

Message from the Head

This newsletter highlights DPBP's vibrant activities, including innovative learning displays, creative laboratory art, academic publications, conference achievements, student awards, AMR Awareness Week, educational visits, aesthetic enhancements, and our first-ever departmental get-together—reflecting our collective commitment to excellence in education, research, creativity, and One Health-oriented veterinary science.

Prof. Dr. Amir Hossan Shaikat

Display Box on Drug Forms and Packaging Set Up at CVASU Pharmacology Lab



A new display box featuring various forms and packaging of drugs has been installed in front of the Pharmacology Laboratory at the Department of Physiology, Biochemistry and Pharmacology (DPBP), Chattogram Veterinary and Animal Sciences University (CVASU). The initiative, led by Prof. Dr. Amir Hossan Shaikat,

Head of DPBP, aims to serve as a unique learning resource for students, researchers, and visitors. The display showcases a wide range of pharmaceutical products, providing a practical understanding of drug formulations, packaging styles, and labeling standards used in veterinary and human medicine. Prof. Dr. Shaikat stated that the display will enhance the teaching-learning environment by helping students visually connect theoretical pharmacology lessons with real-world drug forms. “Our goal is to bridge the gap between classroom knowledge and practical application, giving students an accessible way to understand how medicines are presented in the market,” he added. Faculty members believe that this initiative will not only benefit undergraduate and postgraduate students of CVASU but also create awareness among visitors about the diversity of pharmaceutical preparations. The DPBP continues to introduce innovative approaches to strengthen academic resources and foster a hands-on learning culture in veterinary education.

DPBP in 17th International Scientific Conference at CVASU

The Department of Physiology, Biochemistry & Pharmacology, CVASU, proudly participated in the 17th International Scientific Conference (ISC) 2025, held on 26–28 October 2025 at the CVASU campus.

Themed “Transdisciplinary Integration of Terrestrial and Aquatic Ecosystems for Advancing Health, Food Security, and Nutrition,” this year's conference brought together national and international scientists to share innovations and insights aligned with the global One Health vision.

The department demonstrated an exceptional research presence with 3 oral and 7 poster presentations, reflecting its dynamic engagement in frontier areas of physiology, biochemistry, and translational research.

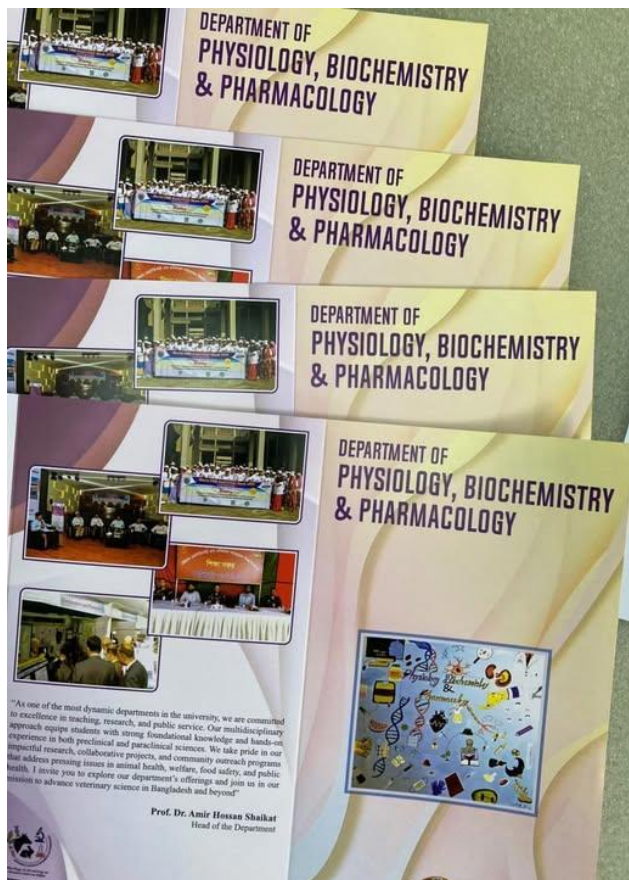
The department extends heartfelt congratulations to Dr. M. A. Rahman-Rahim, MS student in Physiology, for winning the Best Poster Award at ISC 2025 for his outstanding research on stress physiology in broiler chickens. His remarkable work was also recognized recently as a Top Finalist in the 3MT Competition of WVPA-BB 2025, showcasing excellence in scientific communication and innovation.

helices and neurons to mitochondria, microscopes, and chemical structures, every element tells a story of life at the cellular and systemic levels.

