

1 PI CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	DELIGIANNAKIS
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CURRENT POSITION	
2014-today	Full Professor Department of Physics, University of Ioannina, Greece
PREVIOUS POSITION(S)	
2011 -2014	Visiting Professor Department Mechanical Engineering, ETH Zurich, Switzerland
2006 -2011	Full Professor Department of Environmental Engineering , University of Patras, Greece
2000 -2006	Associate Professor Department of Environmental Engineering , University of Patras, Greece

EDUCATION	
1994-2000	Post-Doctoral fellow Commissariat Energie Atomique, Section de Bioenergetique CEA Saclay Paris France
1988-1994	Ph.D. Institute of Materials Science, National Centre for Scientific Research DEMOCRITOS Athens, Greece,
1983-1986	Diploma in Physics. Department of Physics University of Ioannina, Ioannina, Greece.

PUBLICATIONS (>5000 citations, h=39)

2022	
J.188	Y. Deligiannakis , A. Mantzanis, A. Zindrou, S. Smykala, M. Solakidou <i>Control of monomeric Vo's versus Vo clusters in ZrO_{2-x} for solar-light H₂ production from H₂O at high-yield (millimoles gr⁻¹ h⁻¹)</i> Scientific Reports , 2022, 12(1), 15132. doi: https://doi.org/10.1038/s41598-022-19382-3
J.187	A. Zindrou, A. Mantzanis, Y. Deligiannakis <i>Industrial Scale Engineering of Photocatalytic Nanomaterials by Flame Spray Pyrolysis</i> Solid State Phenomena 2022, 336, 95. doi: https://doi.org/10.4028/p-va48p3
J.186	Theofanous A., Sarli I., Fragou F., Bletsa E., Deligiannakis Y. , Louloudi M. <i>Antioxidant Hydrogen-Atom-Transfer to DPPH Radicals by Hybrids of {Hyaluronic-Acid Components}@SiO₂</i> Langmuir , 2022. doi: https://doi.org/10.1021/acs.langmuir.2c02021
J.185	Stathi, P., Belles, L., Deligiannakis, Y. <i>Multipotent Atomic Palladium Species Pd¹⁺, Pd²⁺-O₂⁻, and Pd³⁺ Formed at the Interface of Pd/TiO₂Nanoparticles: Electron Paramagnetic Resonance Study</i> Journal of Physical Chemistry C , 2022, 126(33), pp. 14125–14137. doi: https://doi.org/10.1021/acs.jpcc.2c02687
J.184	Gemenetzi, A., Moularas, C., Belles, L., Deligiannakis, Y. , Louloudi, M. <i>Reversible Plasmonic Switch in a Molecular Oxidation Catalysis Process</i> ACS Catalysis , 2022, 12(16), pp. 9908–9921. doi: https://doi.org/10.1021/acscatal.2c02287
J.183	Stathi, P., Fotou, E., Moussis, V., ...Louloudi, M., Deligiannakis, Y. <i>Control of Tyrosyl Radical Stabilization by {SiO₂@Oligopeptide} Hybrid Biomimetic Materials</i> Langmuir , 2022, 38(32), pp. 9799–9809. doi: https://doi.org/10.1021/acs.langmuir.2c00710
J.182	Fragou, F., Stathi, P., Deligiannakis, Y. , Louloudi, M. <i>Safe-by-Design Flame Spray Pyrolysis of SiO₂ Nanostructures for Minimizing Acute Toxicity</i> ACS Applied Nano Materials , 2022, 5(6), pp. 8184–8195. doi: https://doi.org/10.1021/acsnm.2c01273
J.181	Diamantis, S.A., Pournara, A.D., Koutsouroubi, E.D., Deligiannakis Y. , Manos, M.J., Lazarides, T. <i>Detection and Sorption of Heavy Metal Ions in Aqueous Media by a Fluorescent Zr(IV) Metal-Organic Framework Functionalized with 2-Picolylamine Receptor Groups</i> Inorganic Chemistry , 2022. doi: https://doi.org/10.1021/acs.inorgchem.2c00434
2021	

