

Curriculum Vitae

KHORATE SHIVANI VIJAY

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Personal Details	
Name:	Khorate Shivani Vijay
Sex:	Female
Marital Status:	Single
Nationality:	Indian
Caste:	Open
Birth Date:	20 April 2001
Languages known:	English, Hindi and Marathi
Permanent Address:	Khade Galli, A/P-Sarawade, Tal-Radhanagari, Dist- Kolhapur. Pincode: 416212

EDUCATIONAL QUALIFICATION

EDUCATION	COLLEGE/SCHOOL	UNIVERSITY / BOARD	YEAR	PERCENTAGE
SET	Maharashtra State	-	July 2024	Qualified
M.Sc.	Shivaji University, Kolhapur	Shivaji University, Kolhapur	June 2024	73.16
B.Sc.	New College, Kolhapur.	Shivaji University, Kolhapur	March 2022	72.64
H.S.C.	Hanmantrao Chate Jr. College, Kolhapur	Kolhapur Board	March 2019	74.46
S.S.C.	S. S. K. V. Sarawade	Kolhapur Board	March 2017	92.00

ACHIEVEMENTS:

- Ranked 1st in M. Sc. (Botany) at Shivaji University, Kolhapur.
- Ranked 1st in M. Sc. Entrance examination, Shivaji University, Kolhapur.
- Received Prof. Dr. J. M. Patil Botany Prize for securing the highest number of marks in the subject of Botany at M. Sc. Examination from Dr. Appasaheb Pawar Vidyarthi Bhavan Students, Shivaji University, Kolhapur.

RESEARCH AREA OF INTEREST:

- Phytochemical Analysis, Plant tissue culture.

TEACHING EXPERIENCE:

- Teaching Experience at Vivekanand College, Kolhapur (An Empowered Autonomous Institute) from 23/09/2024 to 30/04/2025.

ACADEMIC PROJECTS:

Project for M.Sc.- “**Phytochemical analysis and antioxidant activity of the species *Adiantum poiretii***”

Objective: To study of Phytochemical analysis and antioxidant activity of the species *Adiantum poiretii*

Description: Plant material of *Adiantum poiretii* was collected from the vicinity of Uzalaidevi Temple, Ujalaiwadi, Kolhapur, Maharashtra, India. The plant extracts (10% w/v) were prepared using three different solvent systems and subjected to qualitative phytochemical analysis. Among the phytochemical constituents detected, saponins and terpenes were found to be present in the highest abundance. Furthermore, the FICA assay demonstrated the highest biological activity among the evaluated assays, indicating the promising

RESEARCH ARTICLES:

1. **Shivani Khorate**, Pushpi Shigh, Santosh Kamble and Sachin Patil. 2025. Seasonal assessment of algal communities as bioindicators of water quality in Rajaram reservoir using pollution indices. Plant Sci. Today. 13(2). 1–8. DOI: <https://doi.org/10.14719/pst.11283>.
2. **Shivani Khorate**, Manoj Sankpal and Sachin Patil. 2025. Diversity of desmids in the fresh-water bodies of Kolhapur district. Algologia Journal. **Communicated**.

BOOK CHAPTERS:

1. **Shivani Khorate**, Manoj Sankpal, and Sachin Patil. 2025. Review on Biochemical Diversity in the Genus *Selaginella* P. Beauv. In Edt. Book, *Bioactives and Pharmacology of Pteridophytes* by T. Pullaiah. 520 pp. Apple Academic Press. ISBN: 9781779642721
2. Manoj L. Sankpal, **Shivani V. Khorate**, Mansinghraj S. Nimbalkar, and Sachin M. Patil. 2025. Overview of Ethnomedicinal, Phytochemical Constituents, and Pharmacology of *Hypodematum*. In Edt. Book, *Bioactives and Pharmacology of Pteridophytes* by T. Pullaiah. 520 pp. Apple Academic Press. ISBN: 9781779642721
3. **Shivani Khorate** and Sachin Patil. 2025. The Family Psilotaceae: Morphology, Taxonomy, Nomenclature, Nomenclatural Problems, Anatomy, Phytochemical Constituents, Phylogenetic Classification, and Recent Trends. In Edt. Book, *Pteridology Today and Tomorrow: Relevance to impact on diversity and climate change*. Sachin Patil, Suresh Patel, Vinay Raole and Kishore Rajput. 147–159. Shine Book Publishing, Bilaspur-Chhattisgarh. ISBN: 978-81-69200-29-5

BOOK CHAPTERS:

4. Manoj Sankpal & Shivani Khorate. 2026. Evolution of pteridophytes: origin, evolutionary trends, molecular evolution, and phylogenetic relationships. In Edt. Book, *Pteridology Today and Tomorrow: Relevance to impact on diversity and climate change Vol II*. Sachin Patil, Suresh Patel, Vinay Raole and Kishore Rajput. 53–70. Shine Book Publishing, Bilaspur-Chhattisgarh. ISBN: 978-81-69200-29-5

Technical Knowledge	
Basic computer skill	CCC
Office Tools	MS-Excel, MS-Word, PowerPoint.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Signature

Place: Kolhapur.

(Khorate Shivani Vijay)