



**SWAMI VIVEKANANDA UNIVERSITY,  
BARRACKPORE**

**SCHOOL OF  
LIFE SCIENCES**

**DEPARTMENT  
OF  
MICROBIOLOGY**

**MARCH- APRIL  
NEWSLETTER  
2024**



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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.



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# PROGRESS REPORT

## FEBRUARY - 2024

### **Spotlighting Inclusivity: Swami Vivekananda University Honors World Down Syndrome Day**

The School of Life Sciences at Swami Vivekananda University in Barrackpore recently observed World Down Syndrome Day with a meaningful event dedicated to inclusivity and awareness. The event welcomed Dr. Sujoy Ghosh, an esteemed Associate Professor from the Department of Zoology at the University of Calcutta, as the guest speaker.

Set against a backdrop of enthusiasm and empathy, the event provided a platform to illuminate Down syndrome, fostering understanding and compassion within the university community. Dr. Ghosh, renowned for his expertise, delivered a compelling speech, enriching the audience with profound insights.

Attendees engaged in a thought-provoking discussion exploring various aspects of Down syndrome, including its biological foundations, societal perceptions, and pathways to support and inclusion. Through engaging anecdotes and scholarly analysis, Dr. Ghosh emphasized the significance of embracing diversity and cultivating an inclusive society where individuals with Down syndrome are respected and empowered.

The event resonated deeply with Swami Vivekananda University's ethos, dedicated to holistic development and nurturing a culture of empathy and understanding. It served as a poignant reminder of the transformative power of knowledge, empathy, and community in advancing acceptance and inclusion.



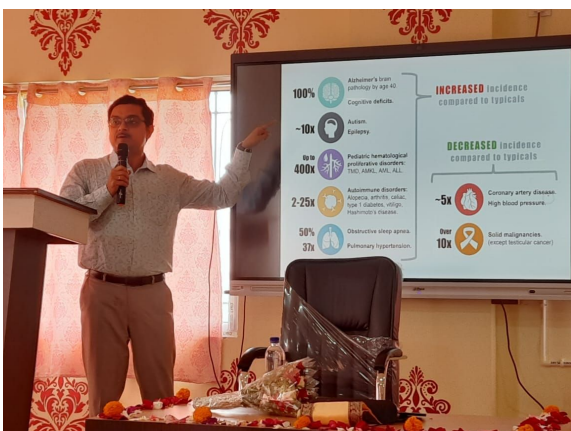


SWAMI VIVEKANANDA UNIVERSITY,  
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# PROGRESS REPORT

MARCH - 2024

## Spotlighting Inclusivity: Swami Vivekananda University Honors World Down Syndrome Day





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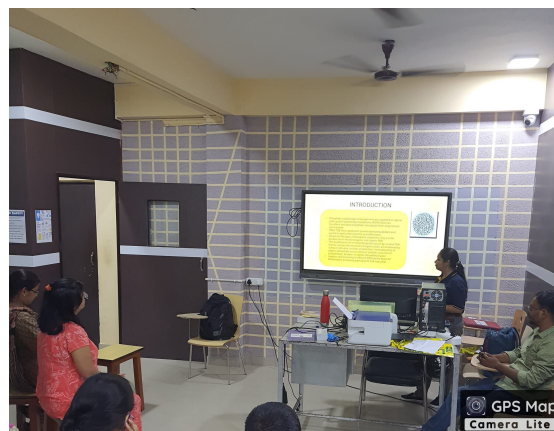
# PROGRESS REPORT

APRIL - 2024

## **Academic Enrichment and Inspiration: Journal Club Sessions and Expert Lectures at the School of Life Sciences, Swami Vivekananda University**

The Journal Club sessions, facilitated by the Departments of Biotechnology and Microbiology within the School of Life Sciences for PG Semester-II students, persist as invaluable arenas for academic and skill enhancement. Throughout these sessions, students immerse themselves in contemporary scientific literature, elucidating their interpretations and insights to peers. These gatherings not only cultivate a strong research appetite among participants but also refine their capabilities in public speaking and critical analysis. Guided by Dr. Aritri Laha, Assistant Professor and Convenor of the Journal Clubs for both Biotechnology and Microbiology departments, students benefit from ongoing mentorship and support.