J.180	Moularas, C., Psathas, P., Deligiannakis, Y. <i>Electron paramagnetic resonance study of photo-induced hole/electron pairs in NaTaO₃ nanoparticles</i> Chemical Physics Letters , 2021, 782, 139031. doi: https://doi.org/10.1016/j.cplett.2021.139031
J.179	Psathas, P., Solakidou, M., Mantzani, A., Deligiannakis, Y. <i>Flame spray pyrolysis engineering of nanosized mullite-Bi₂Fe₄O₉ and perovskite-BiFeO₃ as highly efficient photocatalysts for O₂ production from H₂O splitting</i> Energies , 2021, 14(17), 5235. doi: https://doi.org/10.3390/en14175235
J.178	Efthimiou, I., Kalamaras, G., Papavasileiou, K., Anastasi-Papathanasi, N., Georgiou, Y., Dailianis, S., ... , Deligiannakis Y. , Vlastos, D. <i>ZnO, Ag and ZnO-Ag nanoparticles exhibit differential modes of toxic and oxidative action in hemocytes of mussel Mytilus galloprovincialis.</i> Science of The Total Environment , 2021, 767, 144699. doi: https://doi.org/10.1016/j.scitotenv.2020.144699
J.177	Belles, L., Moularas, C., Smykala, S., & Deligiannakis, Y. <i>Flame Spray Pyrolysis Co₃O₄/CoO as Highly-Efficient Nanocatalyst for Oxygen Reduction Reaction.</i> Nanomaterials , 2021, 11(4), 925. doi: 10.3390/nano11040925
J.176	Solakidou, M., Georgiou, Y., & Deligiannakis, Y. <i>Double-Nozzle Flame Spray Pyrolysis as a Potent Technology to Engineer Noble Metal-TiO₂ Nanophotocatalysts for Efficient H₂ Production.</i> Energies , 2021, 14(4), 817. doi: https://doi.org/10.3390/en14040817
J.175	Stathi, P., Solakidou, M., & Deligiannakis, Y. <i>Lattice Defects Engineering in W-, Zr-doped BiVO₄ by Flame Spray Pyrolysis: Enhancing Photocatalytic O₂ Evolution.</i> Nanomaterials , 2021, 11(2), 501. doi: https://doi.org/10.3390/nano11020501
J.174	Gemenetzi, A., Stathi, P., Deligiannakis, Y. , Louloudi, M. <i>Study of the catalytic mechanism of a non-heme Fe catalyst: The role of the spin state of the iron</i> Chemical Physics Letters , 2021, 764, 138282. doi: 10.1016/j.cplett.2020.138282
J.173	Stathi, P., Louloudi, M., & Deligiannakis, Y. <i>EPR monitoring of in-situ catalytic oxidative assembly of MnIII-MnIV dimers via monomeric MnIV = O.</i> Chemical Physics Letters , 2021, 763, 138255. doi: https://doi.org/10.1016/j.cplett.2020.138255
J.172	Theodorakopoulos, M., Solakidou, M., Deligiannakis, Y. , & Louloudi, M. <i>A Use-Store-Reuse (USR) Concept in Catalytic HCOOH Dehydrogenation: Case-Study of a Ru-Based Catalytic System for Long-Term USR under Ambient O₂.</i> Energies , 2021, 14(2), 481. doi: 10.3390/en14020481
2020	
J.171	Tada, S., Otsuka, F., Fujiwara, K., Moularas, C., Deligiannakis, Y. , Kinoshita, Y., ... Kikuchi, R. <i>Development of CO₂-to-Methanol Hydrogenation Catalyst by Focusing on the Coordination Structure of the Cu Species in Spinel-Type Oxide Mg_{1-x}Cu_xAl₂O₄.</i> ACS Catalysis , 2020, 15186–15194. doi: https://doi.org/10.1021/acscatal.0c02868
J.170	Georgiou, Y., Rapti, S., Mavrogiorgou, A., Armatas, G., Manos, M. J., Louloudi, M., & Deligiannakis, Y. <i>A Hybrid {Silk@Zirconium MOF} Material as Highly Efficient AsIII-sponge.</i> Scientific Reports , 2020, 10(1). doi: https://doi.org/10.1038/s41598-020-66091-w
