



SANKAGIRI VIVEKANANDHA ARTS AND SCIENCE COLLEGE FOR WOMEN

Affiliated to Periyar University, Salem
Veerachipalyam, Sankagiri - 637303, Salem.



Prof. Dr. M. Karunanthi, B.Pharm., M.S., Ph.D., D.Litt.,
Chairman & Secretary



DEPARTMENT OF BIOTECHNOLOGY

NEWSLETTER

VOLUME 4, OCTOBER 2025



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LABORATORIES



Molecular Biology Work Station & Biotechnology Research Lab



Plant Tissue Culture Facility



Plant Tissue Culture Growth Chamber & UG Laboratory



- **Overview of Department**
- **Student achievements**
- **Footprint of the Department**
- **Notable Events of September**

EDITORIAL DESK

**Dr. S. G. PRABHAKARAN, AP & HOD
FACULTY MEMBERS & STUDENTS**



About the College...

Vivekanandha Arts and Science College for Women is situated at Veerachipalayam, Sankari west post, Sankagiri Taluk, Salem District of Tamil Nadu adjoining Coimbatore – Salem National Highway. The Campus is 8kms away from Sankagiri, 25 kms from Erode, 50kms from Salem and 110 kms from Coimbatore. On entering the campus, one would be gripped by the gorgeousness of the college. The natural atmosphere maintained in the campus is pleasant, healthy and stimulating in every sense. Spreading over 2,00,000 sq.ft. of building space, the classrooms, library, laboratories, separate seminar hall for Arts and Science Department, smart auditorium and learning centers of Vivekanandha Arts and Science College for Women have been designed with meticulous attention, making it truly a world class. The Vibrant interiors and exquisite finishing lends the college an ambience that is as delightful and inspiring.

NEWSLETTER
VOLUME - 4
September, 2025



About the Department...

The Department of Biotechnology is offering Undergraduate program (B. Sc Biotechnology) from 2017 onwards and Post graduate program (M. Sc Biotechnology) from 2021 onwards. The Department of Biotechnology has been upgraded to Research Department in 2023 for offering Doctorate degree in Biotechnology (Ph.D – Full Time/ Part Time). The Department of Biotechnology is well established with the state-of-art laboratory facilities, excellent teaching & learning infrastructure, research & innovation ecosystem intended to create a job oriented professional training, entrepreneurship aptitude and impart research skills to the prospective students and attain a successful outcome based higher education in the field of life sciences.

NEWSLETTER
VOLUME - 4
October, 2025

CHAIRMAN'S MESSAGE

It gives me great pleasure to welcome you to another promising academic year at Department of Biotechnology, VIAAS. September was filled with enthusiasm, learning, and growth, setting a strong foundation ahead. Through guest lectures, workshops, and events, our faculty and staff have created a vibrant campus environment. Moving forward, we will focus on strengthening academics, expanding opportunities, and fostering collaborations that prepare our students for today's dynamic world. Let us build on our successes, embrace new opportunities, and work together toward greater milestones. Wishing you a fruitful year ahead!



Prof. Dr. M. Karunanithi, B.Pharm., M.S., Ph.D., D.Litt.,
Chairman & Secretary
Vivekanandha Educational Institutions & Hospitals,
Sankagiri, Salem



Dr. V. Padmanabhan, M.Com., M.Com(CA), MBA., Ph.D., NET
Principal,
Vivekanandha Arts and Science College for Women,
Sankagiri, Salem

PRINCIPAL'S MESSAGE

It is my pleasure to share the accomplishments of Department of Biotechnology, VIAAS, guided by the visionary leadership of our Chairman and Secretary in providing world-class education and nurturing responsible citizens. Their dedication has brought consistent university ranks and gold medals. Our campus thrives with lectures, workshops, induction programs, and student initiatives, reflecting faculty commitment and student enthusiasm. With a focus on discipline, excellence, and holistic growth, I warmly welcome new students and present the highlights of September 2025 in this newsletter.

