



Prof. Konstantinos Triantafyllidis

Saudi Aramco Chair in Catalysis & Petrochemicals

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<https://pure.kfupm.edu.sa/en/persons/konstantinos-triantafyllidis/>

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Dr. Konstantinos Triantafyllidis is Chair Professor (Saudi Aramco Chair in Catalysis & Petrochemicals) at the Department of Chemistry of King Fahd University of Petroleum and Minerals (KFUPM). He also serves as Senior Research Scholar at the Interdisciplinary Research Center for Refining and Advanced Chemicals (IRC-RAC, KFUPM).

Dr. Triantafyllidis has been Full Professor at the Department of Chemistry, Aristotle University of Thessaloniki (AUTH) and Collaborating Faculty Member at the Chemical Process & Energy Research Institute (CPERI/CERTH) in Greece. He also served as the founder and Head of the “ENVIGREEN” Research Unit, in the Centre for Interdisciplinary Research and Innovation (CIRI) at AUTH. His research activities focus on Green chemistry and technology, Heterogeneous catalysis, Porous and metal/oxides nanomaterials, Conventional and bio/waste-refining to fuels, chemicals and polymers, and (Bio)based polymer nanocomposites.

Dr. Triantafyllidis has long experience in downstream crude oil and waste refining catalytic processes towards fuels, chemicals and materials. His research spans from the development of novel catalytic materials to the design and optimization of lab-to-medium scale processes. Primary focus is given on biomass and plastic waste, as well as CO₂ valorization and co-processing approaches towards sustainable development via advanced chemical processing. He has over 180 publications, 12,000 citations, H-index: 64 (google scholar), more than 300 conference presentations. He has participated as PI or Main Researcher in more than 45 European Union, national and industrial research projects. Also, he has served as National representative in European Federation of Catalysis Societies (EFCATS), the EuChemS/Division of Green and Sustainable Chemistry and the IUPAC-Interdivisional Committee on Green Chemistry. He is also Editor-in-Chief of the Elsevier journal (Sustainable Chemistry for the Environment, Open access).

Prof. Triantafyllidis earned his B.Sc. in Chemistry (1990) from the University of Ioannina (UOI) in Greece, followed by postgraduate training at SHELL/KSLA, Amsterdam (1991), and PhD degree (2000) also from UOI in Greece. He then served as post-doctoral researcher (2000-2002) at Michigan State University, USA.