J.169	Diamantis, D. A., Oblukova, M., Chatziathanasiadou, M. V., Gemenetzi, A., Papaemmanouil, C., Gerogianni, P. S., ... , Deligiannakis Y. , Tzakos, A. G. <i>Bioinspired tailoring of fluorogenic thiol responsive antioxidant precursors to protect cells against H₂O₂-induced DNA damage.</i> Free Radical Biology and Medicine , 2020. doi: https://doi.org/10.1016/j.freeradbiomed.2020.08.025
J.168	Deligiannakis, Y. , Tsikourkitoudi, V., Stathi, P., Wegner, K., Papavasiliou, J., & Louloudi, M. <i>PdO/PdO/TiO₂ Nanocatalysts Engineered by Flame Spray Pyrolysis: study of the synergy of PdO/PdO on H₂ Production by for HCOOH Dehydrogenation and the Deactivation Mechanism.</i> Energy & Fuels , 2020. doi: https://doi.org/10.1021/acs.energyfuels.0c02399
J.167	Solakidou, M., Theodorakopoulos, M., Deligiannakis, Y. , & Louloudi, M. <i>Double-ligand Fe, Ru catalysts: A novel route for enhanced H₂ production from Formic Acid.</i> International Journal of Hydrogen Energy 2020. doi: https://doi.org/10.1016/j.ijhydene.2020.04.215
J.166	Fragou, F., Moularas, C., Adamska, K., Deligiannakis, Y. , & Louloudi, M. <i>Mn(II)-Based Catalysts Supported on Nanocarbon-Coated Silica Nanoparticles for Alkene Epoxidation.</i> ACS Applied Nano Materials , 2020, 3(6), 5583–5592. doi: https://doi.org/10.1021/acsnm.0c00849
J.165	Efthimiou, I., Georgiou, Y., Vlastos, D., Dailianis, S., & Deligiannakis, Y. <i>Assessing the cyto-genotoxic potential of model zinc oxide nanoparticles in the presence of humic-acid-like-polycondensate (HALP) and the leonardite HA (LHA).</i> Science of The Total Environment , 2020, 721, 137625. doi: 10.1016/j.scitotenv.2020.137625
J.164	Pierri, L., Gemenetzi, A., Mavrogiorgou, A., Borges Regitano, J., Deligiannakis, Y. , & Louloudi, M. <i>Biochar as supporting material for heterogeneous Mn(II) catalysts: Efficient olefins epoxidation with H₂O₂.</i> Molecular Catalysis , 2020, 489, 110946. doi: https://doi.org/10.1016/j.mcat.2020.110946
J.163	Psathas, P., Georgiou, Y., Moularas, C., Armatas, G. S., & Deligiannakis, Y. <i>Controlled-Phase Synthesis of Bi₂Fe₄O₉ & BiFeO₃ by Flame Spray Pyrolysis and their evaluation as non-noble metal catalysts for efficient reduction of 4-nitrophenol.</i> Powder Technology , 2020. doi: https://doi.org/10.1016/j.powtec.2020.04.059
J.162	Bletsas, E., Solakidou, M., Louloudi, M., & Deligiannakis, Y. <i>Ambient O₂ is a switch between [1-electron/1-radical] vs. [2-electron] oxidative catalytic path in Fe-Phthalocyanines.</i> Chemical Physics Letters , 2020, 743, 137180. doi: https://doi.org/10.1016/j.cplett.2020.137180
J.161	Bletsas, E., Zaccone, C., Miano, T., Terzano, R., & Deligiannakis, Y. <i>Natural Mn-todorokite as an efficient and green azo dye-degradation catalyst.</i> Environmental Science and Pollution Research , 2020. doi: https://doi.org/10.1007/s11356-019-07524-6

J.160	Papagiannis, I., Stathi, P., Deligiannakis, Y. , Keramidis, A., & Lianos, P. <i>Photoelectrocatalytic production of hydrogen peroxide using a photo(catalytic) fuel cell.</i> Journal of Photochemistry and Photobiology A: Chemistry , 2020, 389, 112210. doi: https://doi.org/10.1016/j.jphotochem.2019.112210
J.159	Stathi, P., Solakidou, M., Louloudi, M., & Deligiannakis, Y. <i>From Homogeneous to Heterogenized Molecular Catalysts for H₂ Production by Formic Acid Dehydrogenation: Mechanistic Aspects, Role of Additives, and Co-Catalysts.</i> Energies , 2020, 13(3), 733. doi: https://doi.org/10.3390/en13030733