Additionally, Dr. Debjit De, an adept Assistant Professor in the Department of Biotechnology, recently delivered a captivating lecture, unveiling his visionary research endeavors to students. With his dynamic presentation approach and profound understanding, Dr. De profoundly impacted attendees, motivating them to strive for excellence in their academic and research endeavors.





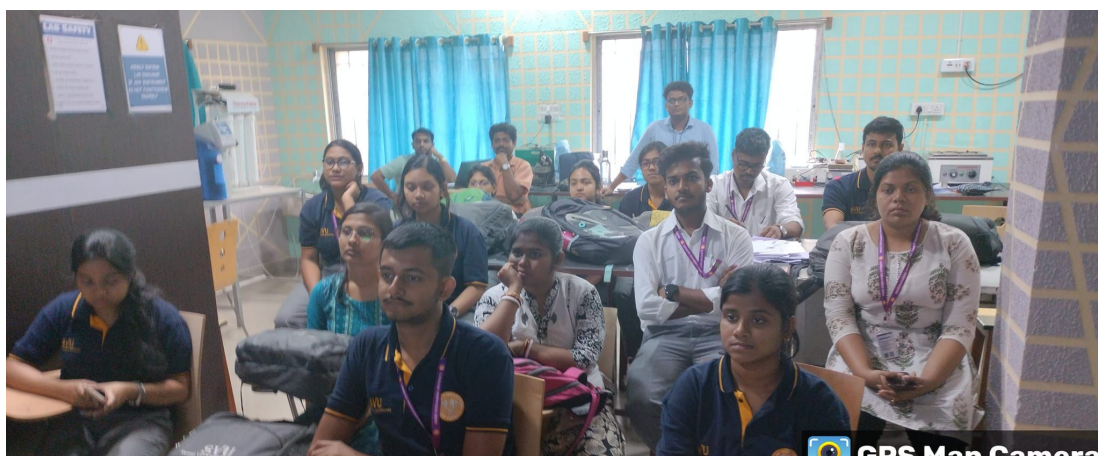


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# PROGRESS REPORT

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## Academic Enrichment and Inspiration: Journal Club Sessions and Expert Lectures at the School of Life Sciences, Swami Vivekananda University





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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



