**Dr. Arpita Sharma**, a leading expert in stress tolerance in crops, holds a Ph.D. in Biotechnology. Her research, supported by esteemed organisations, focuses on molecular mechanisms that help plants withstand environmental challenges. Over eight years, Dr. Sharma has excelled as an assistant professor, research coordinator and researcher at prestigious institutions. A prolific writer with over 25 publications, she actively presents research at conferences and serves as a mentor to Ph.D. scholars. Her dedication has been recognised through prestigious awards like the Young Scientist Award (ITM University & Niti Aayog), Excellence in research award (Green agri professional society), Global Excellence Award (2023) and Young Women Scientist award in year 2024 (University of Kota, Rajasthan).