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J.158	Solakidou, M., Giannakas, A., Georgiou, Y., Boukos, N., Louloudi, M., & Deligiannakis, Y. <i>Efficient photocatalytic water-splitting performance by ternary CdS/Pt-N-TiO₂ and CdS/Pt-N,F-TiO₂: interplay between CdS photo corrosion and TiO₂-doping.</i> Applied Catalysis B: Environmental , 2019. doi: https://doi.org/10.1016/j.apcatb.2019.04.091
J.157	Moullaras, C., Georgiou, Y., Adamska, K., & Deligiannakis, Y. <i>Thermoplasmonic Heat Generation Efficiency by Non-Monodisperse Core-Shell Ag₀@SiO₂ Nanoparticle Ensemble.</i> The Journal of Physical Chemistry C , 2019. doi: https://doi.org/10.1021/acs.jpcc.9b06532
J.156	Papadopoulos, C., Kappis, K., Papavasiliou, J., Vakros, J., Kuśmierz, M., Gac, W., ... Deligiannakis Y. , Avgouropoulos, G. (2019). <i>Copper-promoted ceria catalysts for CO oxidation reaction.</i> Catalysis Today , 2019. doi: https://doi.org/10.1016/j.cattod.2019.06.078
J.155	Naatz, H., Manshian, B. B., Rios Luci, C., Tsikourkitoudi, V., Deligiannakis, Y. , Birkenstock, J., ... Soenen, S. S. (2019). <i>Model-Based Nanoengineered Pharmacokinetics of Iron-Doped Copper Oxide Applicable to Nanomedicine.</i> Angewandte Chemie International Edition , 2019. doi: https://doi.org/10.1002/anie.201912312
J.154	Henning, D. F., Merkl, P., Yun, C., Iovino, F., Xie, L., Mouzourakis, E., ... Deligiannakis Y. , Sotiriou, G. A. <i>Luminescent CeO₂:Eu³⁺ nanocrystals for robust in situ H₂O₂ real-time detection in bacterial cell cultures.</i> Biosensors and Bioelectronics , 2019, 132, 286–293. doi: https://doi.org/10.1016/j.bios.2019.03.012
J.153	Kappis, K., Papadopoulos, C., Papavasiliou, J., Vakros, J., Georgiou, Y., Deligiannakis, Y. , & Avgouropoulos, G. <i>Tuning the Catalytic Properties of Copper-Promoted Nanoceria via a Hydrothermal Method.</i> Catalysts , 2019, 9(2), 138. doi: https://doi.org/10.3390/catal9020138
J.152	Georgiou, Y., Papadas, I. T., Mouzourakis, E., Skliri, E., Armatas, G. S., & Deligiannakis, Y. <i>Mesoporous spinel CoFe₂O₄ as an efficient adsorbent for arsenite removal from water: high efficiency via control of the particle assemblage configuration.</i> Environmental Science: Nano , 2019, 6(4), 1156–1167. doi: https://doi.org/10.1039/C8EN01442F
2018	
J.151	Antoniou, M.G., Boraie, I., Solakidou, M., Deligiannakis, Y. , Lawton, L.A., Edwards, C. <i>Enhancing photocatalytic degradation of the cyanotoxin microcystin-LR with addition of sulfate-radical generating oxidants</i> Journal of Hazardous Materials 2018, 360, pp. 461–470. doi: https://doi.org/10.1016/j.jhazmat.2018.07.111
J.150	Solakidou, M., Deligiannakis, Y. , Louloudi, M. <i>Heterogeneous amino-functionalized particles boost hydrogen production from Formic Acid by a ruthenium complex</i> 2018, International Journal of Hydrogen Energy pp. 21386–21397. doi: https://doi.org/10.1016/j.ijhydene.2018.09.198
J.149	Matthaiou, V., Frontistis, Z., Petala, A., Solakidou, M., Deligiannakis, Y. , Angelopoulos, G. N., & Mantzavinos, D. <i>Utilization of raw red mud as a source of iron activating the persulfate oxidation of paraben.</i> Process Safety and Environmental Protection , 2018, 119, 311–319. doi: https://doi.org/10.1016/j.psep.2018.08.020
