



**SWAMI VIVEKANANDA UNIVERSITY,
BARRACKPORE**

**SCHOOL OF
LIFE SCIENCES**

**DEPARTMENT
OF
MICROBIOLOGY**

**FEBRUARY- MARCH
NEWSLETTER
2024**



SWAMI VIVEKANANDA UNIVERSITY,
BARRACKPORE

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ABOUT THE DEPARTMENT

Department of Microbiology under the School of Life Sciences, Swami Vivekananda University aims in serving bunch of aspirants heading towards excellence, just in need of a perfect platform to redefine themselves. The department hosts a high bucket of Postgraduate students, Bachelor's students and also PhD scholars, along with academic staff, including newly independent researchers.

Aiming at sailing high, the department offers a high specialized lab infrastructure comprising of 4 laboratories on Microbiology, Molecular Biology & Biochemistry, Plant Biotechnology, Bio-engineering.

The library comes with a head set of rich informed books on relevant fields, serving an all-time space for the students to explore what's new and emerging. The perfect blend of theory with practical knowledge occurs with the provision of classes in spacious classrooms along with well-equipped labs. It gives the students a much-needed environment to experience learning, grooming as well as placement in reputed industries, with a high noted exposure of internships, hands on trainings and industry visits.

MISSION

Our mission is to keep the department regarded as an example to any, in terms of its relevance of all areas, including teaching and research, quality of facilities and support, and learning opportunities and working experience.



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VISION

The Microbiology Department at Swami Vivekananda University envisions itself as a globally recognized center of excellence in microbiological sciences, where academic brilliance and innovative research converge. Our vision is anchored in a commitment to providing students with a transformative educational experience, instilling in them a profound curiosity, critical thinking skills, and a fervor for exploration. We aspire to lead pioneering research initiatives that address global challenges and contribute to societal betterment. Through interdisciplinary collaborations, both within the university and beyond, we seek to create synergies that drive transformative research. Our student-centric approach prioritizes holistic development, ensuring that graduates are equipped not only with comprehensive theoretical and practical knowledge but also essential skills, ethical values, and a global perspective. By continuously upgrading state-of-the-art facilities, fostering community engagement, and promoting leadership in industry, we aim to achieve global recognition as a hub for microbiological excellence. Through a commitment to continuous improvement and a dynamic curriculum, we envision shaping a future where the Microbiology Department plays a pivotal role in influencing the trajectory of microbiological sciences worldwide, inspiring generations of scientists and researchers.



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OBJECTIVE

1. **Academic Excellence:** Deliver high-quality education and training at various academic levels.
2. **Cutting-Edge Research:** Cultivate a culture of innovative and impactful research in microbiological sciences. **State-of-the-Art Facilities:** Maintain and upgrade specialized laboratories for practical learning experiences.
3. **Interdisciplinary Collaboration:** Foster collaborations with other departments, research institutions, and industries.
4. **Holistic Learning:** Integrate theoretical knowledge with hands-on practical experiences.
5. **Library Resources:** Maintain a comprehensive library with a rich collection of microbiology-related resources.
6. **Industry Exposure:** Facilitate internships, hands-on training, and industry visits for real-world applications.
7. **Ethical Practices:** Instill a strong sense of ethical conduct and responsibility in research and professional practices.
8. **Global Perspective:** Prepare students for success in a diverse and interconnected professional landscape.
9. **Community Engagement:** Engage with the community through outreach programs and collaborative initiatives.
10. **Continuous Improvement:** Adapt to evolving trends and challenges in microbiology, maintaining a dynamic curriculum.



SWAMI VIVEKANANDA UNIVERSITY,
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PROGRESS REPORT

FEBRUARY - 2024

Nurturing Excellence: A Retrospective on ICALF-2024 at Swami Vivekananda University

The second edition of ICALF-2024 convened from February 22nd to 24th, 2024, within the esteemed confines of our university campus. The conference inauguration witnessed the distinguished presence of honourable Prof. Samirranjan Adhikari sir and honourable Prof. Nimai Chandra Saha sir, lending profound significance to the event. Expert lectures by luminaries like Prof. Nimai Chandra Saha and Dr. Chirantan Sarkar, alongside contributions from esteemed faculty members Dr. Srijan Halder and Dr. Priyajit Banerjee, enriched scholarly discourse.

