

II Sheelam Param Bhooshanam II

Shri Acharyaratna Deshbhooshan Shikshan Prasarak Mandal's

Mahavir Mahavidyalaya, Kolhapur (Autonomous)

Department of Microbiology

**Research Publications**

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**Mr. Swapnil B. Patil**

1. Antimicrobial activity of red sea weeds: A Review, **Swapnil B. Patil** and Dr. D. B. Nakade, YMER, Volume 22, Issue 11, November 2023 ISSN 00440477
2. Biosynthesis of Tio<sub>2</sub> Nanoparticles Using Red Sea Weed: Detailed Characterization, **Swapnil B. Patil** and Dr. D. B. Nakade, International Journal of Biosciences Volume 26, Issue 03, March 2025 ISSN 22206555(Print) 22225234 (Online)
3. Phytochemical Composition and Antioxidant Potential of Chloroform Extract from Red Sea Weed: A GC-MS and DPPH Assay Based Study, **Swapnil B. Patil** and Dr. D. B. Nakade, World Journal of Biology Pharmacy and Health Science Volume 22, Issue 01, April 2025 ISSN 25825542
4. Preliminary Phytochemical Analysis of Red Sea Weed *Ceramium diaphanum*, **Swapnil B. Patil** and Dr. D. B. Nakade, Ecology, Environment and Conservation, Volume 31, April 2025 ISSN 0971765
5. Antimicrobial Activity of Red Sea Weed *Ceramium diaphanum* Against Pathogenic Bacteria. **Swapnil B. Patil** and Dr. D. B. Nakade, Acta Scientific Microbiology Volume 8, Issue 5 April 2025 ISSN 2581-3226

**Miss. Asama Nadaf**

1. Does and Don't Microbial Fuel cell, Rohit S. Mane and **Asama M. Nadaf**, Indian Streams research journal, Volume 7(4) 2017, 1-12
2. Optimization of alpha amylase production from a novel bacteria strain *Geobacillus kaustophilus* AN 11, Employing response surface methodology, **Asama Nadaf** and Nasir Shaikh, Biological Forum- an international journal, Volume15 (5) 2023.
3. Statistical design for optimization of gelatinase production by *Bacillus belezensis* strain AN SUK, **Asama Nadaf** and Nasir Shaikh, Bioinfolet, 2024, Volume 21 (3),408-411

4. Magnetic nanomaterials in Dye contaminated water remediation: recent advances and future prospects, Review article, Santosh Parit, **Asama Nadaf**, Avinash Survase, Ashiya Momin, Sakshi Patil, Santosh Sonawane, Waste water purification, A (1), 1-13.
5. Multimodal approaches to pharmaceutical waste water treatment: Bridging adsorption science, Bioremediation and catalytic oxidation, Asama Nadaf, Santosh Sonawane, Amruta Jadhav, Onkar Patil, Megha Shinge, Waste water purification, 2025 A (1).