

BIODATA

Umalaxmi Kapil Patne

Designation: Assistant Professor

Affiliation: Department of Mathematics, VPM's B. N. Bandodkar College of Science
(Autonomous), Thane

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Educational Qualifications

Examination	Institute/University	Year
B.Sc. (Mathematics)	B. N. Bandodkar College of Science, University of Mumbai	2008
N.E.T.	CSIR-UGC	2009
M.Sc. (Mathematics)	IIT Bombay	2010

Teaching Experience: 15 years of teaching experience at UG level

Academic Contributions

- Actively worked as a member of college committees: IQAC, NSS, Admission, Examination, Cultural, Gymkhana, Alumni, Mentor Cell, Magazine, etc.
- Organized departmental events: Conferences, Seminars, Guest Lectures, Colloquiums, Fests, etc.
- Actively worked as an NSS Programme Officer and Alumni Committee Coordinator
- Worked as an Editorial Board member for Proceedings of National Conference on Applied Mathematics and Statistics (NCAMS-2023)

Areas of Interest / Specialization: Mathematics Education, Soft Graph Theory

Research Activities

- Number of Research Papers Published: 4
- Chapters published in Book: 1
- Journals (UGC-CARE / Scopus / Peer-reviewed): 1
- Number of papers presented at conferences: 1

Achievements & Awards

- Invited as a Resource Person for Training Sessions for IIT JAM Entrance examination at various colleges such as NES Ratnam College of Arts, Science and Commerce, B. K. Birla College and Wilson College.

Publications

- Application of Geogebra in Teaching Closure Points in Metric Spaces, International Education and Research Journal, 10(5), 51–56, 2024
- Application of GeoGebra in Teaching Open Set and Interior Set, International Journal of Science and Research, 13(5), 211–217, 2024

Other Contributions

- Participation in curriculum development of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. under Autonomy and NEP
- Designed syllabus of Certificate Course on “Basis Calculus using GeoGebra”