Technical sessions provided a valuable platform for doctoral candidates, postgraduate scholars, and undergraduate students from the Department of Microbiology to engage actively, fostering a dynamic exchange of ideas and insights. These endeavors underscore Swami Vivekananda University's unwavering commitment to nurturing a culture of scientific inquiry and scholarly excellence, preparing our students with the necessary skills and proficiency for their future endeavors.

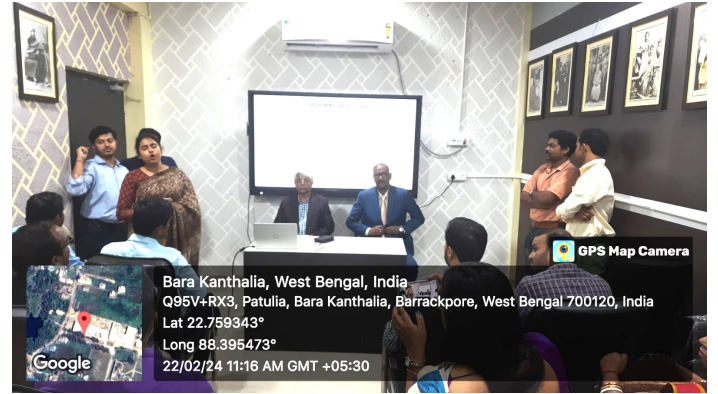
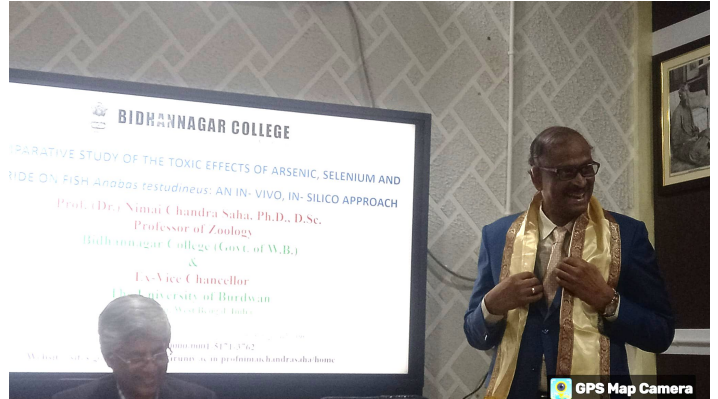
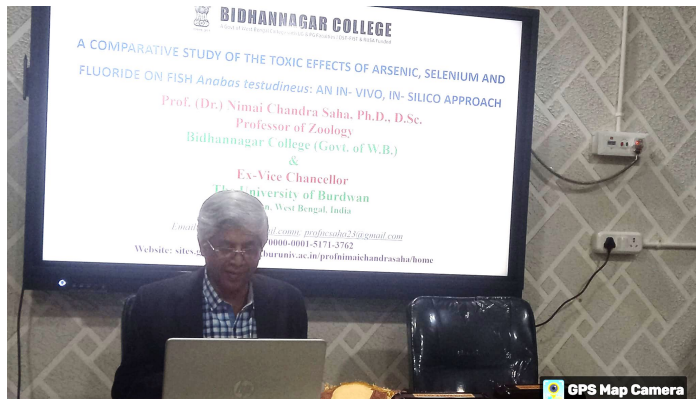


