



श्री माता वैष्णो देवी विश्वविद्यालय
SHRI MATA VAISHNO DEVI UNIVERSITY

SCHOOL BOOKLET


SCHOOL OF BIOTECHNOLOGY

Faculty of Science



 www.smvdu.ac.in

 office.sobt@smvdu.ac.in

 A-BLOCK, SMVDU
Kakryal, Katra - 182320

 World
University
Rankings 2024

Young
University 201-
250

Asia
University 251-
300

World
University 801-
1000

 INDIA RANKINGS 2024

Architecture 31

State Public
Universities 51-
100

Engineering 151-
200

OVERVIEW

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ABOUT OUR SCHOOL

Biotechnology continues to expand rapidly with discoveries at a breathtaking pace. This industry, a merger of science and business, demands a multi-disciplinary workforce skilled in basic research, product development, regulatory affairs, and commercialization.

Recognizing this wider impact, the School of Biotechnology at SMVDU has placed due emphasis in the curriculum on interdisciplinary convergence in modern biology, engineering and technology, applied orientation, quantitative approach, practical training, awareness of the broader social economic, environmental, ethical, legal and managerial issues in biotechnology. Some of the distinguishing features of the school include highly qualified faculty, in-house teaching, quality laboratory infrastructure for teaching and research, individual projects, a good library, etc.

The School is dedicated to providing a dynamic educational environment where students can delve into the principles of biotechnology. Established with support from leading governmental bodies, including the Department of Biotechnology (DBT), and strategic collaborations with national and international institutes, the school fosters both theoretical and practical knowledge across various biotechnological domains. With cutting-edge research facilities and a curriculum focused on innovation, the school aims to produce skilled professionals equipped to lead in biotechnology industries.



**NURTURING GLOBAL THINKERS
SHAPING SCIENTIFIC LEADERS**

VISION

To bring in quality of life through developing and imparting knowledge in the field of life-sciences and embracive technologies.



MISSION

To be a platform for research and education in the field of biotechnology at par with international standards to develop a research aptitude amongst stakeholders with an aptitude to serve the local and international issues in the field of life sciences.

HOD'S MESSAGE

“ KNOWLEDGE IS THE MOST IMPORTANT OF ALL WEALTH”

Welcome to the School of Biotechnology



Dr. Ratna Chandra
Professor & Head
School of Biotechnology

We aim to provide an environment in which all the students can thrive holistically, achieve maximum to their potential, and do the very best science o the current trends.

Our mission is to foster ethical, skilled and engaged global citizens, well-prepared to adapt and lead in a rapidly changing world. We achieve this through a robust blend of research, interactive and interdisciplinary teaching and active community and civic engagement. We have also tied up with various prestigious institutes to advance our teaching-learning process. Apan from regular classroom training, here we offer the best research-fostering environment through innovative pedagogy, choice of interdisciplinary ming subjects, summer, and winter internship programs, customized mentoring targeted research, and value-added programs

As Head of this vibrant school, I am continually inspired by the dedication of ou faculty towards their area of specialization contributing uniquely to the enthusiasm of our students in a comprehensive understanding of the lates trends and advances in blotechnology, ensuring that these students are well equipped to achieve their career goals and make positive societa contributions

This booklet provides essential information about our School its infrastruttura and manpower resources, running academic programs and their guidelines and our achievements including our alumni force. You will also find links to sites which provide further information. If you wish to become more wolved with ou school activities or have any questions about our programs, please feel free to contact me at hod.biotech@smvdu.ac.in.

MEET OUR FACULTY



Prof. Ratna Chandra
Professor & Head of
School



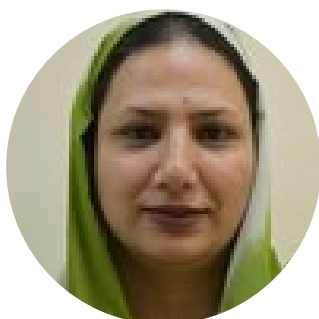
Prof. M. Sharada
Potukuchi
Professor



Dr. Anil Kumar
Associate
Professor



Dr. Preeti Sharma
Associate Professor



Dr. Shafaq Rasool
Associate Professor



Dr. Parvez Singh Slathia
Associate Professor



Mr. Arvind Kumar Yadav
Assistant Professor



Dr. Indu Bhushan
Associate Professor



Dr. Vinod Singh
Assistant Professor



Dr. Rakesh Kumar
Associate Professor



Dr. Raju Shankarayan
Associate Professor



Dr. Ravi Datta Sharma
Associate Professor

BOUQUET OF PROGRAMMES



- ICMR Lab
- MassArray Central Facility
- Molecular Biology Research Lab
- Microbiology Research Lab
- Chemistry Lab
- Tissue Culture Lab
- Bioinformatics Centre
- Biotechnology Lab

ABOUT US

The School of Biotechnology at Shri Mata Vaishno Devi University is a hub of innovation, preparing students to excel in cutting-edge fields like genetic engineering, bioinformatics, pharmaceuticals, and environmental biotechnology. With advanced labs, industry collaborations, and a focus on research, we combine interactive learning with practical experience. Our mission is to cultivate skilled professionals dedicated to societal progress, embodying the spirit of excellence and innovation.

B.TECH (4YEARS)

The B.Tech program in Biotechnology provides a strong foundation in biological sciences and engineering. Specializations include Molecular Biology, Genetic Engineering, Bioinformatics, and Bioprocess Engineering.

