

Curriculum Vitae



Post-doctoral researcher Georgios BAMPOS

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<https://scholar.google.gr/citations?user=U4MjbdgAAAAJ&hl=el>

Dr. Georgios Bampos graduated from the Department of Chemical Engineering, University of Patras (ChemEngUP), Greece in 2013. He holds a PhD (2020) and a MSc (2015) from the ChemEngUP and he currently serves as post-doctoral researcher in the Laboratory of Heterogeneous Catalysis. He has taught *Thermodynamics* and *Heat Transfer* undergraduate courses in the Department of Electrochemical Engineering, University of Western Macedonia (ElectrochemEngUWM). He has taught the courses *Organic Chemistry* and *English - Technical Terms for Chemical Engineers* in the Liaoning University of Technology, Jinzhou City, Liaoning Province, The People's Republic of China. He has served as teaching assistant in *Organic Chemistry Laboratory*, *Analytical Chemistry Laboratory* and *Chemical Processes II* undergraduate courses in ChemEngUP, advised a diploma thesis in ElectrochemEngUWM and co-advised more than 30 diploma theses in ChemEngUP.

His expertise covers the scientific fields of Catalysis and Electrochemistry with a specialty in the development and characterization of catalytic systems for hydrocarbon reforming processes for H₂ production, of electrocatalytic materials for low temperature fuel cells and microbial fuel cells as well as in the development of catalysts for catalytic Advanced Oxidation Processes. His technical skills include gas chromatography, mass spectroscopy, rotating disk electrode technique, X-ray diffraction technique and wet impregnation, precipitation and *in situ* combustion synthesis methods.

He is the principal investigator of the “PERFORMANCE” project in the frame of the 3rd proclamation for post-doctoral researchers of the HFRI and participated as a MSc student, PhD student or post-doc researcher in 7 other funded research projects.

He has authored/co-authored 32 papers in international peer-reviewed journals (citation index: 488, h-index: 12, Google Scholar/17-2-2025). He has more than 60 presentations at international and national conferences, workshops and summer schools.

He was awarded the ISE Travel Award 2023 for his participation in the 74th annual ISE meeting and the “2021 Outstanding reviewer award” by *Catalysts Journal*. He is a member of topical advisory panel in Industrial Catalysis section of *Catalysts Journal* (ISSN 2073-4344) since 2023 and a reviewer in 32 international peer-review scientific journals. He is Guest Editor of 9 Special Issues in *Processes Journal* (ISSN 2227-9717), *Catalysts Journal* and *Frontiers in Chemical Engineering Journal* (ISSN 2673-2718) with more than 80 published papers.

He is a member of the International Society of Electrochemistry since 2018 and a member of the Technical Chamber of Greece since 2013.

Selected publications (for complete list use the above link to Google Scholar)

1. “Propane steam reforming over catalysts derived from noble metal (Ru, Rh)-substituted LaNiO₃ and La_{0.8}Sr_{0.2}NiO₃ perovskite precursors”, T. Ramantani, G. Bampos, A. Vavatsikos, G. Vatskalis, D.I. Kondarides, *Nanomaterials* 11 (2021) 1931.
2. “Comparison of the activity of Pd–M (M: Ag, Co, Cu, Fe, Ni, Zn) bimetallic electrocatalysts for oxygen reduction reaction”, G. Bampos, S. Bebelis, D.I. Kondarides, X. Verykios, *Topics in Catalysis* 60 (2017) 1260-1273.
3. “Steam reforming of butanol-ethanol mixture for H₂ production over Ru catalysts”, G. Bampos, S. Karaiskos, T. Ramantani, S. Tsatsos, G. Kyriakou, *Applied Catalysis A: General*, 664 (2023) 119347.4.
4. “Oxygen reduction reaction on La_{0.8}Sr_{0.2}Co_xFe_{1-x}O_{3-δ} perovskite/carbon black electrocatalysts in alkaline medium”, A. Safakas, G. Bampos, S. Bebelis, *Applied Catalysis B: Environmental* 244 (2019) 225-232.
5. Oxygen reduction reaction activity of Pd-based bimetallic electrocatalysts in alkaline medium”, G. Bampos, L. Sygellou, S. Bebelis, *Catalysis Today* 355 (2020) 685-697.
6. “Reactive adsorption of CO from low CO concentrations streams on the surface of Pd/CeO₂ catalysts”, G. Bampos, P. Bika, P. Panagiotopoulou, X. Verykios, *Applied Catalysis A: General* 588 (2019) 117305.

7. “Effect of support on the reactive adsorption of CO from low CO concentrations streams on the surface of Pd based catalysts”, G. Bampos, T. Ramantani, P. Panagiotopoulou, X. Verykios, *Industrial & Engineering Chemistry Research* 60 (2021) 18722 –18738.