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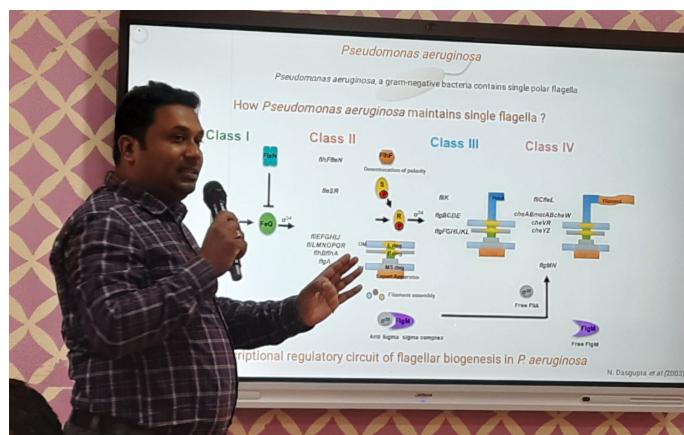
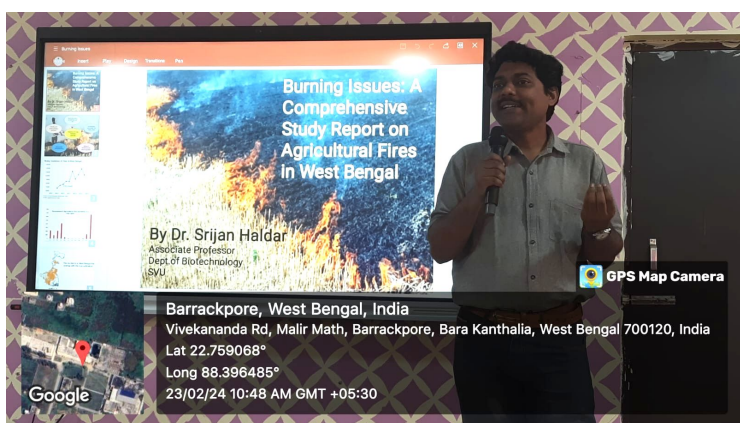


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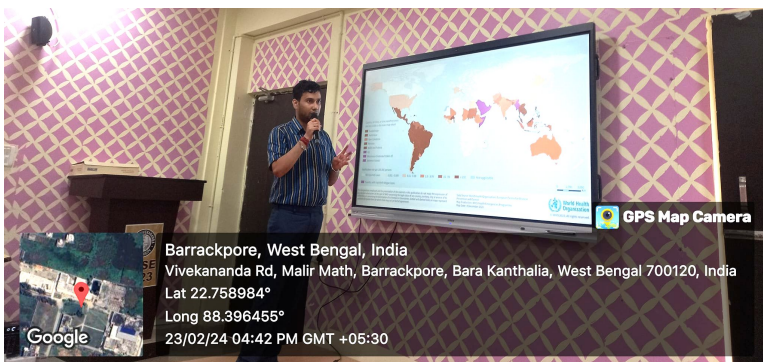
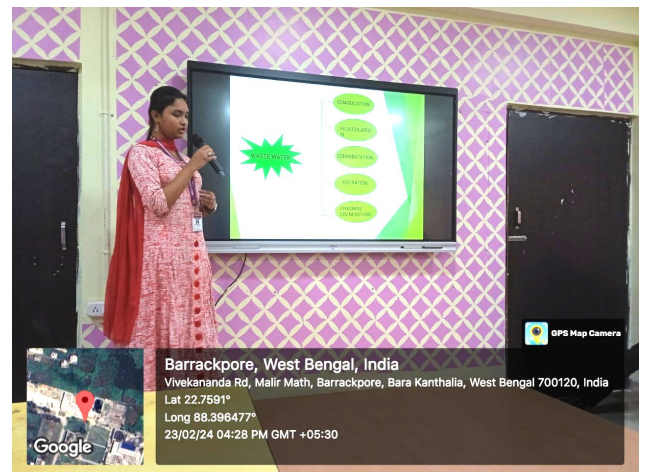
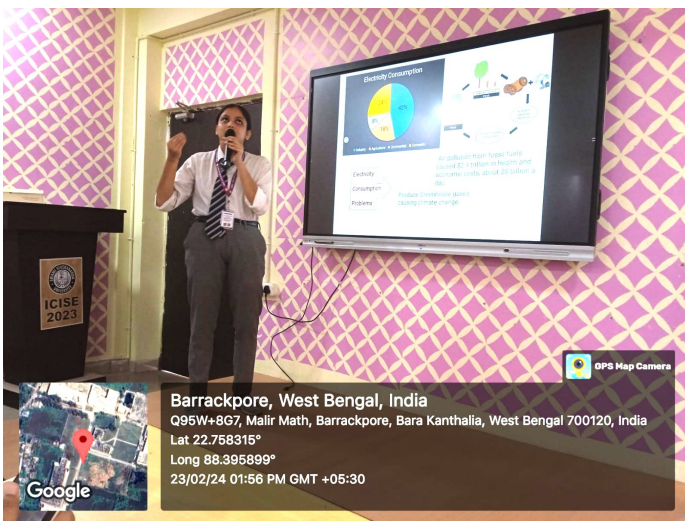