J.148	Christoforidis, K. C., Vasiliadou, I. A., Louloudi, M., & Deligiannakis, Y. <i>Gallic acid mediated oxidation of pentachlorophenol by the Fenton reaction under mild oxidative conditions.</i> Journal of Chemical Technology & Biotechnology , 2018, 93(6), 1601–1610. doi: https://doi.org/10.1002/jctb.5529
J.147	Georgiou, Y., Perman, J. A., Bourlinos, A. B., & Deligiannakis, Y. <i>Highly Efficient Arsenite [As(III)] Adsorption by an [MIL-100(Fe)] Metal–Organic Framework: Structural and Mechanistic Insights.</i> The Journal of Physical Chemistry C , 2018, 122(9), 4859–4869. doi: https://doi.org/10.1021/acs.jpcc.7b11247
2017	
J.146	C. Chrisoforidis, I. Georgopoulou, M. Louloudi, Y. Deligiannakis <i>Role of Gallic Acid on Pentachlorophenol Catalytic Degradation by a Fe Fenton System</i> J Chem Techn. Biotechn (2017) in press. doi: https://doi.org/10.1002/jctb.5529
J.145	Y. Deligiannakis <i>Nanomaterials for Environmental solar energy technologies: Applications and Limitations (Review Article)</i> KONA Powder and Particle Journal (in press) doi: https://doi.org/10.14356/kona.2018004
J.144	Giannakas, A.E., Antonopoulou, M., Papavasiliou, J., Deligiannakis, Y* , Konstantinou, I. <i>Photocatalytic performance of Pt-TiO₂, Pt-N-TiO₂ and Pt-N/F-TiO₂ towards simultaneous Cr(VI) reduction/benzoic acid oxidation: Insights into photogenerated charge carrier dynamics and catalyst properties</i> Journal Photochem. and Photobiol. A: Chemistry 349, 2017, 25–35. doi: https://doi.org/10.1016/j.jphotochem.2017.08.066
J.143	Bourlinos, A.B. Georgakilas, V., Mouzourakis, E., Gournis, D., Karakassides, M.A, Deligiannakis, Y. , Urbanova, V., Cepe, K., Bakandritsos, A., Zboril, R. <i>Fullerol–graphene nanobuds: Novel water dispersible and highly conductive nanocarbon for electrochemical sensing</i> Applied Materials Today , 9, (2017),71–76. doi: https://doi.org/10.1016/j.apmt.2017.05.006
J.142	Simaioridou, A., Bletsas, E., Deligiannakis, Y* , Louloudi, M. <i>Functionalized graphene oxides stabilizing Cu⁺¹ ions under ambient O₂</i> Materials and Design 116 (2017), 227–237. doi: https://doi.org/10.1016/j.matdes.2016.12.015
J.141	Petala, E.; Georgiou, Y. ; Kostas, V.; Dimos, K.; Karakassides, M.; Deligiannakis, Y. ; Zboril, R.;

	<i>Magnetic Carbon Nanocages: An Advanced Architecture with Surface- and Morphology-Enhanced Removal Capacity for Arsenites</i> ACS Sustainable Chemistry & Engineering (2017) 5, pp. 5782-579. doi: https://doi.org/10.1021/acssuschemeng.7b00394
J.140	A.B. Bourlinos, A.K. Rathi, M. A. Karakassides, A. Kouloumpis, D. Gournis, Y Deligiannakis , E. P. Giannelis, R. Zboril <i>Fe(III)-functionalized carbon dots—Highly efficient photoluminescence redox catalyst for hydrogenations of olefins and decomposition of hydrogen peroxide</i> Applied Materials Today 7 (2017) 179–184. doi: https://doi.org/10.1016/j.apmt.2017.03.002
J.139	Mouzourakis, E., Georgiou, Y., Louloudi, M., Konstantinou, I., Deligiannakis, Y.* , <i>Recycled-tire pyrolytic carbon made functional: A high-arsenite [As(III)] uptake material PyrC350®</i> 2017 Journal of Hazardous Materials 326, pp. 177-186. doi: https://doi.org/10.1016/j.jhazmat.2016.12.027
