



Biography

Dr Saleh Hasan Naqib, born in 1970, is currently serving as a professor at Department of Physics, University of Rajshahi. He is leading the theoretical condensed matter research group at the department. In terms scientific productivity in recent years, this group ranks at the top in Bangladesh. This group has been consistently producing high-quality publications in the fields of computational condensed matter physics and superconductivity in hole doped cuprates. In these two areas Dr Naqib has been able to establish himself as one of the top researchers in the country. His research on these topics has been cited widely all over the world. In fact, he is one of the most widely cited physicists in Bangladesh working on condensed matter physics. Dr Naqib obtained his PhD from Cavendish Laboratory, University of Cambridge, UK in 2003. He had postdoctoral research experience both at the Quantum Matter Group, Cavendish Laboratory, University of Cambridge, UK and at the MacDiarmid Institute for Advanced Materials and Nanotechnology, New Zealand. Dr. Naqib conducted research as an invited scholar several times during the period from 2006 to 2010 at the Quantum Matter Group, Cavendish Laboratory, University of Cambridge. His research interests include superconductivity in high-Tc cuprates, magnetic and transport properties of strongly correlated electronic systems, density functional theory (DFT) calculations on MAX phase nanolaminates, theoretical aspects of superhard materials, novel low-Tc superconducting systems and study of optoelectronic properties topological insulators, semimetals and superconductors. Under his leadership, over a dozen of researchers are working at various universities and research institutions in Bangladesh. In recent years, Dr. Naqib has established fruitful collaborations with physicists working in the UK, Australia, Japan, New Zealand, Algeria, Turkey, Pakistan, and KSA, He is also considered as an expert on the pedagogy of physics education and teaching at university level. Dr. Naqib has published over 140 papers in SCOPUS indexed top journals of international repute so far. His papers have been cited over 3000 times till date. His works on the origin and evolution of the pseudogap in hole doped cuprates have been cited extensively. Dr. Naqib has longstanding research collaboration with the Quantum Matter group, Cavendish Laboratory, University of Cambridge, UK and the MacDiarmid Institute for Advanced Materials and Nanotechnology, New Zealand. He was a regular associate of the Abdus Salam International Centre for Theoretical Physics (AS ICTP), Italy, during the period 2010 – 2015. He is a fellow of the Bangladesh Academy of Sciences and Bangladesh Physical Society. Recently he has been elected as a member of the TWAS (The World Academy of Sciences). He is only the fourth physicist from Bangladesh to obtain this coveted membership. Dr. Naqib is a member of Bangladesh Physical Society, Institute of Physics, UK, American Physical Society, and Cambridge Philosophical Society. In recognition of his research excellence, Dr. Naqib received the TWAS award as a young scientist in 2008 and recently he has been selected for the Bangladesh Academy of Sciences (BAS) gold medal in the senior scientist category. This is the highest award of the BAS. He is one of the very few in the country who has been selected for both the TWAS and the BAS research awards. Dr. Saleh Hasan Naqib is also the first person to receive the departmental S N Nahar award for research/teaching excellence in physics for the four consecutive years, 2014, 2015, 2016, and 2017, since its inception. Besides, Dr. Naqib's research publications won the University Grants Commission (UGC) award in 1997 and Razzaq-Shamshun Physics Research award in 2006. Dr. Naqib also received the Deans Award for research excellence in 2018. Dr. Naqib has delivered numerous plenary and keynote speeches on cuprate superconductivity, strongly correlated electronic systems and computational condensed matter physics at different conferences all over the globe. He is also acting as the member of the editorial board of a number of national and international scientific journals. Dr. Naqib is one of the foremost experts in science education and research pedagogy in Bangladesh. He has extensive experience in curriculum development. He was the head of the departmental Self-Assessment Committee and acted as a subject expert to assess the functionalities of the leading universities in the country.