

## **ANU VERMA**

### **Assistant Professor**

Department of Biotechnology  
GGSDS COLLEGE Chandigarh  
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**DOB: 15<sup>th</sup> October, 1989**



### **Educational Qualifications**

- **M.Sc. Biotechnology** from Department of Biotechnology, Punjabi University, Patiala in 2012 and secured 76.67% marks.
- **B.Sc. (Hons.) Biotechnology** in 2010 from J.C.D.A.V. College, Dasuya, affiliated to Panjab University, Chandigarh in 2010. Secured 83.67% marks.
- **CSIR – NET Life sciences** qualified with **AIR 29 In Lectureship.**
- **ICAR- NET 2014** qualified in **Agricultural Biotechnology.**
- **GATE 2014** and **GATE 2016** qualified in **Biotechnology.**

### **Teaching/Research Experience**

- **6<sup>th</sup> August, 2024-** till date **Assistant Professor** in Department of Biotechnology, GGSDS College, Chandigarh.
- Worked as an **Assistant Professor in Biotechnology** at S.D. College, Hoshiarpur from **July, 2012** to 31<sup>st</sup> July, 2023.
- Worked as Project Support Associate Grade 1 in Oceaneering International Inc. From 2<sup>nd</sup> August, 2023 to 31<sup>st</sup> October, 2023.

### **Publications (Journal/Book Chapters)**

- Paper published in International journal of recent scientific research entitled “APPLICATIONS OF THE BACTERIOCIN, PEDIOCIN”.
- Paper published in ISBN Book entitled ROLE OF ICT IN TEACHING AND LEARNING PROCESS.
- Paper entitled LACTICIN: APPLICATIONS AND FUTURE PERSPECTIVE published in journal **The Research Voyage: An International Bi-Annual Peer Reviewed Multidisciplinary Research Journal’ (ISSN-2582-6077), Volume1, Number 1, December 2019.**
- Paper entitled STAPHYLOCOCCINS: THEIR APPLICATIONS AND FUTURE PERSPECTIVE published in journal **The Research Voyage: An International Bi-Annual Peer Reviewed Multidisciplinary Research Journal’ (ISSN-2582-6077), Volume 3, Number 1, June 2021.**
- Paper entitled “QUALITY OF CANCER CARE-A STUDY TO MAKE IT MORE ACCESSIBLE AND AFFORDABLE” published in ISBN: 978-93-95868-74-7 book entitled “Education, health and social change”.

**Seminars/  
Conferences/Symposiums/  
Paper presentations**

- Participated in **DBT and UGC sponsored National seminars on GMO- current scenario** organized by Department of Biotechnology, Punjabi University, Patiala.
- Participated in **UGC sponsored National seminars on Nanotechnology.**
- Participated in **DBT and UGC sponsored National seminars on BIOTECH VISTAS** organized by Department of Biotechnology, Punjabi University, Patiala.
- Participated in **National seminar on Emerging Trends in Biotechnology.**
- Participated in **National seminar on Emerging trends in information technology and its influence in various sectors.**
- Participated in **National seminar on “Investor awareness” presented paper on Biotechnological development in India and financial and investment models.**
- Participated in **National seminar on role of ICT in teaching and learning process.**
- **Participated in National seminar on role of agriculture in food security by department of agriculture, GGSDS College, Haryana.**
- Participated in three day **National conference on financial implication of COVID-19 on India** with special reference to Punjab organized by community college and PG dept. of commerce, Gujranwala Guru Nanak Khalsa College, Ludhiana.
- Presented a paper entitled **“Role of NEP and its impact on technical education and biotechnology research”** in CDC sponsored national seminar on 7<sup>th</sup> Feb., 2023.
- Participated in **National seminar on :COVID-19: A Boon for environment, a myth or reality”** on 11<sup>th</sup> Feb., 2023 held at GGSDS College, Haryana and presented a paper on Role of biotechnology in securing food security.

**Workshops**

- Participated in workshop on **“High Order Thinking Skill”** by Department of Career Guidance, Lovely Professional University held on 20<sup>th</sup> Feb., 2019.
- Participated in online international two day workshop on **Research Project and Report Writing** organized by Post graduate department of commerce, Swami Premanand Mahavidyalaya, Mukerian held on 8-9<sup>th</sup> June, 2020.
- Participated in 3 day workshop on **Zero Waste** organized by Central University of Punjab and Indian Young Academy of sciences, New Delhi from 16-18

June, 2020.

- Participated in State level online workshop on Social and Health Issues of Indian Women organized by Women cell and M.T.N.S. on 8<sup>th</sup> march, 2021.
- Participated in 7-Day Capacity Building workshop organized by Hindu Kanya College, Kapurthala from 1-8<sup>th</sup> May, 2021.
- Participated in 02 day workshop on Quantitative Aptitude organized by Khalsa College for Women, Ludhiana from 29-30<sup>th</sup> May, 2021.
- Participated in one day online workshop on Psychosocial Counselling Support organized by MGNCRE, GOI on 28<sup>th</sup> June, 2021.

#### **Faculty Development Programme(FDP)**

- Participated in **one week webinar cum faculty development program series on “Current progress and future prospects of Biotechnology”**, organized by the Department of Biotechnology, CBIT in association with Andhra Pradesh Academy of Sciences.
- Participated in one week online FDP on “Strategies in Modern Pedagogy” organized by NIT Sikkim from 16<sup>th</sup> Feb to 20<sup>th</sup> Feb, 2021.
- Participated in FDP on “The role of Science and Spirituality for a harmonious and fulfilling human community” from 15 Mar-19 Mar, 2021.
- Participated in 07 Day FDP on “Research Methodology” organized by S.D. College, Hoshiarpur from 6<sup>th</sup>-12<sup>th</sup> June, 2021.
- Participated in online Faculty Enrichment Program organized by IQAC St. Antony’s college of arts and sciences for women, Thamarapadi, Dindigul from 22-24<sup>th</sup> June, 2021.

#### **Orientation Programme**

- Completed **4-week Induction/Orientation Programme** for “Faculty in Universities/ Colleges/ Institutes of higher education” from May 18-17 June, 2021.

#### **Trainings**

- One month training at **Institute of Himalayan Bioresource Technology, Palampur** on project entitled “**Diagnosis of Cardamom Mosaic Virus in Cardamom plants**” in plant virology lab.
- Short term training on **Micro propagation** at **Thapar University, Patiala**.
- Six weeks training at **Axon Pharmaceuticals Pvt. Ltd.**

#### **Dissertation**

- “**Assessment of stability and biopreservative potential of partially purified bacteriocin produced by *Pediococcus sp.* BA28.**”

**Knowledge and skills**

- Molecular Biology Techniques such as DNA, RNA and plasmid extraction and gel electrophoresis, PCR, restriction digestion of nucleic acids.
- Diagnosis of plant viruses.
- Gene Cloning experiments and transformation in bacteria.
- Microbiological analysis and activity methods.
- Bacteriocin stability and activity assays.
- Biochemistry methods, enzymatic assays, use of spectroscopy, ultrasonication, chromatography methods, encapsulation.
- Preparation of tissue slides and immunoassays.
- Microsoft office.
- Data compilation and making green audit reports.

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