IQAC - DIRECTOR'S MESSAGE

It gives me great pleasure to share that Department of Biotechnology, VIAAS continues to uphold its commitment to quality, discipline, and excellence. Through the initiatives of the Internal Quality Assurance Cell, we strive to enhance academic standards, promote innovative practices, and ensure holistic student development. With the active support of faculty, staff, and students, we aim to build a vibrant learning environment that nurtures knowledge, values, and global competencies. Together, let us work towards sustaining quality benchmarks and achieving new milestones in the journey of academic excellence.



Dr. B. T. Suresh Kumar, M.Sc., M.Phil., Ph.D.,
Director - IQAC,
Vivekanandha Arts and Science College for Women,
Sankagiri, Salem

NEWSLETTER, OCTOBER 2025



STUDENT ACHIEVEMENTS

FOUR DAYS WORKSHOP ON ANIMAL CELL CULTURE TECHNIQUES & DRUG TESTING

Day 1: Human Forensic DNA Fingerprinting & DNA Profiling

Our students actively participated in interactive sessions covering principles of DNA extraction, PCR amplification and gel electrophoresis techniques used in forensic investigations. The hands-on component allowed participants to observe and understand the process of generating a DNA profile.



Day 2: Preparation of Animal cell culture from spleen, chick embryo and liver samples

On the second day of the workshop, participants gained practical experience in preparing primary animal cell cultures from spleen, chick embryo, and liver samples. The session included demonstrations on tissue isolation, cell dissociation, and aseptic handling techniques under sterile conditions. Students actively participated in setting up culture media and initiating cell growth for further analysis.



Day 3: Assessment of Cell Viability

On the third day of the workshop, participants focused on assessing cell viability as part of cytotoxicity analysis. The session introduced various techniques used to determine cell health and survival after drug exposure, including dye exclusion and colorimetric assays. Students performed hands-on experiments to evaluate the effects of different concentrations of test compounds on cultured cells.



Day 4: Assessment of Cytotoxicity effects of Drugs on animal cell culture

On the fourth day of the workshop, participants carried out experiments to evaluate the cytotoxic effects of selected drugs on cultured animal cells. The session focused on determining dose-dependent responses and analyzing morphological changes in treated cells. Students learned to interpret experimental data to assess the safety and efficacy of drug compounds.





World Cotton Day Celebration

The I BSc biotechnology students conducted World Cotton Day to recognize the significance of cotton in daily life. It emphasizes cotton's role in the economy, culture, and sustainable textile practices. The program was organized on 07.10.2025 providing an awareness on cotton farming, innovation in textile industry & global trade.



Swachh Bharat Programme

The Swachh Bharat Programme was organized on 10.10.2025 to promote cleanliness and hygiene within the campus and surrounding areas. Students and faculty actively participated in cleaning activities and spreading awareness about waste management. The event emphasized the importance of maintaining a clean and healthy environment.



International Day of Disaster Risk Reduction

Our I BSc Biotechnology students organized International Day for Disaster Risk Reduction on 13.10.2025 to promote a global culture of disaster prevention. It emphasizes reducing the impact of natural and man-made hazards on communities. The day inspires governments and individuals to work together for a safer, resilient world with preparedness and management strategies to combat the risk.



Flyer & Poster Making Activity

Our II B.Sc Biotechnology students organized a "Flyer and Poster Making Activity", encouraging creativity and teamwork among students. Participants designed informative and artistic posters on social and environmental themes. Students also taught and guided each other in using design tools and presentation techniques. The activity fostered peer learning, communication and provided visual expression.



World Standards Day

Our I Bsc Biotechnology students celebrated World Standards Day on 14.10.2025 to honor the importance of standardization worldwide. It highlights how standards ensure quality, safety, efficiency, and innovation. The day promotes awareness of the role of standardization in trade and technology. It recognizes the work of experts and organizations who develop and maintain standards.

Quick Fire Quiz

Our II Bsc Biotechnology conducted Quick Fire Quiz based on Science was organized on 14.10.2025 to test students' scientific knowledge and thinking speed. Participants answered rapid questions from various branches of science in a fun and engaging format. The activity promoted curiosity, quick reasoning, and teamwork among students. It encouraged learning through healthy competition and interactive participation



OCTOBER, 2025



World Students' Day (Dr A.P.J. Abdul Kalam's Birthday)

On the occasion of World Students' Day, Ms.V.Kavya, I Bsc Biotechnology has delivered an inspiring talk on highlighting the importance of education, innovation, and the role of students in shaping a better future. She spoke about the values promoted by Dr. A.P.J. Abdul Kalam, whose birthday is celebrated as World Students' Day.