The artwork was created by Nuzhat Tabassum Tofa and Humayra Urme, two talented MS students whose creativity transformed a simple wall into an inspiring educational space. Their contribution not only enhances the laboratory's aesthetic appeal but also serves as a visual learning aid — helping students connect complex theoretical ideas with real-world biological processes.

By merging art and science, this mural motivates students to appreciate the beauty of biomedical disciplines and reminds everyone entering the lab that discovery begins with curiosity and creativity.

Publication of Departmental Leaflet Highlighting Academic and Research Activities



The Department of Physiology, Biochemistry and Pharmacology (DPBP) of Chattogram Veterinary and Animal Sciences University (CVASU) is pleased to announce the publication of a comprehensive departmental leaflet that encapsulates its academic programs, faculty expertise, research endeavors, and community engagement.

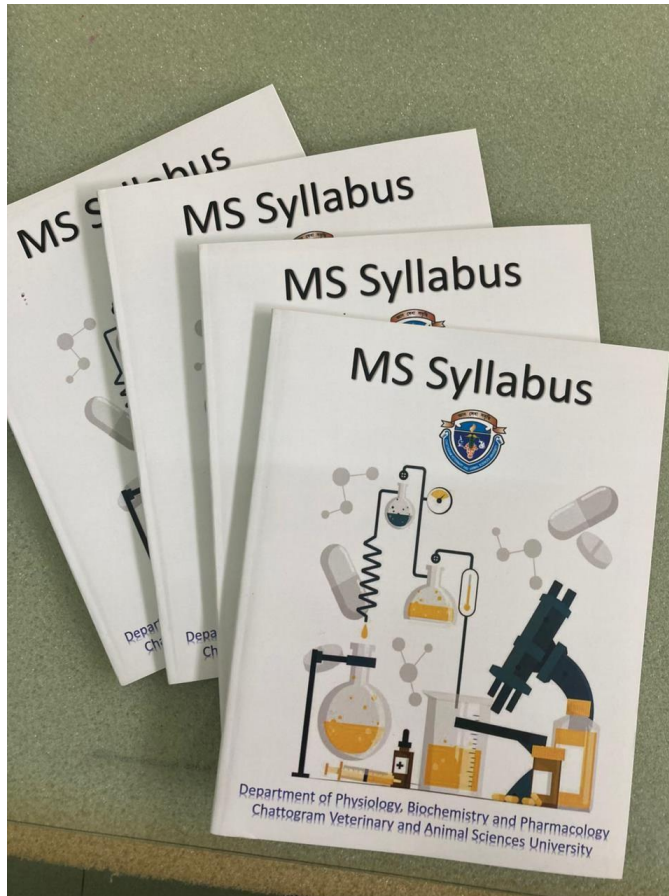
The leaflet presents an overview of the department's mission and vision, emphasizing its commitment to advancing knowledge in veterinary and biomedical sciences through quality education, innovative research, and dedicated public service. It also highlights the faculty members' profiles, detailing their research interests and scholarly contributions in diverse areas such as veterinary endocrinology, molecular biochemistry, pharmacology, stress physiology, animal welfare, ethnobotanical drugs etc.

In addition, the publication provides information on the courses offered under the undergraduate and postgraduate programs, reflecting the department's integral role in training competent and research-oriented veterinarians and scientists.

The DPBP continues to uphold its mission of excellence in education, research, and service to the

community. The leaflet serves as a concise representation of the department's ongoing efforts to foster scientific advancement and collaborative engagement within and beyond CVASU.

Copies of the leaflet are available at the DPBP office for interested students, faculty, and visitors.



Publication of MS Syllabus Booklet for the Department of Physiology, Biochemistry and Pharmacology

The Department of Physiology, Biochemistry and Pharmacology (DPBP) at Chattogram Veterinary and Animal Sciences University (CVASU) is pleased to announce the publication of the MS Syllabus Booklet for the postgraduate program in Physiology, Biochemistry and Pharmacology.

This booklet compiles the comprehensive course outlines of all MS courses offered by the department, providing a structured overview of the curriculum designed to strengthen students' theoretical knowledge and practical competencies in advanced veterinary and biomedical sciences.