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FEBRUARY - 2024

Championing Indigenous Innovation: National Science Day 2024



The celebration of National Science Day – 2024, was a collaborative effort between the School of Life Sciences and the School of Allied Health Sciences at Swami Vivekananda University. The event kicked off with a series of enlightening lectures delivered by esteemed guests, each bringing valuable expertise from their respective fields. Dr. Saptarshi Biswas sir, Deputy Technical Manager at the Department of Biotechnology, Ministry of Science and Technology, Government of India, provided valuable perspectives on the importance of scientific applications in the present times. Dr. Ritesh Ranjan Pal sir, Assistant Professor at the School of Biological Sciences, Indian Association for the Cultivation of Science (IACS), Kolkata, shared insights into cutting-edge biotechnological and microbial advancements. Dr. Anindya Sundar Panja sir, Assistant Professor & Head, Department of Biotechnology & Biochemistry at Burdwan Institute of Management and Computer Science, Burdwan, offered expertise on biotechnology and biochemistry. Lastly, Dr. Sunanda Biswas ma'am, Assistant Professor in the Department of Food & Nutrition at Acharya Prafulla Chandra College, West Bengal State University (WBSU), shared valuable insights into the field of nutrition science. These lectures significantly contributed to enhancing the understanding and appreciation of various facets of science and technology among the attendees.

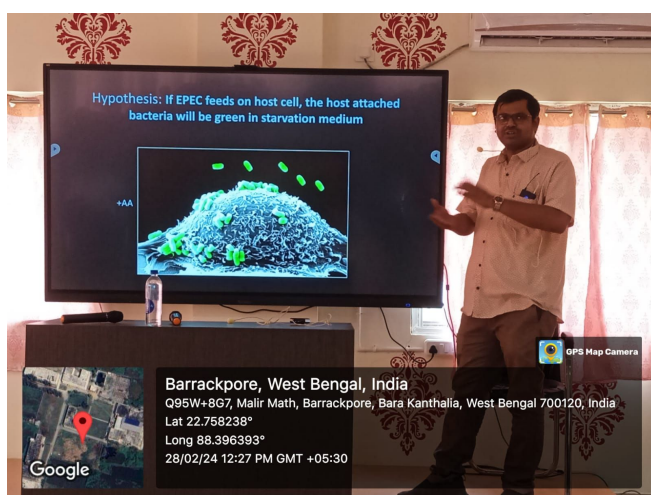


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Championing Indigenous Innovation: National Science Day 2024



The latter part of the event featured an engaging inter-departmental quiz competition involving students from various disciplines including Biotechnology, Microbiology, BMLT, Optometry, Food & Nutrition, BMRIT, BPT, and Psychology. The competition was intense, with students from Biotechnology, Microbiology, and Optometry vying closely for the top positions. Ultimately, Biotechnology emerged as the champions, with Optometry securing the first runners-up position and Microbiology as the second runners up.

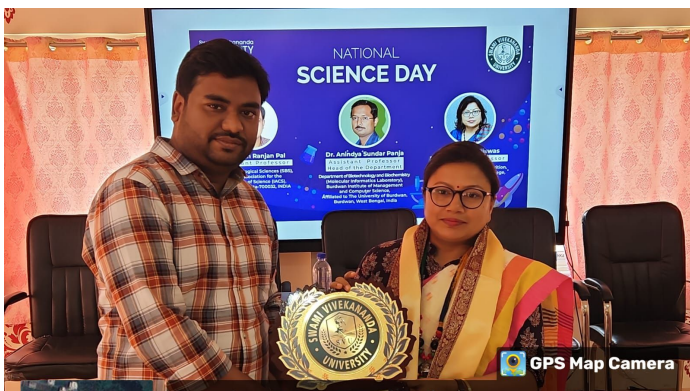
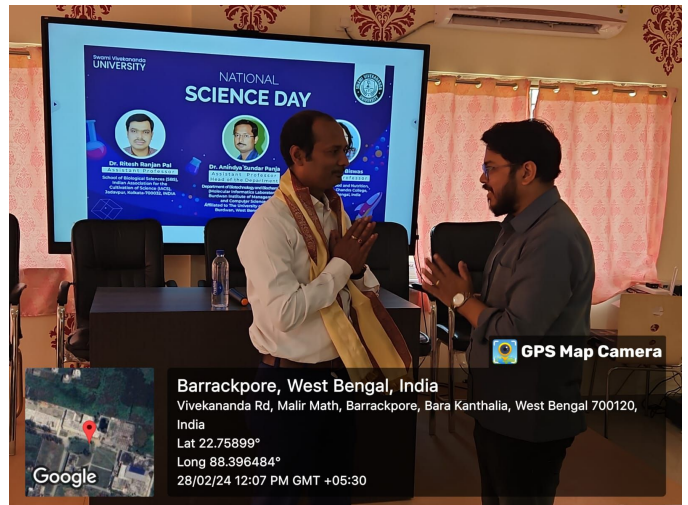


