

Participation in Conferences and Seminars

1. *Chaitanya Kumar*: Hands-on Training on Nanobiotechnology (HoT Nano) – NPTEL Lab Certification, IIT Madras (conducted by Prof. P. Gopinath, IIT Roorkee), June 2025
2. *Archit Pundir*: Hands-on Training on Nanobiotechnology (HoT Nano) – NPTEL Lab Certification, IIT Madras (conducted by Prof. P. Gopinath, IIT Roorkee), June 2025
3. *Vageesha Singh*: Hands-on Training on Nanobiotechnology (HoT Nano) – NPTEL Lab Certification, IIT Madras (conducted by Prof. P. Gopinath, IIT Roorkee), June 2025
4. *Arpan Sharma*: Magnetic nanocomposites and metal oxide adsorbents: Next generation solutions for Per-and Polyfluoroalkyl substances contaminations (**Second Position** in oral presentation in CHASCON 2025)
5. *Ayushi Sandhu*: Oral presentation on the topic “Understanding complexity of immune pathway activation under conditions mimicking viral induced asthma exacerbation in mice” in CHASCON 2025 at Panjab University, Chandigarh) and was awarded **second prize**.
6. *Shivang Kapoor*: Won **2nd prize** in the poster presentation at CHASCON 2025 on topic: Integrative Transcriptomic Analysis Reveals Shared Molecular Signatures between Diabetic Kidney Disease and Diabetic Peripheral Neuropathy
7. *Simarpreet Kaur*: Won **3rd prize** for oral presentation at CHASCON2025 on title: Finger millets: A natural remedy for osteoporosis
8. *Prachi Pranamya*: Presentation at CHASCON 2025 entitled as: Exploring the dual action of Bisbenzylisoquinoline Alkaloids and Daruharidra in lung health: Antimicrobial efficacy and anti-inflammatory modulation in Acute Lung Injury
9. *Abhishek Saini*: Presentation at CHASCON 2025 entitled as: Exploring the dual action of Bisbenzylisoquinoline Alkaloids and Daruharidra in lung health: Antimicrobial efficacy and anti-inflammatory modulation in Acute Lung Injury
10. *Komal Kaur*: Poster Presentation on “Investigating the effect of *Naringin* on the adipogenic differentiation of murine mesenchymal stem cells (C3H10T1/2)” at Chandigarh science Congress (CHASCON 2025), 6th – 8th November, 2025 at Panjab University Chandigarh.
11. *Chaitanya Kumar*: Meta-analysis of toxicological impacts of micro/nano plastic on zebrafish poster presentation in International Conference on Role of Biotechnology in Biological Sciences: Striving for Sustainable Future (RBBS-2025) organized by department of Zoology, Miranda House on 6th-8th February, 2025