Science behind Vaccination - Seminar

A seminar on "How Vaccines Works" was conducted on 16.10.2025 by I Bsc Biotechnology to illustrate the science behind immunization. The session explained how vaccines stimulate the immune system to protect against diseases. It highlighted different types of vaccines, their development process, and their role in public health in preventing outbreaks and maintaining community health.





CSIR Exam Discussion Forum

Our I M. Sc Biotechnology students organized a CSIR discussion forum on 22.10.2025 with an objective of enhancing conceptual understanding and problem-solving skills in core subjects.

World Chocolate Day

World Chocolate Day was celebrated by I BSc Biotechnology students on 28.10.2025 to honor the love for chocolate and its history. The event included fun activities like chocolate tasting and creative presentations. It highlighted the journey of chocolate from cocoa beans to delicious treats. The health benefits of dark chocolates and the chocolate's cultural, culinary and economic significance were appreciated in the event.



OCTOBER, 2025

Interactive & Creative Panel Game

The I Msc Biotechnology Students organized an interactive game on 30.10.2025 which is designed to energize participants and help them get comfortable with each other through fun and quick-thinking challenges. It involves riddles, puzzles, or tricky questions that test participants' creativity, memory, and presence of mind. The activity encourages teamwork, communication, and laughter, making it a perfect way to break the initial awkwardness and create a friendly atmosphere.



NOTABLE EVENTS OF OCTOBER

FORENSIC DNA FINGERPRINTING AND PROFILING



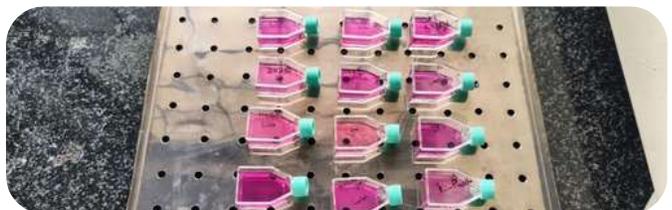
HANDS ON TRAINING WORKSHOP ON ANIMAL CELL CULTURE



FORENSIC DNA FINGERPRINTING PROFILE



CELL VIABILITY & CYTOTOXICITY ASSAY



FACILITIES OF THE INSTITUTION



Free Transportaion



24*7 Hospital



Hostel



Canteen



Beauty Palace



Auditorium



Library



Digital Library



Sports ground



Turf



TIRUCHENGODE CAMPUS

Swamy Vivekanandha Medical College Hospital and Research Institute

Vivekanandha Dental College for Women

Swamy Vivekanandha College of Pharmacy

Vivekanandha College of Nursing

Vivekanandha School of ANM

Swamy Vivekanandha Physiotherapy College

Vivekanandha Allied Health Science (Co- Ed)

Krishna Institute of Optometry & Research

Vivekanandha Institute of Health Science & Research (Boys)

Krishna Institute of Health Science (Boys)

Vivekanandha College of Engineering for Women (Autonomous)

Vivekanandha College of Technology for Women

Vivekanandha Institute of Information and Management Studies

Vivekanandha College of Arts & Sciences for Women (Autonomous)

Vivekanandha College for Women

Vivekanandha College of Education for Women

Krishna College of Education For Women

Krishnasree College of Education For Women

Vivekanandha Vidhya Bhavan Matric Higher Secondary School

Vivekanandha Medical Care Hospital (VMCH)

SANKAGIRI CAMPUS

Swamy Vivekanandha Naturopathy and Yoga Medical College

Vivekanandha Pharmacy College for Women

Vivekanandha Nursing College for Women

Vivekanandha Arts & Science College for Women

Vivekanandha ANM School

Rabindranath Tagore College of Education for Women

Viswabharathi College of Education for Women

