Curriculum Vitae

Georgios BAMPOS

Title: Collaborative Teaching Staff (Lecturer) / Intermediate in Chinese system

Affiliation: Department of Chemical Engineering, University of Patras, 1 Caratheodory Str., University Campus, 26504, Greece

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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 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 20 diploma theses in ChemEngUP. He has totally over 10 years' experience in teaching and research.

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 H_2 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 26 papers in international peer-reviewed journals (citation index: 326, h-index: 10, Google Scholar/19-2-2024). He has more than 60 presentations in 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, a member of topical advisory panel in "Environmental and Green Processes" of *Processes* Journal (ISSN 2227-9717) since 2024 and a reviewer in 26 international peer-review scientific journals. He is Guest Editor of 5 Special Issues in *Processes* Journal, *Catalysts* Journal and *Frontiers in Chemical Engineering* Journal (ISSN 2673-2718). 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. "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.
2. "Steam reforming of butanol-ethanol mixture for H_2 production over Ru catalysts", G. Bampos, S. Karaiskos, T. Ramantani, S. Tsatsos, G. Kyriakou, *Applied Catalysis A: General*, 664 (2023) 119347.
3. "Oxygen reduction reaction on $La_{0.8}Sr_{0.2}Co_xFe_{1-x}O_{3-\delta}$ perovskite/carbon black electrocatalysts in alkaline medium", A. Safakas, G. Bampos, S. Bebelis, *Applied Catalysis B: Environmental* 244 (2019) 225-232.
4. "Oxygen reduction reaction activity of Pd-based bimetallic electrocatalysts in alkaline medium", G. Bampos, L. Sygellou, S. Bebelis, *Catalysis Today* 355 (2020) 685-697.
5. "Reactive adsorption of CO from low CO concentrations streams on the surface of Pd/CeO_2 catalysts", G. Bampos, P. Bika, P. Panagiotopoulou, X. Verykios, *Applied Catalysis A: General* 588 (2019) 117305.
6. "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.
7. "Propane steam reforming over catalysts derived from noble metal (Ru, Rh)-substituted $LaNiO_3$ and $La_{0.8}Sr_{0.2}NiO_3$ perovskite precursors", T. Ramantani, G. Bampos, A. Vavatsikos, G. Vatskalis, D.I. Kondarides, *Nanomaterials* 11 (2021) 1931.