J.138	Antonopoulou, M., Karagianni, P., Giannakas, A., Deligiannakis, Y. , Konstantinou, I. <i>Photocatalytic degradation of phenol by char/N-TiO₂ and char/N-F-TiO₂ composite photocatalysts</i> 2017 Catalysis Today 280, pp. 114-121. doi: https://doi.org/10.1016/j.cattod.2016.03.054
J.137	Tsoufis, T., Katsaros, F., Kooi, B.J., Deligiannakis, Y. , Panagiotopoulos, I. <i>Halloysite nanotube-magnetic iron oxide nanoparticle hybrids for the rapid catalytic decomposition of pentachlorophenol</i> 2017 Chemical Engineering Journal 313, pp. 466-474. doi: https://doi.org/10.1016/j.cej.2016.12.056
2016	
J.136	K.C. Christoforidis, L.L. Bonilla, M. Louloudi, Y. Deligiannakis <i>Axial ligand effect on the catalytic activity of biomimetic Fe porphyrin catalyst: An experimental and DFT study</i> JOURNAL OF CATALYSIS (2016) 344, pp. 768-777. doi: https://doi.org/10.1016/j.jcat.2016.08.013
	Kanigaridou, Y., Petala, A., Frontistis, Z., Deligiannakis, Y. , Mantzavinos, D., Kondarides, D.I. <i>Solar photocatalytic degradation of bisphenol A with CuOx/BiVO₄: Insights into the unexpectedly favorable effect of bicarbonates</i> CHEMICAL ENGINEERING JOURNAL 2016, 313, pp. 466-474. doi: https://doi.org/10.1016/j.cej.2016.04.145
J.135	Mavrogiorgou, A., Baikousi, M., Costas, V., Deligiannakis, Y. ; Karakassides, M.A., Louloudi, M. <i>Mn-Schiff base modified MCM-41, SBA-15 and CMK-3 NMs as single-site heterogeneous catalysts: Alkene epoxidation with H₂O₂ incorporation</i> JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL 2016 413, pp. 40-55. doi: https://doi.org/10.1016/j.molcata.2015.12.015
J.134	Antonopoulou, M., Karagianni, P., Giannakas, A., Deligiannakis, Y. , Konstantinou, I. <i>Photocatalytic degradation of phenol by char/N-TiO₂ and char/N-F-TiO₂ composite photocatalysts</i> CATALYSIS TODAY 2017 280, pp. 114-121. doi: https://doi.org/10.1016/j.cattod.2016.03.054
J.133	Stathi, P., Louloudi, M., Deligiannakis, Y.* <i>Efficient Low-Temperature H₂ Production from HCOOH/HCOO⁻ by [Pd⁰@SiO₂-Gallic Acid] Nanohybrids: Catalysis and the Underlying Thermodynamics and Mechanism</i> ENERGY AND FUELS 2016 30 (10), pp. 8613-8622. doi: https://doi.org/10.1021/acs.energyfuels.6b01729
J.132	Y. Georgiou, E. Mouzourakis, A. B. Bourlinos, C. Daikopoulos, R. Zboril, M. A. Karakassides, A. P. Douvalis, Th. Bakas, Y. Deligiannakis* <i>Surface decoration of amine-rich carbon nitride with iron nanoparticles for Arsenite (As^{III}) uptake: the evolution of the Fe-phases under ambient conditions</i> J. HAZ. MAT (2016) 312, pp. 243-253. doi: https://doi.org/10.1016/j.jhazmat.2016.03.066
J.131	Tsilomelekis, G., Panagiotou, G.D., Stathi, P., Deligiannakis, Y. , Boghosian, S., Lycourghiotis, A. <i>Molybdena deposited on titania by equilibrium deposition filtration: Structural evolution of oxo-molybdenum(VI) sites with temperature</i> PHYSICAL CHEMISTRY CHEMICAL PHYSICS 2016, 18 (34), pp. 23980-2398. doi: https://doi.org/10.1039/C6CP05247A
J.130	Papastergiou, M., Stathi, P., Milaeva, E.R., Deligiannakis, Y.* , Louloudi, M. <i>Comparative study of the catalytic thermodynamic barriers for two homologous Mn- and Fe-non-heme oxidation catalysts</i> JOURNAL OF CATALYSIS 2016, 341, pp. 104-115. doi: https://doi.org/10.1016/j.jcat.2016.06.017
