

Department of Zoology
Community service and Activities

Department:	Zoology
1. Activity Title:	Visit of Marine Fisheries Department
Date	11 Nov 2025
Brief description of activity	Final-year BS Zoology students visited the Marine Fisheries Department and seafood processing units—Orbex, Arsala, and Seagreen—to learn about the practical application of HACCP in seafood safety. They observed operations like cleaning, grading, freezing, and packing under strict hygiene and temperature control, and saw quality control tests ensuring compliance with export standards. Interactions with industry experts provided insights into monitoring, documentation, sanitation, traceability, and career opportunities, connecting theoretical knowledge with real-world practices.
Number of students	40
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Marine Fisheries Department
Duration of activity (days, week, regular)	1 day
Impact of activity	The industrial visit gave students practical exposure to HACCP and seafood processing, linking theoretical knowledge with real-world applications. It enhanced their understanding of food safety, quality control, and regulatory standards. Interactions with industry experts broadened career perspectives and inspired interest in fisheries, aquaculture, and food safety management.
Attach Pictures	





Department:	Zoology
2. Activity Title:	UNODC Delegation Visit
Date	25 October 2025
Brief description of activity	On 25th October 2025, the UNODC delegation visited Jinnah University for Women to evaluate student projects in Agritech and Taxidermy. Students showcased innovative work, including a Biofloc sustainable aquaculture project and a detailed Taxidermy display, demonstrating practical applications and scientific techniques. The delegation engaged with students, providing feedback and encouragement, while JUBIC supported project commercialization, mentorship, and networking opportunities. The visit highlighted the university's commitment to research, sustainability, and skill development.
Number of students	30 Students
Class/Batch of students	2 Projects (10 Students)
Place where activity was conducted	Jinnah University for Women
Duration of activity (days, week, regular)	1 day

Impact of activity	The UNODC visit encouraged students to innovate and apply scientific knowledge in Agritech and Taxidermy. It provided valuable feedback, mentorship, and networking opportunities, boosting research confidence and practical skills. The activity also promoted entrepreneurship and highlighted the importance of sustainability and skill development in scientific projects.
Attach Pictures	

Department:	Zoology
3. Activity Title:	Plantation and Waste Cleaning Activity in Honour of 14th August Celebration
Date	6th August 2025
Brief description of activity	To celebrate Pakistan's 78th Independence Day, final-year Zoology students at Jinnah University for Women organized an environmental awareness activity in collaboration with Darakht Foundation on 6th August 2025. The event included a plantation drive, where students planted local saplings, and a waste cleaning campaign, promoting eco-conscious behavior, waste segregation, and civic responsibility. Guidance from Darakht Foundation enriched the experience, while 30 students and five faculty members actively participated. The activity successfully combined environmental conservation with community engagement, emphasizing the importance of sustainable practices and a cleaner, greener Pakistan.
Number of students	30 Students
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Hill Park, Karachi

Duration of activity (days, week, regular)	1 day
Impact of activity	The activity fostered environmental awareness and a sense of responsibility among students. It provided hands-on experience in tree plantation and waste management, promoting sustainable habits. Collaboration with Darakht Foundation inspired students to adopt eco-friendly practices, contributing to a cleaner and greener community.
Attach Pictures	





Department:	Zoology
4. Activity Title:	Plantation Activity (Roots of Kindness)
Date	1 st March 2025
Brief description of activity	On March 1st, 2025, the Department of Zoology at Jinnah University for Women organized a plantation activity titled “Roots of Kindness” in collaboration with the Darakht Welfare Foundation under the supervision of Mr. Sheroz Siraj. The event aimed to promote environmental awareness, community service, and spiritual growth ahead of Ramadan. Final-year students actively participated by bringing and displaying aquatic plants to decorate the wall, symbolizing care for nature. Mr. Sheroz Siraj and his team shared insightful knowledge about the importance of planting and preserving trees. The activity concluded with the distribution of plants and certificates to participants as a gesture of appreciation.
Number of students	40
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Jinnah University for women
Duration of activity (days, week, regular)	1 day
Impact of activity	The “Roots of Kindness” activity had a positive impact by promoting environmental awareness, teamwork, and community spirit among students. It enhanced knowledge about plant care and the importance of greenery. The event also inspired spiritual

	reflection and responsibility toward nature. Overall, it encouraged sustainable habits and environmental stewardship.
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5. Activity Title: DALFA Cattle Show 2025" at Expo Center.	
Date	January 17th, 2025
Brief description of activity	On January 17th, 2025, the Department of Zoology organized a visit to the Expo Center for the “DALFA Cattle Show 2025” with BS II to BS IV students and faculty members. The event, hosted by the Dairy, Agriculture, & Livestock Farmers Association, showcased the significance of livestock, fish, and birds in supporting economic, environmental, and nutritional sustainability. Students observed various breeds, interacted with breeders and veterinarians, and learned about modern livestock management and health practices. The visit provided valuable insights into animal welfare, hygiene, and the crucial role of livestock in enhancing agriculture and national development.
Number of students	40
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Expo Center
Duration of activity (days, week, regular)	1 day
Impact of activity	The event promoted Pakistan’s livestock sector by showcasing high-quality breeds, modern farming technologies, and best practices for farmers. It strengthened linkages between breeders, investors, and government agencies, creating opportunities for business, training, and export. The show supported rural livelihoods by improving access to knowledge and resources, ultimately contributing to economic growth and livestock development in Sindh and Pakistan.

