

Brief Profile: Dr. Pooja Srivastava

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PROFESSIONAL SUMMARY

Dr. Pooja Srivastava is a condensed-matter physicist and computational material scientist with over 15 years of research and 9 years of teaching experience. She specializes in first-principles electronic structure methods, including ab-initio molecular dynamics and Metadynamics simulations. Her work focuses on nanomaterials--- metal clusters and two-dimensional materials (Graphene, MXenes, Phosphorene), catalysis for CO₂ reduction and hydrogen evolution, quantum materials, and metal–semiconductor interfaces. She earned her Ph.D. in Physics from the Department of Physics at IIT Kanpur (2009) and has held prestigious positions, including Postdoctoral Fellow at Harish-Chandra Research Institute, Visiting Scientist at the Korea Institute of Science and Technology, and Research Associate at IISc Bangalore. Dr. Srivastava has published more than 25 research papers in international journals of repute, including high-impact journals such as ACS Nano and ACS Applied Materials & Interfaces. She has successfully led projects funded by SERB and UP-CST. She is an active mentor, guiding postgraduate research and delivering invited talks on advanced material design and computational methods. Her teaching excellence and research contributions have been consistently recognised at Amity University, where she has been awarded for outstanding research publications for three consecutive years.