

Ms. Madhuri Ukey

Present position

- **Coordinator M.Sc.Geology**
- **Assistant Professor**

Contact Details (Mention e-mail) – fergusson.edu or despune.org

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Work Experience

- **Teaching: 13 years**
- **Research/Industrial: 8years**

Personal Profile

1. **Assistant Professor** at Fergusson College (Autonomous) Pune since 2009.
2. Pursuing Ph.D. in carbonate sedimentology on ‘Occurrence and genesis of waterfall calc-tufa deposits of semi-arid regions of Pune and Ahmednagar Districts, Maharashtra, India at SPPU, Pune.
3. Experience of research and administration as a **Junior Geologist** in Groundwater Survey and Development Agency, Govt. of Maharashtra from 2005 to 2009.
4. Experience of research as a **Research Project Assistant** in CSIR-National Environmental Engineering Research Institute (NERRI) during 2004-2005.
5. Worked as a **Contributory Teacher** in Department of Geology, Nagpur University during 2003-2004.
6. Experience in academic research, GIS industry, Teaching and field of hydrogeology.
7. 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

- GIS, Remote Sensing
- Sedimentology

Education

Ph.D. – Pursuing PhD in carbonate sedimentology (Geology) at SPPU, FCP as research centre, under the guidance of Dr. Ravindrasing Pardeshi

Title of the Thesis:

Name of University / Institution: Savitribai Phule Pune University

Year of Award – Ongoing

- **Master of Science/Arts- (subject name):** 2003
Nagpur University (now Rashtrasant Tukadoji Maharaj Nagpur University)
- **Bachelor of Science- (subject name):** 2000
Shivaji Science College, Nagpur

Fellowship/Awards/ Certifications/Achievements/Recognitions

SET (2004)

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
<ul style="list-style-type: none">• In charge, Admission Committee (Post Graduate)		
<ul style="list-style-type: none">• Member, Mentoring Committee		

Employment History

Organization : Groundwater Survey and Development Agency, Govt. of Maharashtra

Role : **Junior Geologist**

Duration : 2005 to 2009

<ul style="list-style-type: none">• Responsibilities•	<ul style="list-style-type: none">• Administrative. Research• Field work, report writing, Ground Water Assessment
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Organization : CSIR-National Environmental Engineering Research Institute
(NERRI)

Role : Research Project Assistant

Duration : 2004-2005

<ul style="list-style-type: none">• Responsibilities•	<ul style="list-style-type: none">• Evaluation of geological aspect of each project for EIA• Software used Erdas,
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Research Publications in National and International Journals

Manuscripts -

- Micromorphology and Textural Variations in the Ane Ghat 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 amygdales 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, 1488-1489p. P. K. Sarkar, M. R. G. Sayyed, S. M. Hundekari, S. N. Mude, M. Ukey

Abstracts –

- Presented paper in the X International Online ProGEO Symposium, Spain, 7-10 th June, 2021 entitled ‘Occurrence and genesis of waterfall 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) entitled ‘Conserving Calc tufa from the Upland Deccan Traps: Important paleoclimate proxies’.

Participation in Conferences/Seminars/Symposia/Workshop:

28th Indian Colloquium on Micropalaeontology & Stratigraphy at the Savitribai Phule Pune University, Pune (4th to 6th May, 2022)

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- Ane Ghat, Pune, Maharashtra.

Consultancy Services

Provided consultancy on petrography to Soiltech India Pvt. Ltd.