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Championing Indigenous Innovation: National Science Day 2024





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PROGRESS REPORT

MARCH - 2024

Commencement of Departmental Journal Club



Swami Vivekananda University's School of Life Sciences, Department of Microbiology, recently hosted a thorough mock interview session tailored specifically for final-year postgraduate students. Acknowledging the crucial role interviews play in shaping students' professional paths, the department proactively organized this session to ensure graduates are well-equipped for the demands of the job market. With the aim of boosting confidence and refining interview skills, the session simulated real-world scenarios, providing students with practical learning opportunities. Through constructive feedback and guidance, the department aimed to address any lingering uncertainties or nervousness among students, fostering a sense of readiness and assurance as they enter the job market. This initiative highlights the university's commitment to holistic student development and its dedication to empowering graduates with the skills needed to succeed in today's competitive job market.

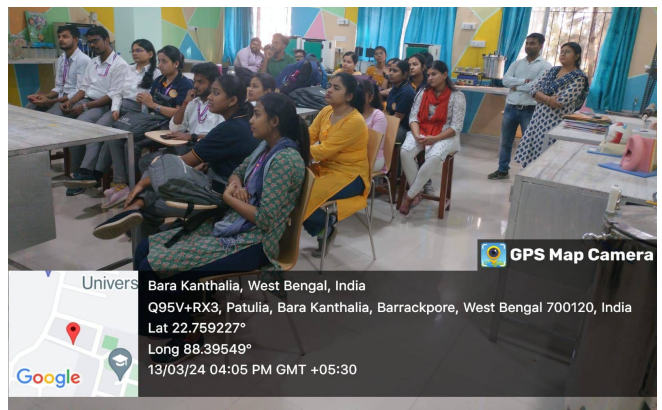
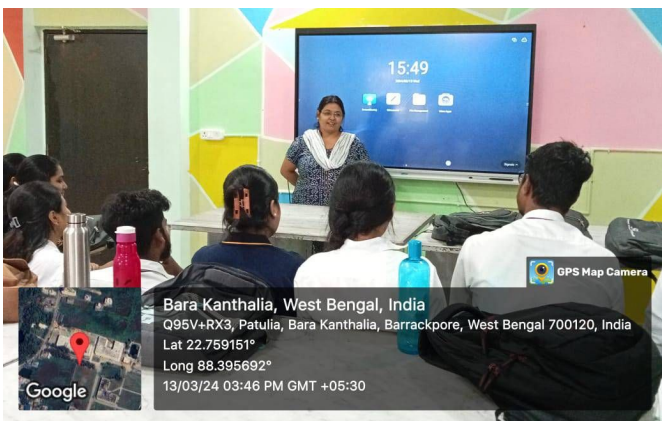


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Commencement of Departmental Journal Club





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MARCH - 2024

Vaccination Day Celebration: Promoting Immunization Awareness at Swami Vivekananda University

Departments of Microbiology and Biotechnology Swami Vivekananda University's commemorated Vaccination Day with great enthusiasm, underscoring the crucial role of immunization in public health. Dr. Sarita Sarkar, a renowned expert from Neotia University, was invited as the guest speaker for an enlightening lecture session. Dr. Sarkar shared invaluable insights into the importance of vaccination, shedding light on its impact on disease prevention and public well-being. The event continued with a captivating reel competition organized by the departmental students. This competition served as a platform for students to deepen their understanding of the diverse types of vaccines available and their respective mechanisms of action. Through creative presentations and discussions, participants explored the intricacies of vaccine development, distribution, and administration. The celebration of Vaccination Day at Swami Vivekananda University not only highlighted the significance of vaccination but also fostered engagement and awareness among students regarding the critical role they play in promoting public health initiatives.



