

**Dr. Mattia Bartoli** received his PhD from University of Florence as part of the Industrial chemistry group, a multidisciplinary team focused on innovative investigation methods and technological solutions for sustainable waste management and biofuel production. Immediately after the Ph.D. graduation, he moved to Biorefinery research Group hosted by University of Alberta where he contributed to develop new materials for catalytic applications and new technologies. During this period, he also worked as head of R&D for **ForgeHydrocarbon** a spin-off company of University of Alberta solving several issues of the innovative lipid-to hydrocarbon technology for renewable hydrocarbon production. Thanks to his contribution, ForgeHydrocarbon was able to move from pilot to commercial stage. In 2018, he joined to Carbon Group hosted by Polytechnic University of Turin where he has studied both production and use of carbon from thermochemical conversion of wastestreams for material science. Since 2021, Dr. Bartoli is working on materials and technologies development at the Center for Sustainable Future Technologies - CSFT@POLITO for CO<sub>2</sub> capture and storage and hydrogen production and storage. Dr. Bartoli was nominated as fellow of prestigious scientific societies including Sigma Xi, The scientific research honor society, IUPAC and Institute of Physics. He is enlisted in the World's Top 2% Scientists.