

Muhammad Irfan obtained his PhD degree in the research group of Prof. Oliver Kappe at the University of Graz, Austria, on projects related to homogeneous and heterogeneous catalysis under microwave and continuous-flow chemistry. During his postdoctoral tenure with Prof. Floris Rutjes and Dr. Martin C. Feiters at Radboud University Nijmegen - The Netherlands, his research project was concerned with increasing the low sensitivity of NMR through the use of rationally designed nanocatalysts via para-Hydrogen Induced Polarization (PHIP) technique.

Currently he is working on projects concerned with photocatalytic air and water purification under ambient conditions. He is particularly interested in designing novel photocatalytic NO_x oxidation and storage systems including synthesis of hierarchical photocatalytic microsphere architectures.