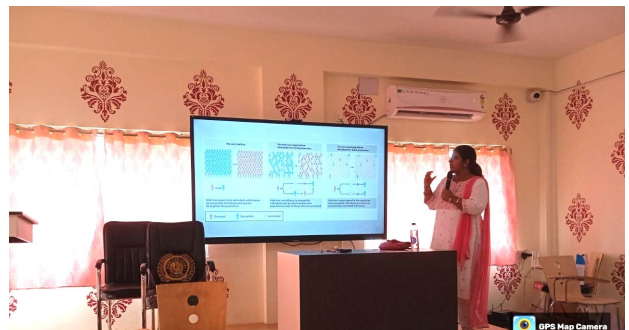


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Vaccination Day Celebration: Promoting Immunization Awareness at Swami Vivekananda University





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Planning (April 2024)

World Down Syndrome Day



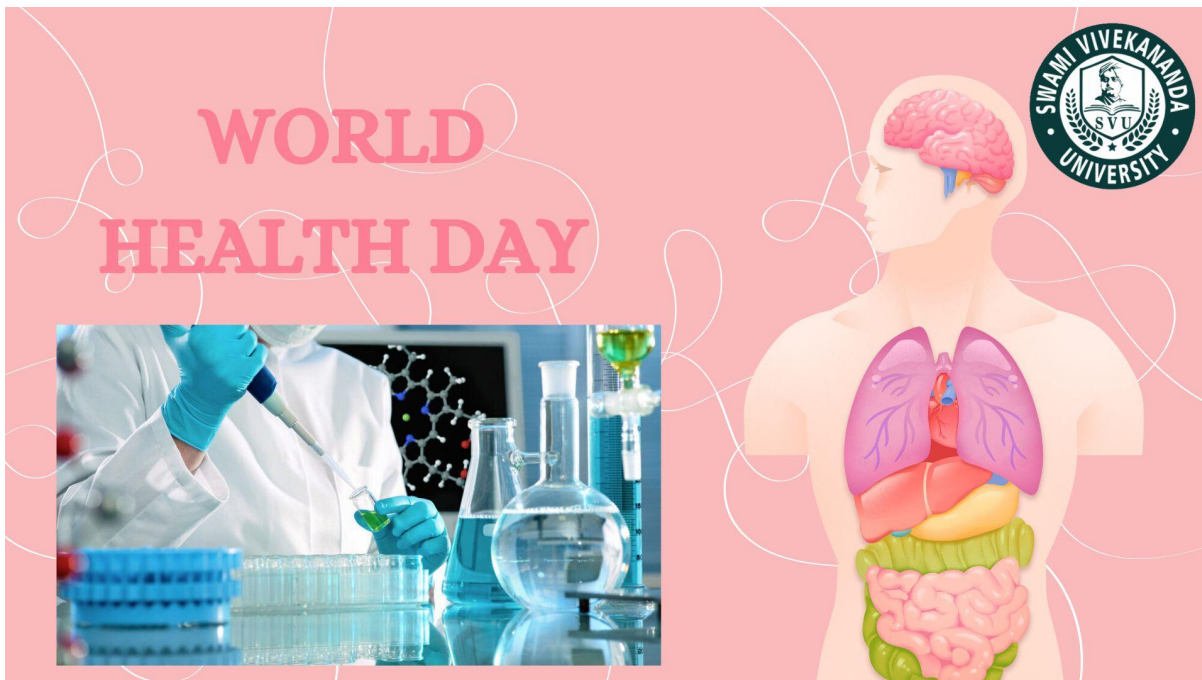
Under the inspirational leadership of Shri Saurabh Adhikari, Chief Operating Officer of Swami Vivekananda University, the Departments of Microbiology and Biotechnology within the School of Life Sciences are thrilled to unveil the forthcoming celebration of Down Syndrome Day. We are honored to welcome Dr. Sujoy Ghosh, Associate Professor in the Department of Zoology at University of Calcutta, as our esteemed guest of honor for this occasion. The event will commence with an enlightening lecture delivered by Dr. Ghosh, a distinguished speaker in the field. Following the lecture, students will actively participate in a range of engaging activities designed to raise awareness and celebrate the importance of Down Syndrome Day.



