

# Dr. Shivani Khatana

**Designation:** Assistant Professor

[shivankhatana0407@gmail.com](mailto:shivankhatana0407@gmail.com)

## Objective:

To associate with multi-dynamic institute, which may provide a platform to update my knowledge and skills accordance with latest trends in teaching along with research that follows a tradition of anticipating and leading changes.

## Academic Qualifications:

1. Ph.D.: "Pharmacological evaluation of Fruits peel of selected plants of cucurbitaceae (2016-2022) Department of Botany, University of Rajasthan, Jaipur
2. NET-JRF: Joint CSIR-NET (June, Dec 2016) in Life Science with AIR-63
3. SET: State eligibility test for lectureship conducted by RPSC, 2013
4. M.Sc.: Botany, Department of Botany, new campus, JNVU, Jodhpur 2014
5. B.Sc.: K N Girls College, JNVU Jodhpur, 2012
6. 12<sup>th</sup> Class: KV, Air Force Station, Jodhpur, 2009
7. 10<sup>th</sup> Class: KV, Air Force Station, Jodhpur, 2007

## Teaching Experience:

Organization	Designation	Tenure
New Adarsh College, Jhotwara Jaipur	Assistant Professor in Botany	July 2014-May 2015
Vivek P.G. College, Kalwar, Jaipur	Assistant Professor in Botany	July 2015- April 2016
Aravali P.G. College, Neem Ka Thana, Sikar	Assistant Professor in Botany	March-April 2021
Alankar P.G. Girls College, Jaipur	Assistant Professor in Botany	November 2022- till date

## Research Experience:

5 Years of research experience with modern analytical instrumentation used in field of life sciences and their use for interdisciplinary purposes especially in plant pathology and biochemistry for the purpose of human interest.

**Field of Interests:** Plant Biotechnology and molecular biology.

## Published Research Papers:

1. Jain C, Khatana S, And Vijayvergia R: Bioactivity of secondary metabolites of various plants: a review. Int J Pharm Sci and Res 2019; 10(2) 494-04.

2. Khatana S, Jain C and Vijayvergia R: Estimation of total phenolic and flavonoid content of some cucurbit fruit peels and in-vitro evaluation of their methanolic extracts for antioxidant potential. *Int J Pharm Sci ad Res* 2021;12(1):491-95
3. Jain C, Vijayvergia R, Khatana S. In Vitro Evaluation of Antioxidant and Hypoglycemic Potential of Extracts from different parts of xanthium strumarium L. *J Plant Sci Res* 2021;8(1):204.
4. Shivani Khatana, Chitra Jain, Rekha Vijayvergia: Evaluation of antimicrobial and antifungal activity of selected fruit peels of family Cucurbitaceae *Indian journal of natural sciences* vol13/issue72/April2022.

### **Conferences and Seminar Attended-**

- Presented poster titled fruits and vegetable peels of cucurbits- natural source of antioxidants and antimicrobics during the ISMPP International Conference on Plant Health for Human Welfare organized by department of botany, UOR, Jaipur from 1<sup>st</sup> to 4<sup>th</sup> November, 2017.
- Presented poster titled Biochemical Analysis and antioxidant potential of cucurbits fruits peel during the 106<sup>th</sup> Indian Science Congress held at LPU, Jalandar from January 3 to 7, 2019.
- Attended one-day workshop on Patent Awareness at Centre for Converging Technologies, UOR, Jaipur on 24<sup>th</sup> October 2018.
- Participated in the national symposium on Latest Innovations in Science and Technology held on 1<sup>st</sup> march 2019 at St. Wilfred College for girls, Jaipur.
- Participated in Science Media Research: Science Creatives and media school for Scientists and media at CSIR-CEERI Incubation-cum-Innovation Hub, Jaipur centre.
- Presented oral paper in BICON2019 Held at Biyani Group of Colleges, Jaipur.
- Presented oral paper in national seminar on Role of Plants in conventional medicine organized by Department of Botany, University of Rajasthan, Jaipur