B.TECH (HONORS)

The Honors program offers advanced knowledge with specializations in Genome Engineering & Technology (GET) and Sustainable Energy Engineering (SEE).

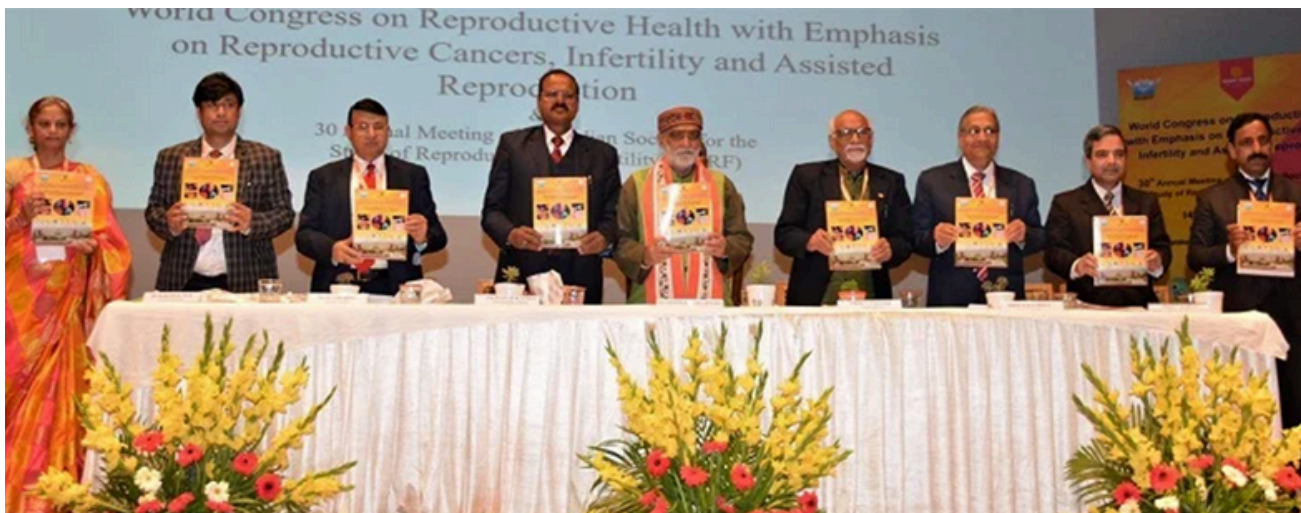
B.SC - M.SC

The B.Sc. & M.Sc. in Biotechnology at SMVDU provides a strong foundation in biological sciences with advanced research opportunities. The Integrated B.Sc.–M.Sc. program, designed as per NEQF, offers multiple exit options. The M.Sc. in Biotechnology focuses on cutting-edge research, with an option for Genetics Specialization and a DBT-supported track.

PH.D

A research-intensive program aimed at producing experts in biotechnology and allied fields through rigorous coursework and innovation-driven research.

SOBT MAJOR EVENTS



World Congress on Reproductive Health with emphasis on Reproductive Cancer Infertility and Assisted Reproduction



Workshop on Sanger Sequencing



National Conference on Plant Science



National workshop on Diagnostics Cytogenetics

SOBT MAJOR EVENTS



Invited Lecture by Prof. Tej K Pandita, Centre from Genomics and Precision Medicine, Texas A&M College of Medicine, USA



Guest lecture under the DBT-PGT program by Prof. Ashok Kumar Srivastava, IIT-Delhi



Invited Lecture by Prof. (Dr.) Hari K Koul of Cancer Center LSU Health, New Orleans



Industrial visit to Kingfisher mineral water bottling & food processing unit at Panthal (Katra)



One day Bioinformatic Workshop



Educational Trip to SKAUST-Kashmir

SOBT MAJOR EVENTS



International Conference on “Emerging Trends in Biosciences and Chemical Technology”



Visit to Surinsar Lake on occasion of World Wetlands day, 2023



World Wetlands Day, 2024



World Water Day, 2023



International Conference on Applied Biology



Farmer-Faculty Interaction Meet



Lecture by Prof. Jagat Roy, BHU



Guest Lecture by Prof. Ramakrishna Wusirika, Professor, Central University of Punjab, Bathinda

OUR ALUMNI



Dr. Rashmi Sharma
Scientist, Infectious
Diseases Division,
CSIR-IIIM



Dr. Payal Dhar
Senior Scientist,
Bristol Myers Squibb



Dr. Hemender Singh
Founder and Director
B-ezy Diagnostics Pvt. Ltd.



Dr. Ruchi Shah
DST-WISE Post Doctoral
Fellow, University of
Kashmir



Dr. Gurleen Kour
Scientist, Pharmacology
Division, CSIR-IIIM



Dr. Varun Sharma
Head of R&D and
Bioinformatics,
NMC Healthcare



Dr. Indu Sharma
Postdoctoral Research
Fellow USC Los Angeles,
California ,United States



Dr. Aman Sharma
Postdoctoral Research
Fellow Memorial Sloan
Kettering Cancer Center,
New York



Ms. Nisha Sharma
Assistant Professor,
Government Gandhi
Memorial Science College
Jammu



Dr. Arshia Angural
Professor, JSS Academy of
Higher Education
& Research,
Karnataka, India

OUR RECRUITERS





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School of Electronics and Communication Engineering

Design Team

Mr. Deepankur Gupta , LA, SoECE
Mr. Devesh Pratap Singh Chauhan, 4th Year, SoECE
Mr. Utsav Manideep, 3rd Year, SoECE