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6. Activity Title: Seminar: Public Health & Hygiene HACCP In Entomology	
Date	14-March-2024
Brief description of activity	A specialized session led by Dr. S. M. Naushad Zafar focused on Public Health, Hygiene, and HACCP for entomology students and professionals. The session explained HACCP principles, emphasizing how insects can act as hazards in food safety through contamination and disease transmission. Experts discussed practical applications of HACCP in managing insect-related risks, including monitoring, sanitation, pest control, and integrated pest management (IPM) practices. Participants learned strategies
Number of students	30
Class/Batch of students	BS IV
Place where activity was conducted	B-11 (Jinnah University for Women)
Duration of activity (days, week, regular)	1 Day
Impact of activity	The session improved participants' understanding of insect-related risks in food safety and public health. It strengthened their skills in applying HACCP, sanitation practices, and integrated pest management. The activity encouraged collaboration between entomologists and food safety professionals. Overall, it helped enhance awareness and capacity for maintaining safe, hygienic food environments.

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7. Activity Title:	Workshop in Pakistan Agriculture Research Center
Date	16-May-2024
Brief description of activity	Final-year Zoology students visited the Pakistan Agriculture Research Center (PARC) for a seminar on pest management. They were briefed on sustainable farming, integrated pest management (IPM), biological control agents, and the importance of collaboration between zoologists and agricultural scientists. Students learned about major crop pests, eco-friendly control strategies, and ongoing research projects, gaining practical exposure to scientific advancements in pest control. The visit concluded with a tour of research facilities, helping students connect classroom knowledge with real-world applications.
Number of students	40
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Pakistan Agriculture Research Center
Duration of activity (days, week, regular)	1 day
Impact of activity	The visit strengthened students' practical understanding of pest management and exposed them to real-world agricultural

	research. It enhanced their knowledge of sustainable pest control methods, including IPM and biological control. The experience encouraged interdisciplinary thinking by highlighting the collaboration between zoology and agricultural sciences. Overall, the event inspired students to apply scientific concepts to environmental and crop protection challenges.
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8. Activity Title: Food Expo Center	
Date	16-May-2024
Brief description of activity	Zoology students attended a Food Expo where they learned about the connection between agriculture, food production, and environmental science. Guided by Prof. Dr. Naushad, they explored sustainable farming technologies, the role of beneficial insects, and integrated pest management (IPM). The visit highlighted the importance of insect biodiversity, ecosystem health, and innovative methods to improve food security. Overall, the trip deepened their understanding of how entomology supports sustainable agriculture and global food systems.
Number of students	40
Class/Batch of students	BS-IV / 2022
Place where activity was conducted	Expo Center
Duration of activity (days, week, regular)	1 day
Impact of activity	The visit enhanced students' understanding of sustainable agriculture and the vital role of entomology in food production. It strengthened their knowledge of IPM, beneficial insects, and modern farming technologies demonstrated at the Expo. The experience connected theoretical learning with real-world applications, inspiring students to consider innovative, eco-friendly solutions for future food systems. Overall, the trip

	broadened their perspective on the link between biodiversity, ecosystem health, and food security.
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9. Activity Title: Richmond Crawford Veterinary Hospital	
Date	30-September, 2024
Brief description of activity	Zoology students visited Richmond Crawford Veterinary Hospital under the supervision of Dr. Nasreen Khan, where they observed modern veterinary practices and treatments for domestic and exotic animals. Guided by Dr. Ali, they learned about diagnostic techniques, surgical procedures, emergency care, and the role of veterinarians in preventing zoonotic diseases. The visit highlighted the importance of animal behavior, ethics, and public health within veterinary medicine. Overall, the experience provided practical exposure and inspired students to explore careers in animal health and veterinary sciences.
Number of students	40
Class/Batch of students	BS IV (2021)
Place where activity was conducted	Richmond Crawford Veterinary Hospital
Duration of activity (days, week, regular)	1 Day
Impact of activity	The visit enhanced students' practical understanding of veterinary medicine, animal care, and public health. It exposed them to advanced diagnostic and treatment techniques, emphasizing the prevention of zoonotic diseases. The experience reinforced the importance of animal welfare, ethics, and research in veterinary science. Overall, it inspired students to pursue careers in animal health and broadened their perspective on veterinary practices.