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Planning (April 2024)

World Health Day



In an exciting collaboration, the Department of Biotechnology and Microbiology, housed within the esteemed School of Life Sciences, is teaming up with the Departments of Agriculture and Allied Health Sciences to orchestrate a grand celebration for World Health Day on campus. This joint endeavor seeks to underscore the paramount importance of health within our student body and wider academic community. By joining forces, we aim to not only elevate awareness but also foster a culture of holistic well-being among students, faculty, and staff. Through various engaging activities and educational initiatives, we endeavor to instill a deeper understanding of the pivotal role that health plays in our lives, empowering individuals to make informed choices for their own well-being and that of society at large.



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Planning (May-2024)

National Technology Day

Under the esteemed guidance of Shri Saurabh Adhikari, Chief Operating Officer of Swami Vivekananda University, the Departments of Microbiology and Biotechnology, within the prestigious School of Life Sciences, are gearing up to commemorate National Technology Day on May 11th. The objective is to highlight the indispensable relationship between life sciences, particularly biotechnological interventions, and technology. Through this celebration, we aim to motivate students to grasp the intricacies of technology and its application within the realm of life sciences. Our goal is to inspire students to not only understand but also implement technological advancements effectively, thereby fostering innovation and progress in this critical field.





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Planning (May-2024)

Biological Diversity Day



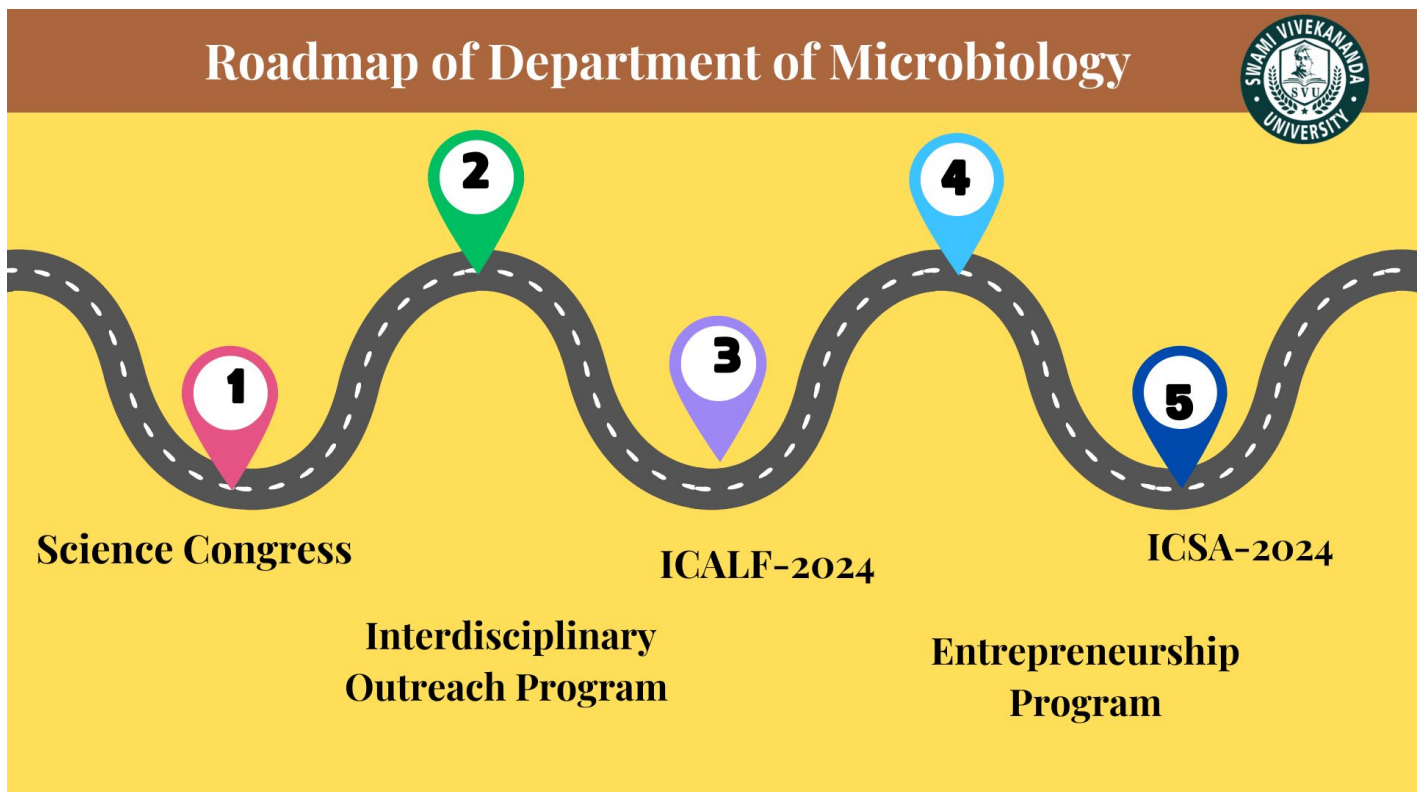
The United Nations annually observes the International Day for Biological Diversity (IDB) on May 22nd, aiming to elevate awareness surrounding biodiversity issues and the threats posed by human activities. It also seeks to underscore the significance of biodiversity as a global asset for future generations. The UN General Assembly designated May 22nd as IDB in December 2000, commemorating the adoption of the Convention on Biological Diversity (CBD) on May 22, 1992.