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J.128	Giannakas, A., M. Antonopoulou, Daikopoulos, C., Deligiannakis, Y.* , Konstantinou, I. <i>EPR and catalytic performance study of B-doped, B-N co-doped and B-N-F tri-doped TiO₂ towards simultaneous Cr(VI) reduction and benzoic acid oxidation</i> APPLIED CATALYSIS B: ENVIRONMENTAL (2016) 184, 44-54. doi: 10.1016/j.apcatb.2015.11.009
J.127	Georgios A. Sotiriou, Christoph O. Blattmann and Yiannis Deligiannakis* <i>Nanoantioxidant-driven plasmon enhanced proton-coupled electron transfer</i> NANOSCALE (Advance Article) (2016) 8, 796-803. doi: 10.1039/c5nr04942c
J.126	M.-S. Vidali, E. Bletsa, A. Kouloumpis, C. G. Skoutelis, Y. Deligiannakis* , D. Gournis and D. Vlastos <i>Induction of micronuclei by multi-walled carbon nanotubes interacting with humic acids in cultured human lymphocytes</i> ENVIRON. SCI.: NANO , 2016, 3, 78-84. doi: https://doi.org/10.1039/C5EN00138B
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J.124	Georgiou, Y., Dimos, K., Beltsios, K., Karakassides, M.A., Deligiannakis, Y.* . <i>Hybrid [polysulfone-Zero Valent Iron] membranes: Synthesis, characterization and application for As^{III} remediation.</i> CHEMICAL ENGINEERING JOURNAL 281, 2015, p. 650-660. doi: https://doi.org/10.1016/j.cej.2015.06.118
J.123	Bletsas, E., Stathi, P., Dimos, K., Louloudi, M., Deligiannakis, Y.* <i>Interfacial Hydrogen Atom Transfer by nanohybrids based on Humic Acid Like Polycondensates</i> 2015 JOURNAL OF COLLOID AND INTERFACE SCIENCE 455, pp. 163-171. doi: https://doi.org/10.1016/j.jcis.2015.05.039
J.122	Makrigianni, V., Giannakas, A., Deligiannakis, Y. , Konstantinou, I. <i>Adsorption of phenol and methylene blue from aqueous solutions by pyrolytic tire char: Equilibrium and kinetic studies</i> 2015 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING 3 (1), pp. 574-582. doi: https://doi.org/10.1016/j.jece.2015.01.006
J.121	Makrigianni, V., Giannakas, A., Daikopoulos, C., Deligiannakis, Y. , Konstantinou, I. <i>Preparation, characterization and photocatalytic performance of pyrolytic-tire-char/TiO₂ composites, toward phenol oxidation in aqueous solutions</i> 2015 APPLIED CATALYSIS B: ENVIRONMENTAL 174-175, pp. 244-252. doi: https://doi.org/10.1016/j.apcatb.2015.03.007
J.120	Seristatidou, E., Mavrogiorgou, A., Konstantinou, I., Louloudi, M., Deligiannakis, Y. <i>Recycled carbon (RC) materials made functional: An efficient heterogeneous Mn-RC catalyst</i> 2015 JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL 403, 9464, pp. 84-92. doi: https://doi.org/10.1016/j.molcata.2015.04.001
J.119	Stathi, P., Deligiannakis, Y. , Avgouropoulos, G., Louloudi, M. <i>Efficient H₂ production from formic acid by a supported iron catalyst on silica</i> 2015 APPLIED CATALYSIS A: GENERAL 498, pp. 176-184. doi: https://doi.org/10.1016/j.apcata.2015.03.029
J.118	Antonopoulou, M., Skoutelis, C.G., Daikopoulos, C., Deligiannakis, Y. , Konstantinou, I.K. <i>Probing the photolytic-photocatalytic degradation mechanism of DEET in the presence of natural or synthetic humic macromolecules using molecular-scavenging techniques and EPR spectroscopy</i> 2015 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING in press. doi: https://doi.org/10.1016/j.jece.2015.02.020