The newly published syllabus booklet has been formally distributed to the newly admitted MS students of DPBP to guide them in their academic planning and research preparation. It reflects the department's continuous commitment to ensuring academic transparency,

curriculum modernization, and outcome-based education.

Through this publication, DPBP reaffirms its dedication to nurturing skilled researchers and professionals capable of contributing meaningfully to the fields of physiology, biochemistry, pharmacology, and translational veterinary science.

The MS Syllabus Booklet is available at the DPBP office for reference and use by students and faculty members.

Aesthetic Enhancement of the DPBP Corridor: Blending Science, Morality, and Nature

The Department of Physiology, Biochemistry and Pharmacology (DPBP) at Chattogram Veterinary and Animal Sciences University (CVASU) has recently enhanced the scenic beauty of its corridor, located on the 2nd floor between the Yousuf Chowdhury Building and Academic Building I. This thoughtfully designed space now reflects a unique harmony of scientific learning, ethical inspiration, and natural serenity.

The corridor features illustrative indicator works displaying the blood collection sites of various animals, serving as an educational guide for students and visitors. These visual aids not only enrich the learning environment but also make complex anatomical information more accessible and engaging.

Complementing these scientific displays are portraits bearing moral and inspiring quotations, aimed at nurturing ethical consciousness, motivation, and respect for animal life among students and faculty. The addition of green plants and natural decorations further enhances the ambiance, creating a refreshing environment that encourages mindfulness, curiosity, and intellectual reflection.

This initiative underscores DPBP's commitment to creating a holistic academic atmosphere—one that inspires both the mind and spirit, fosters respect for science and nature, and reflects the department's values of knowledge, ethics, and sustainability.



Visit of Habiganj Agricultural University at CVASU

On 5th November 2025, we had the pleasure of welcoming 31 enthusiastic students from the 1st Year, 2nd Semester of Habiganj Agricultural University (HAU) to the Department of Physiology, Biochemistry and Pharmacology (DPBP), CVASU. During their visit, the students explored our laboratories and gained firsthand exposure to the academic environment, ongoing research endeavors, and community-focused public service activities that define our department. The interaction allowed them to observe the workflow of experimental setups, understand our research culture, and engage in meaningful academic conversations with faculty members and postgraduate researchers.

Following the laboratory visit, the Honorable Head of DPBP warmly greeted the accompanying teachers from HAU, reflecting a spirit of academic camaraderie and institutional collaboration. The exchange emphasized the shared mission of nurturing future scientists, veterinarians, and academicians dedicated to the advancement of animal and agricultural sciences.

Such visits not only strengthen inter-university engagement but also inspire young learners to envision broader horizons in research and professional development.

We sincerely appreciate the visit and wish the students continued curiosity and success in their academic journey.



World AMR Awareness Week 2025 observed

On 18th November 2025, Department of Physiology, Biochemistry and Pharmacology of CVASU celebrated World AMR Awareness Week 2025 with a flamboyant rally, heartfelt commitment filled pledge board signing, engaging talks by foreign and local speakers, panel discussion by veterans of various sectors, speeches by reverend guests and--as usual, as the tradition of this out-of-the-box thinking department--commemoration of the triumphing students at various competitions.

The program was started with the rally, followed by the signing of the AMR pledge board as a mark of volition of prudent and justified use of antimicrobials for future generations.

The keynotes were presented by Dr Pondpan Suwanthada, Regional AMR Project Officer of World Organization for Animal Health (WOAH), and Dr. Md. Habibur Rahman, WOAH National AMR MPTF Consultant for Bangladesh. The keynotes were engaging and were full of brain-churning facts for the future endeavor against AMR. Dr. Md Ridoan Pasha, Assistant Professor of DPBP, showcased insights into the journey of the DPBP against AMR and AR, and prudent AMU through academia, research, and extension activities.

The panel discussion was full of scientific rigor and thought-provoking ideas and information; kudos to the multi-sectoral panel --from human health (CMC) to animal health (DLS), from academia (CU & IIUC) to industry (Incepta)-- and good commandeering by the moderator Prof. Dr. Md. Shohel Al Faruk. In the concluding session, guests from USTC, Eon Animal Health, FVM, Dir.EA of CVASU gave valuable advice and insights.

The program was graced by the presence of the honorable chief guest, Dr. Mohammad Lutfur Rahman, VC, CVASU. He also handed over the trophies to the students who championed in the Quiz, Poster, Cartoon, Extempore Speech, and Video competitions.

