

Roberto Fiorenza

Currently, tenure track researcher (RTD-B) in industrial chemistry at the Department of Chemical Sciences of the University of Catania. Since the PhD, the research focus was on the synthesis and characterization of semiconductor photocatalysts for environmental and energy applications (purification of air, water, production and purification of hydrogen), whereas recently his research deals with hybrid catalytic approach as the photothermo-catalysis applied to the CO₂ valorization . In September 2022 he received the “Robert Karl Grasselli 2022” award from the catalysis group of the Italian chemical society for the research in the heterogeneous catalysis in gas-phase, and the same group reward him in June 2019 for the best doctoral thesis on the theme “catalysis for a sustainable development” (prize Adolfo Parmaliana 2019). The PhD thesis was also awarded by the Gioenia Academy of Catania in the October 2018 (best doctoral thesis of 2018 in the field of chemical sciences), while in 2017 he received the “Young student award” at the international EMRS conference (European Materials Research Society) Spring Meeting 2017 in Strasbourg in the “Photocatalytic materials for energy and environment” session. He carried out part of his research work at the CNR-IMM of Catania (ESF SENTI project), at the University of Palermo with the research group of prof. Leonardo Palmisano, at the University of Namur (Belgium) with the research group of prof. Bao-Lian Su and at the Plataforma Solar de Almeria (Spain) with the research group of prof. Sixto Malato. From August 2019 to August 2022 he was temporary researcher (RTD-A) in industrial chemistry at the Department of Chemical Sciences of the University of Catania. Together with prof. S. Scirè leads the research work of the laboratory of industrial and environmental catalysis (cia@labunict) of the University of Catania.

In February 2022 he achieved the Italian National Scientific qualification as associate professor in Industrial and applied chemistry and in November 2023 the qualification as full professor.