
2. GLY4106 Geomorphology and RS-GIS
3. GLY4202 Metamorphic Petrology
4. GLY5302 Exploration Methods
5. GLY5304 Hydrogeology and Groundwater Development and Management

Field of Specialization/Areas of Interests

- Sedimentology
- Hydrogeology GIS, Remote Sensing

Education

- **Ph.D. – Geology :**
Title of the Thesis: ‘Occurrence and genesis of waterfall calc-tufa deposits of semi-arid regions of Pune and Ahmednagar Districts, Maharashtra, India.

Name of University: Savitribai Phule Pune University, SPPU, Pune.

Year of Award: 2024

Master of Science/Arts- (Geology): 2003
Nagpur University (now Rashtrasant Tukadoji Maharaj Nagpur University)

- **Bachelor of Science- (Chemistry, Botany, Geology):**2000
Shivaji Science College, Nagpur University

Fellowship/Awards/ Certifications/Achievements/Recognitions

SET (2004)

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
• Incharge, Admission Committee (Post Graduate)		
• Member, Mentoring Committee		

Employment History

Organization : Groundwater Survey and Development Agency, Govt. of Maharashtra
Role : Junior Geologist
Duration : 2005 to 2009

• Responsibilities	• Administrative, Research • Fieldwork, report writing, Ground Water Assessment
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Organization : CSIR-National Environmental Engineering Research Institute (NERRI)
Role : Research Project Assistant
Duration : 2004-2005

• Responsibilities	• Evaluation of geological aspect of each project for EIA • Software used Erdas,
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Research Publications in National and International Journals

Manuscripts-

- Geoscientific and Geoheritage Value of Waterfall Calc Tufa and Speleothem Deposits from Semi-arid Upland Deccan Traps, India. Madhuri S. Ukey · Ravindrasing G. Pardeshi, Geoheritage (2023) <https://doi.org/10.1007/s12371-023-00828-7>
- Micromorphology and Textural Variations in the AneGhat Waterfall Tufa Deposits from Upland Deccan Traps and their Genesis-Journal Geological Society of India, Volume 94, Issue 1, pp 86–92 (2019). Madhuri S. Ukey and Ravindrasinh Pardeshi
- Petrography of Aluminosilicate polymorphs and deformational characters in mylonite from Girola Area, Bhandara District, Maharashtra. “The Indian Mineralogist” Vol 48 No. 1, Jan 2014 pp 39-46. Rajkumar R. Meshram, and Madhuri Ukey
- Occurrence of Nontronite in amygdaloids of Deccan basalts at Nagewadi basalt quarry, Satara, Maharashtra. “Current Science” 2012. vol. 103, no. 3. P. K. Sarkar, Madhuri Ukey, R. A. Duraiswami, R. N. Mache
- Ichnofossils from Ambalapuzha Formation (Mio-Pliocene), Varkala Cliff section, Kerala, South India, Gondwana Geological Magazine Spl. (2012), Vol. No. 13, 193-197. Mude, S. N., Sarkar, P. K., Ukey, M., and Jagtap, S. A.
- Unusual death of millipedes (Diplopoda) towards the north of the Varkala Cliff section near Papanasam, Kerala, India. Proceedings of the International Academy of Ecology and Environmental Sciences, 2011, 1(2):145-150. P. K. Sarkar, S. N. Mude, Madhuri Ukey
- Deformed and Dragged red bole horizon near Pune, Maharashtra, “Current Science”, (2011) Vol. 100, No. 10, 1488-1489. P. K. Sarkar, M. R. G. Sayyed, S. M. Hundekari, S. N. Mude, M. Ukey

Abstracts–

- Abstract paper in Conference on Integrated Earth CITE 2024, September 1-2, 2024 ISSER Pune entitles “Flood Susceptibility mapping in the Savitri and Vashishti River basins, Western Maharashtra, India using GIS-based Analytical Hierarchy Process.
- Presented paper in the X International Online ProGEO Symposium, Spain, 7-10 th June, 2021 entitles ‘Occurrence and genesis of water fall calc tufa deposits from semi-arid Upland Deccan Traps, India: proxies for paleoclimate and monsoon record’.
- Presented abstract paper in International Virtual Conference in Geosciences with focus on Climate Change Perspectives (ICGCC- 2021) entitles ‘Conserving Calc tufa from the Upland Deccan Traps: Important paleoclimate proxies’.

Participation in Conferences/Seminars/Symposia/Workshop:

- Conference on Integrated Earth CITE 2024, September 1-2, 2024 ISSER Pune
- 28th Indian Colloquium on Micropalaeontology & Stratigraphy at the Savitribai Phule Pune University, Pune (4th to 6th May, 2022)

Events Organized/Coordinated:

- ‘Water Conservation’ campaign was organized with M.Sc. II students on 22 December 2024 at Kendur, Taluka Shirur, Pune and addressed the villagers on role of peoples’ participation in water conservation.
- Coordinated M.Sc. Students attended ‘Mapping Party’ organized by Tomtom India Pvt. Ltd., Pune on 20th January 2024. This event was a hand on training program for students which also gave them a corporate learning experience.
- Organized various guest lectures, workshops and Field training for M.Sc. Geology.

Additional skills/Activities

Project completed under **STAR Program ‘College of Excellence’ (CE) 2019-20** on “Petrographic and Geochemical Characterization Of Calc Tufa From Vambori, Ahmednagar, Maharashtra”

Project completed under **STAR Program ‘College of Excellence’ (CE) 2017-18** Micro- morphological studies of calc tufa using Scanning Electron Microscopy- AneGhat, Pune, Maharashtra.

Consultancy Services

Provided consultancy on petrography to Soiltech India Pvt. Ltd.