

Alessio is a researcher for the Italian National Research Council at the Institute of Science and Technology for Ceramic. During his studies in the field of Environmental Science he focused his research activity on the extraction of chemicals from protein-rich biomasses, and on the effects of climate change on corals population in the Mediterranean Sea. Since the last 6 years, he has been investigating the applications of calcium phosphate materials to regenerative and nano-medicine. In 2018, he was awarded by the Italian Ministry of Agricultural, Food and Forestry Policies for the project “RECOVER” on the transformation of fishery by-products into valuable biomedical products. Recently, he was awarded by the Elsevier Foundation for his project “phos-FATE: empowering fishing communities for climate change” during the 3rd Green and Sustainable Chemistry Conference. The project aims to develop a circular economy of phosphorous fertilizers by converting fish wastes from artisanal fishing communities through a green and simple process, so to generate incomes that they can use to cope with the fish shortage determined by climate change.