In line with this global initiative, the School of Life Sciences, along with the Departments of Microbiology & Biotechnology, is organizing a celebratory event. The objective is to emphasize the importance of biodiversity and engage students through various interactive activities aimed at deepening their understanding of diverse life forms. Through this event, we aim to foster a sense of appreciation and stewardship for the rich tapestry of life on our planet among the student community.



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Departmental Roadmap



The roadmap of department of Microbiology prioritizes academic excellence through key initiatives. Our participation in science congress events promotes research visibility, while interdisciplinary outreach programs foster collaboration. The upcoming major International Conference - ICSA-2024 stands out as a global platform for knowledge exchange. Additionally, an integrated entrepreneurship program empowers students to apply microbiological innovations practically. This roadmap reflects our commitment to excellence, collaboration, global engagement, and fostering an entrepreneurial mindset among our students.



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Editorial - From HoD's Desk



Dr. Pritha Pal

Head, Department of Microbiology
School of Life Sciences
Swami Vivekananda University

The Department of Microbiology at the School of Life Sciences, Swami Vivekananda University, is steadfastly committed to nurturing student development and fostering academic excellence through a holistic approach to education. With a focus on creating an environment conducive to growth and achievement, our department diligently plans and executes various initiatives in collaboration with the School of Life Sciences. Our efforts have culminated in the organization of several noteworthy events, such as ICAP 2024, which saw active participation from both postgraduate and undergraduate students who presented their research papers. These events not only enriched their scientific understanding but also provided invaluable exposure to the academic community. Furthermore, faculty members have actively contributed by presenting their research findings for publication and showcasing their work at prestigious platforms. National Science Day, observed on February 28th, served as a platform to instill in students a deeper appreciation for the practical applications of theoretical knowledge acquired in the classroom. Additionally, our department organized an inter-departmental quiz competition, where the Undergraduate Biotechnology Semester 4 emerged victorious, showcasing the caliber of talent within our student body. In the realm of technology, our students excelled in the 3D models segment of the tech fest, underscoring their ability to translate theoretical concepts into practical innovations.



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Editorial - From HoD's Desk



Dr. Pritha Pal

Head, Department of Microbiology
School of Life Sciences
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Throughout March, our department continued its endeavors with the commencement of Journal Club comprising of semester -II postgraduate students, marked by engaging journal club sessions that delve into recent research publications. These sessions serve to cultivate a culture of scientific inquiry and innovation among our students, shaping them into future leaders in their respective fields. In our ongoing commitment to public health awareness, we celebrated Vaccination Day with great enthusiasm. It was an honor to host Dr. Sarita Sarkar, Assistant Professor at Neotia University, as our esteemed guest speaker, whose insights enriched our understanding of vaccination and its importance in disease prevention.

We are deeply grateful for the unwavering support of the university's higher management, including the honourable Chancellor, honourable Vice Chancellor, honourable Chief Operating Officer, honourable Registrar, honourable Deputy Registrar, and all esteemed members of the governing body. With their guidance and encouragement, we remain steadfast in our mission to uphold academic excellence and foster a culture of scientific inquiry and innovation within the School of Life Sciences.