

Profile

1. Name:	Jitendra R. Patil
2. D.O.B.:	07/03/1986
3. Mobile No:	8149609247
4. Email id:	jrpatilrkt@gmail.com ; j.patil@ssrkt.edu.in
5. Department:	Botany
6. Designation:	Assistant Professor
7. Date of Appointment:	05/06/2017
8. Date of Superannuation:	31/03/2046
9. Appointment Type:	Permanent
10. Education Qualification:	M.Sc.(Botany), M.Sc.(Biotechnology), NET, SET
11. Work Experience:	07 Years
12. Courses Taught:	FYBSc: Anatomy, Ecology, Medicinal Botany, Algae, Physiology SYBSc: Anatomy, Molecular Biology, Industry based plant products, TYBSc: Anatomy, Palynology, Angiosperm, Embryology, Bioinformatics, Mushroom technology, Horticulture MSc: Molecular Biology, Algae, Pteridophytes
13. Courses Developed:	Member of Syllabus Framing Committee- MSc Part II NEP FYBSc NEP
14. Area of specialization/research:	Biotechnology and Molecular Biology, Mycology, Secondary Metabolites, Halophytes etc.
15. Achievements:	
A. Awards & Honors:	Nil
B. Projects:	1. Minor Research Project Role – Co-Investigator Funding Agency- Mumbai University Year – 2018-19 Title - LC-MS based metabolic profiling of <i>Avicennia officinalis</i> L. and <i>Sonneratia apetala</i> L. for identification of bioactive compounds

C. Membership:	Life Member, Association of Fungal Biologists
D. Resource person in Seminar/ Conferences / Workshop/ Guest lecturers / Refresher Course Orientation/STC	Nil
E. Ph.D.:	Ongoing
F. Ph.D. Guideship:	No
G. Industry:	Nil
H. Patents/Copyrights (Filed & Granted):	Nil
I. Others: (if any):	Nil
16. Publications*:	
A. Research Papers:	Patil JR , Sharma PP, Mhatre KJ, “Global warming induced stress and its impact on biodiversity” Journal of Science and Technology, Volume 6, Issue 3, May-June 2021, pp21-29
B. Articles:	Nil


C. Books/ Book chapters:

Books –

1. Textbook of T.Y.B.Sc. Biotechnology (Paper-351,352,353) prescribed as per NMU, Jalgaon syllabus with ISBN No- 978-93-84228-70-5
2. Textbook of T.Y.B.Sc. Biotechnology (Paper-361,362,363) prescribed as per NMU, Jalgaon syllabus with ISBN No- 978-93-85021-14-5
3. Textbook of S.Y.B.Sc. Biotechnology (Paper-BT231,232) prescribed as per NMU, Jalgaon syllabus with ISBN No- 978-93-81546-12-3
4. Textbook of T.Y.B.Sc. Biotechnology (Paper-361,362,363) prescribed as per NMU, Jalgaon syllabus with ISBN No- 978-93-85019-27-2

Book Chapters -

1. **Patil, J. R.**, Ghane, S. G., & Nikalje, G. C. (2023). Biomolecules and Pharmacology of *Hortia* Sp. (Family: Rutaceae). In *Biomolecules and Pharmacology of Medicinal Plants*, 2-volume set (pp. 211-220). Apple Academic Press.
2. **Patil, J. R.**, Ghane, S. G., & Nikalje, G. C. (2023). Bioactives and Pharmacology of *Derris scandens* (Roxb.) Benth. In *Bioactives and Pharmacology of Legumes* (pp. 191-200). Apple Academic Press.
3. **Patil, J. R.**, Ghane, S. G., & Nikalje, G. C. (2023). Bioactives and Pharmacology of *Avicennia marina* (Forssk.) Vierh. In *Phytochemistry and Pharmacology of Medicinal Plants*, 2-Volume set (pp. 375-386). Apple Academic Press.
4. Mhatre, K. J., **Patil, J. R.**, & Nikalje, G. C. (2024). Role of Flavonoids in Vasodilation. In *The Flavonoids: Extraction and Applications*, Apple Academic Press.
5. Raul, D., Pawar, G. P., Telave, A. B., **Patil, J. R.**, & Nikalje, G. C. (2024). Habitat, Growth Response, and Adaptation Under Salinity in *Sonneratia* sp. In *Physiology of Halophytes Signaling, Omics, and Tolerance Mechanisms*, Apple Academic Press.

D. Others	<p>Editor-</p> <ul style="list-style-type: none"> ● Multidisciplinary Approach in Research, Volume-14 (2023), Red'shine Publication Inc., Sweden. <p>Conference-</p> <ul style="list-style-type: none"> ● Shaikh NI., Mhetre A., Nikalje GC., Patil JR., (2022) Assessment of Air Pollution Tolerance Index for a few plants from Industrial Area of Ambernath, Maharashtra at "One Day Multidisciplinary Interdisciplinary e-Conference On Recent Advances in Humanities, Commerce, Management, Engineering, Science & Technology" ● Patil JR., Maurya V., (2021) ANTIMICROBIAL ACTIVITY AND PHYTOCHEMICAL ANALYSIS OF SELECTED FRUIT AND VEGETABLE PEELS at "National (Online) Conference on Recent Trends in Life science, Energy and Environment (NCRLEE 2021)" ● Mhatre K. J., Nikalje G. C., Patil J. R., (2019) Avifaunal Diversity and its Dependency on Mangroves along the Ulhas River Estuary, Dombivli, Maharashtra, Oral presentation at "National Conference on Mangroves and Coastal Resources" at Department of Botany, Shivaji University, Kolhapur dated 12th April 2019. ● Patil JR., (2020) Expedition through Ecological and Economic Importance of Mangroves at Online One Day International conference on 'Climate Change, Mangroves, and Sustainable Management' April 2020.
17. Passport size photograph	
<p>Links to Google Scholar Citations and Research Gate:- https://scholar.google.com/citations?hl=en&user=b7doO2wAAAAJ https://www.researchgate.net/profile/Jitendra_Patil5/publications</p>	