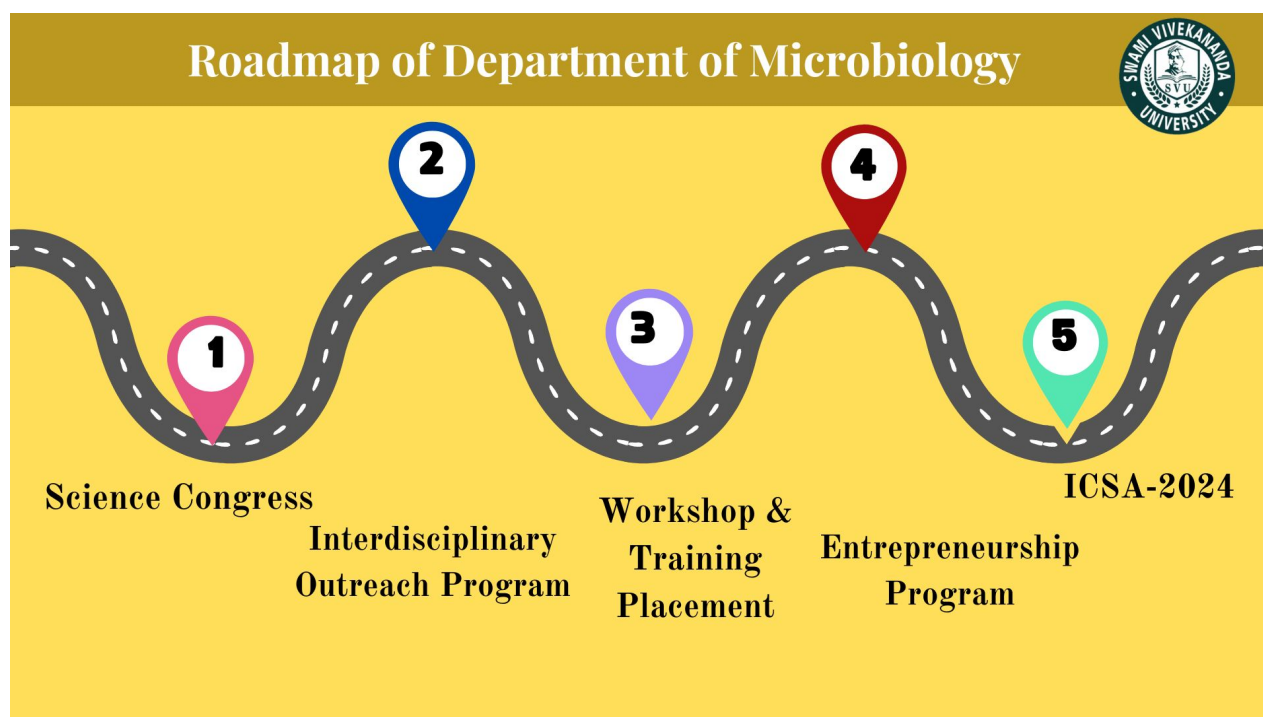
The United Nations annually observes the International Day for Biological Diversity (IDB) on May 22nd, aiming to elevate awareness surrounding biodiversity issues and the threats posed by human activities. It also seeks to underscore the significance of biodiversity as a global asset for future generations. 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

During the months of March and April, the Department of Microbiology has been steadfastly committed to fostering an environment of academic excellence and student development within the esteemed School of Life Sciences. Among the array of events organized during this period, one particularly notable occasion was the observance of World Down Syndrome Day. This event featured the distinguished presence of Dr. Sujoy Ghosh, an esteemed associate professor from the Department of Zoology at the University of Calcutta. Dr. Ghosh, renowned for his extensive expertise in the field of Down syndrome, delivered an enlightening presentation that not only deepened our understanding of the condition but also shed light on its intricate scientific and genetic underpinnings. His contribution to raising awareness and fostering compassion among the audience was truly invaluable. Our academic journey continued with the convening of Journal Club sessions. Serving as a pivotal platform for holistic student development, the Journal Club places a special emphasis on nurturing the scientific aptitude of participants. Under the guidance of dedicated faculty members, including the esteemed Dr. Aritri Laha, students are encouraged to cultivate their intellectual curiosity and hone their analytical skills in the pursuit of scientific knowledge.



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## Editorial - From HoD's Desk



### **Dr. Pritha Pal**

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

As we enter the month of May, we eagerly anticipate the celebration of Biological Diversity Day, an event that promises to further enhance the comprehensive development of our students. This occasion is designed to imbue students with a practical understanding of how their acquired scientific knowledge can be applied in real-life scenarios, thereby equipping them for their future professional pursuits. Our faculty members remain dedicated to continuous improvement in teaching and learning methodologies, the promotion of innovation and research, effective mentoring of students, and the refinement of progress evaluation processes. These collaborative endeavors exemplify our unwavering commitment to fostering a vibrant and supportive learning environment. Our ultimate objective is to empower students to excel academically, prepare them for career opportunities, and inspire them to make impactful contributions to their respective fields of study.

We extend our heartfelt appreciation to the university's esteemed senior leadership, including the Chancellor, Vice Chancellor, Chief Operating Officer, Registrar, Deputy Registrar, and all esteemed members of the governing body, for their steadfast support. With their invaluable guidance, we remain steadfast in our dedication to upholding the highest standards of academic excellence and nurturing a culture of scientific inquiry and innovation within the School of Life Sciences.