12. *Nimisha Chaudhary*: Directed evolution approach to access infectivity of SARS-CoV-2 mutants and the utility of nanobodies (**Second Position** in oral presentation in CHASCON 2024)
13. *Geetanjali Negi*: Synthesis of copper sulfide nanoparticles using corn starch, their characterization and antimicrobial analysis poster presentation in CHASCON 2024 at Panjab University, Chandigarh
14. *Mansi Guleriya*: Green synthesis of the silver nanoparticles using aqueous leaf extract of *Kalanchoe pinnata* poster presentation in CHASCON 2024 at Panjab University, Chandigarh
15. *Vageesha Singh*: Toxicity evaluation of carbon quantum dots using zebra fish model poster presentation in CHASCON 2024 at Panjab University, Chandigarh
16. *Devanshi*: Sono-photocatalysis for the degradation of antibiotics in wastewater (Oral presentation in International Conference on Catalysis for Clean Energy Technologies and Sustainable Development, 5th–6th April 2024 at Panjab University, Chandigarh)
17. *Anirudh Sharma*: Environmental remediation of CO₂ using photocatalysis (Oral presentation in International Conference on Catalysis for Clean Energy Technologies and Sustainable Development, 5th–6th April 2024 at Panjab University, Chandigarh)
18. *Nidhi Verma*: To investigate the role of environmental factors in the pathogenesis of asthma exacerbations using a mouse model (Oral presentation in CHASCON 2024 at Panjab University, Chandigarh)
19. *Vandita Tiwari*: Poster presentation on the topic “Anthocyanin-rich biofortified black wheat mitigates inflammatory responses and improves metabolic parameters in HFD/STZ-induced T2DM model-at IWC wheat congress 2024, Perth, Western Australia
20. *Rohit Bansal*: Pulmonary consequences of oxidative stress and mitochondrial dysfunction in a T2DM murine model (**First Position** in oral presentation in CHASCON 2024)
21. *Chaitanya Kumar*: Ecotoxicological effects of micro/nano plastics released from packaging materials (thermacol) on *Danio rerio*. (Poster presentation in Recent trends in Biomolecules and Therapeutics 2023 at Panjab University, Chandigarh)
22. *Sankalp Saurabh*: Zebrafish as a model for studying neurodegenerative diseases. (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh. (**First Prize**))
23. *Saganpal Kour*: Response Surface Methodology based Optimization and Production of Agarase. (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
24. *Novdeep Kaur*: Response Surface Methodology based Optimization and Production of Agarase. (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)

25. *Monika Sharma*: Evaluating neurological effects of florescent carbon dots using zebra fish model. (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
26. *Bhawani Singh*: Identification of Novel Biomarkers and their Mechanistic Pathways through Bioinformatics Approach for Acute Kidney Injury Disease (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
27. *Chaitanya Kumar*: Meta- analysis of toxicological impact of micro/nanoplastics on zebra fish. (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
28. *Devanshi*: Sonophotocatalysis for degradation of antibiotics in wastewater (Poster presentation in International Conference on Catalysis for Clean Energy technologies and Sustainable Development, at Panjab University, Chandigarh)
29. *Anirudh Sharma*: Environmental remediation of CO₂ using Photocatalysis (Poster presentation in International Conference on Catalysis for Clean Energy technologies and Sustainable Development, 5th-6th April at Panjab University, Chandigarh)
30. *Jitender Chandel*: Single exposure of PM_{2.5} induces lung inflammatory response characteristic of COPD: a murine model-based study (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh **(Second Prize)**)
31. *Ayushi Sandhu*: Ineffectiveness of dexamethasone on Poly (I:C) mediated asthma exacerbation in mice (Poster presentation at National Conference IMMUNOCON-2023, The Golden Jubilee Conference of the Indian Immunology Society held at AIIMS, New Delhi, India. **(Best Poster Award)**)
32. *Parwati Pant*: Bioinformatics Approach To Analyse The Chronic Kidney Disease Targeted Genes (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh)
33. *Rashi Jain*: Identifying the Biomolecular Signatures for Diabetic Nephropathy and Membranous Nephropathy: A Comparative Bioinformatics Analysis (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh)
34. *Varinder Madhav Verma*: TransXplorer: Bioinformatics-based tool for navigating RNA-seq Insights with ease (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh)
35. *Shiwani*: Exploring Molecular Biomarkers for Prognosis in Papillary Renal cell Carcinoma: A Bioinformatics Approach (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh)
36. *Prerna Goel*: Unraveling the molecular pathways and therapeutic targets in ADPKD associated CKD (Oral presentation in CHASCON 2023 at Panjab University, Chandigarh)
37. *Sanghvi*: Invasive role of cancer stem cells in head and neck cancer (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)

38. *Malhaar Sidhu*: Stem cell based novel cancer therapies filling gaps in transitioning phase of oncology (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
39. *Devlina*: Cancer progress from Preinvasive to invasive stage, immune cells evolution and detection (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
40. *Yashreet*: Stem cells as regenerative medicine in neural disorders (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)
41. *Urvashi Dangi*: Application of Selenium nanoparticles (Poster presentation in CHASCON 2023 at Panjab University, Chandigarh)