

Dr. Homnath Luitel, PhD, is a physicist and researcher specializing in condensed matter physics, magnetism, spintronics, defects in solids, and functional materials. He earned his PhD from Homi Bhabha National Institute, Mumbai, with research conducted at VECC, Kolkata, under Prof. Dirtha Sanyal, FRSC, and subsequently worked as a Post-Doctoral Research Fellow at Wits University, South Africa. His research expertise includes Density Functional Theory (DFT), positron annihilation spectroscopy, ion-beam irradiation, low-temperature measurements, and advanced materials characterization. He has published several articles in reputed international journals, with research interests spanning diamond-based materials, spintronics, quantum computing, and Himalayan geophysics. Dr. Luitel has received several research recognitions, including the Best Research Contribution Award at HBNI's RSM and the Best Research Award at Bharatiya Vigyan Sammelan 2023. He has served as a reviewer for journals published by Taylor & Francis, Elsevier, and AIP, and has contributed as an invited speaker, resource person, and jury member in scientific programmes. He is a Life Member of IPS, PANE, and SPAN.