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10. Activity Title: Legend International Processing Plant	
Date	02-Oct-2024
Brief description of activity	Zoology students visited the Legend International Fish Processing Plant, gaining firsthand experience of the fish processing cycle, from capture to packaging, while observing modern technology and strict food safety standards. The visit highlighted sustainable practices, ethical sourcing, and aquaculture's role in global food security. Students learned about fisheries' contribution to nutrition, livelihoods, and environmental management, including water quality, disease control, and genetic research. Overall, the trip provided insights into the importance of fisheries and aquaculture in feeding the growing global population sustainably.
Number of students	40
Class/Batch of students	BS IV (2022)
Place where activity was conducted	Legend International Processing Plant
Duration of activity (days, week, regular)	1 Day
Impact of activity	The visit enhanced students' understanding of modern fish processing, aquaculture, and sustainable seafood practices. It highlighted the importance of fisheries in global food security, nutrition, and livelihoods. The experience exposed students to environmental management, ethical sourcing, and technological advancements in the industry. Overall, it inspired awareness of sustainable practices and the critical role of aquaculture in feeding future populations.

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11. Activity Title: Forensic Entomology in a Marital Murder Mystery (Workshop)	
Date	30-Oct, 2024
Brief description of activity	Final-year Zoology students participated in a forensic entomology workshop using a marital murder mystery scenario. They learned how insect activity, such as blowflies and beetles, helps estimate time of death and provides crucial evidence in criminal investigations. Experts demonstrated evidence collection, preservation, and laboratory analysis, while discussing practical applications and limitations of the field. The workshop highlighted the role of entomology in forensics and emphasized the importance of interdisciplinary skills in solving real-world crimes.
Number of students	40
Class/Batch of students	BS IV (2022)
Place where activity was conducted	Jinnah University for Women
Duration of activity (days, week, regular)	1 Day
Impact of activity	The workshop enhanced students' practical understanding of forensic entomology and its role in criminal investigations. It equipped them with skills in insect evidence collection, analysis, and interpretation. The activity highlighted the interdisciplinary nature of entomology in solving real-world problems and inspired students to consider careers in forensic science. Overall, it strengthened their appreciation for the application of zoological knowledge in legal and investigative contexts.

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12. entomology awareness session	
Date	12-Nov, 2024
Brief description of activity	Final-year Zoology students attended an entomology awareness session led by experts, covering insect anatomy, behavior, ecology, and their ecological and economic significance. The session highlighted the role of insects in pollination, decomposition, pest control, and integrated pest management (IPM) in agriculture. Students learned about insect biotechnology, sustainable protein sources, and their applications in medicine and environmental science. Overall, the session deepened students' understanding of insects' importance and inspired interest in careers and research in entomology.
Number of students	40
Class/Batch of students	BS IV (2022)
Place where activity was conducted	Jinnah University for Women
Duration of activity (days, week, regular)	1 Day
Impact of activity	The session enhanced students' understanding of insect biology and its applications in agriculture, biotechnology, and environmental science. It highlighted the ecological and economic importance of insects and the role of entomologists in addressing global challenges. The workshop encouraged interdisciplinary thinking and inspired students to pursue research or careers in entomology and related fields.

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13. Activity Title: Pakistan International Maritime Expo and Conference	
Date	10th Feb to 12th Feb
Brief description of activity	Jinnah University for Women participated in the Pakistan International Maritime Expo and Conference (PIMEC 2023) held at Karachi Expo Center from 10–12 February. The university showcased its research and initiatives in marine science, including desalination water instruments, alginate extraction, and Avicenninone-based hair treatment products. The stall highlighted departmental and stakeholder activities in aquaculture, coastal development, and sustainable use of marine resources. The event attracted both public and private sector visitors, including universities, fisheries departments, aquaculture associations, the Pakistan Navy, and corporate enterprises, as well as VIPs such as Bilawal Bhutto Zardari and the Sindh Chief Minister. The visit facilitated networking, knowledge exchange, and public awareness about the university's contributions to marine science.
Number of students	Project Presentation by Dr. Rana Hadi & Ms. Hina Moin
Class/Batch of students	PhD Student
Place where activity was conducted	Expo Center
Duration of activity (days, week, regular)	2 Days
Impact of activity	The participation at PIMEC 2023 enhanced Jinnah University for Women's visibility in the marine science and aquaculture sectors. It facilitated networking with government agencies, universities, and private enterprises, creating opportunities for collaborations and knowledge exchange. The expo highlighted the university's research initiatives and promoted awareness of sustainable

	marine resource management. Overall, it laid the groundwork for developing a dedicated Marine Science Department and advancing the university's role in marine research and coastal development.
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