

BIOGRAPHY

VILKO MANDIĆ



Following the completion of his Ph.D. in bulk ceramic materials in 2012, Vilko Mandić transitioned his research focus to functional nanomaterials in more intricate configurations through several international postdoctoral positions. Since 2022, he has held the position of associate professor at the University of Zagreb's Faculty of Chemical Engineering and Technology.

Within the scope of various active EU and national projects, Vilko Mandić led 4 postdoctoral researchers and 4 doctoral students. The collaborative endeavours of the group are focused on the developing novel nanostructured systems intended for applications in the realms of nanomaterials for energy conversion and storage, sensing and environmental nanomaterials, and nanomaterials for space technologies.

The research and development endeavours are founded on sophisticated chemical and physical deposition techniques, alongside specialized tools for structural, morphological, electrical, and spectroscopic characterization of thin films and other advanced materials.

Vilko Mandić has overseen approximately 15 international and national projects, with a cumulative value exceeding 2 million Euros. He has authored over 100 original research papers, the majority of which are indexed in Q1 journals. Additionally, he has contributed to several patents and innovations, as well as conducted more than 75 professional studies and expertise evaluations. Notably, he has been honoured with a prestigious national science award.