This half-day long program was concluded by the vote of thanks by the head of the department, Dr. Amir Hossan Shaikat.

The department would like to thank all the participants, all the presence and especially to our organizing partners Incepta Animal Health and Eon Animal Health.









Visit of FVM 101 students at Military Farm, Chattogram Cantonment

The first-year students of the Faculty of Veterinary Medicine (FVM), Chattogram Veterinary and Animal Sciences University (CVASU), completed an educational field visit today to the Military Dairy Farm as part of their practical learning curriculum.

The visit was organized and facilitated by the Department of Physiology, Biochemistry & Pharmacology (DPBP), CVASU, aiming to enhance students' hands-on understanding of dairy farm operations, animal management, and modern production systems.

During the visit, students had the opportunity to observe various aspects of dairy farm practices, including animal nutrition, housing, milking procedures, health management, and overall farm biosecurity measures. The experience provided valuable real-world exposure complementing their academic foundation in veterinary science.

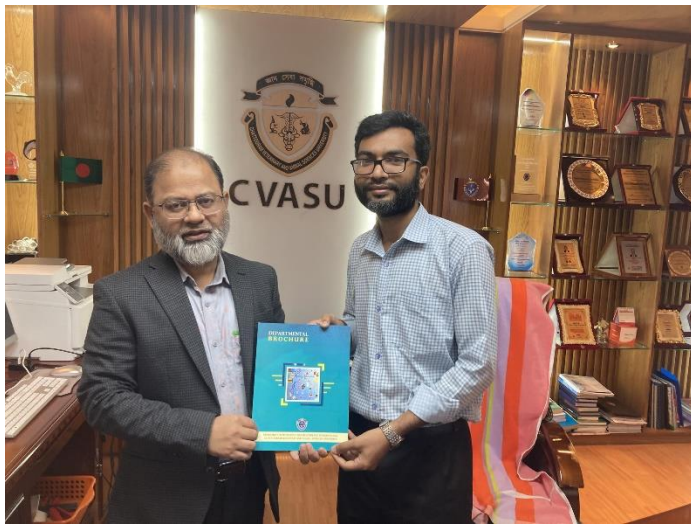
CVASU remains committed to ensuring practical, skill-based education that prepares students for professional excellence in the veterinary and livestock sectors.



DPBP Get Together 2025 Held at Cox's Bazar: A Historic First for the Department

The Department of Physiology, Biochemistry and Pharmacology (DPBP) of Chattogram Veterinary and Animal Sciences University (CVASU) successfully organized the “DPBP Get Together 2025” on 25–26 December 2025 at the Coastal Biodiversity, Marine Fisheries and Wildlife Research Centre, Cox's Bazar. The two-day event marked a historic milestone, as it was the very first departmental get-together of its kind since the establishment of the department.

The program was organized under the visionary leadership of the Head of the Department, Prof. Dr. Amir Hossan Shaikat, whose initiative brought together faculty members, alumni, MS fellows, students, and their families in a vibrant atmosphere of academic bonding, recreation, and departmental pride.



The event commenced early on 25 December with participants departing from the CVASU campus and arriving at the Cox's Bazar venue by afternoon.

The second day began with an introductory session and short discussion, chaired by Prof. Dr. Amir Hossan Shaikat, where he highlighted the department's achievements, future vision, and the importance of such gatherings in fostering a positive academic culture. Another significant highlight was the

unwrapping of the departmental brochure, symbolizing the academic identity, achievements, and future aspirations of the Department of Physiology, Biochemistry and Pharmacology. The brochure unveiling added a formal and commemorative dimension to the event, marking a new chapter in departmental documentation and outreach.

A tree plantation program followed, reflecting the department's commitment to environmental sustainability and social responsibility. This was followed by a series of games for male participants, female participants, and children, creating a joyful and inclusive environment for all age groups.

One of the most exciting segments of the program was the friendly football match, which captivated participants and spectators alike. In an energetic and sportsmanlike contest, Team White emerged victorious against Team Blue. The winning Team White was led by Prof. Dr. Mohammad Rashedul Alam, whose leadership and enthusiasm were widely appreciated.

The event concluded with a lively BBQ night, raffle draw, prize-giving ceremony, and concluding remarks.

The closing session was conducted by faculty members and students, with Prof. Dr. Amir Hossan Shaikat delivering the concluding address, where he thanked all organizers, participants, and supporters for making the inaugural DPBP Get Together a resounding success.