J.117	Christoforidis, K.C., Louloudi, M., Deligiannakis, Y.* . <i>Effect of humic acid on chemical oxidation of organic pollutants by Fe(II) and H₂O₂: A dual mechanism</i> 2015 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING Article in Press. doi: https://doi.org/10.1016/j.jece.2015.02.005
J.116	Stathi, P., Deligiannakis, Y. , Louloudi, M. <i>Co-catalytic enhancement of H₂ production by SiO₂ nanoparticles</i> 2014 CATALYSIS TODAY 2015, 242 pp. 146-152. doi: https://doi.org/10.1016/j.cattod.2014.07.012
2014	
J.115	J. T. N. Knijnenburg, E. Seristatidou, F. M. Hilty, F. Krumeich, Y. Deligiannakis * <i>Proton-Promoted Iron Dissolution from Nanoparticles and the Influence by the Local Iron Environment</i> J. PHYS. CHEM. C , 2014, 118 (41), pp 24072–24080. doi: https://doi.org/10.1021/jp506024g
J.114	Y. Deligiannakis* , G. A. Sotiriou, S. E. Pratsinis <i>Nanoantioxidant materials for theranostics: Near-infrared plasmon enhanced proton-coupled electron transfer</i> MATERIALS RESEARCH SOC. BULLETIN (2014), pp.1627-1629. doi: https://doi.org/10.1557/opl.2014.125
J.113	Daikopoulos, C. , Georgiou, Y. , Bourlinos, A.B. , Baikousi, M. , Karakassides, M.A. , Zboril, R. , Steriotis, T.A. , Deligiannakis, Y.* <i>Arsenite remediation by an amine-rich graphitic carbon nitride synthesized by a novel low-temperature method</i> CHEMICAL ENGINEERING JOURNAL 256, 2014, Pages 347-355. doi: https://doi.org/10.1016/j.cej.2014.06.045
J.112	Spyrou, K., Potsi, G., Diamanti, E.K., Y. Deligiannakis. Gournis, D., Rudolf, P. <i>Towards novel multifunctional pillared nanostructures: Effective intercalation of adamantylamine in graphene oxide and smectite clays</i> 2014 ADVANCED FUNCTIONAL MATERIALS 24 (37), pp. 5841-5850. doi: https://doi.org/10.1002/adfm.201400975
J.111	Skoutelis, C.G., Antonopoulou, M., Giannakas, A.E., Deligiannakis, Y. , Konstantinou, I.K. <i>Mechanism of synergistic photocatalytic Cr(VI)-reduction and benzoic acid oxidation by visible light active TiO₂ photocatalysts</i> 2014 JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES 17 (2), pp. 202-211. doi: https://doi.org/10.1515/jaots-2014-0205
J.110	Mavrogiorgou, A., Papastergiou, M., Deligiannakis, Y. , Louloudi, M. <i>Activated carbon functionalized with Mn(II) Schiff base complexes as efficient alkene oxidation catalysts: Solid support matters</i> 2014 JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL 393, pp. 8-17. doi: https://doi.org/10.1016/j.molcata.2014.05.038
J.109	Drosos, M., Leenheer, J.A., Avgeropoulos, A., Deligiannakis, Y. <i>H-binding of size- and polarity-fractionated soil and lignite humic acids after removal of metal and ash components</i> 2014 ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 21 (5), pp. 3963-3971. doi: https://doi.org/10.1007/s11356-013-2302-9

J.108	C. Daikopoulos, A. B. Bourlinos, Y. Georgiou, Y. Deligiannakis , R. Zborzil, M.I A. Karakassides <i>A functionalized phosphonate-rich organosilica layered hybrid (PSLH) fabricated through a mild process.</i> J. HAZARDOUS MATERIALS (2014) 270, pp. 118-126. doi: https://doi.org/10.1016/j.jhazmat.2014.01.045
J.107	K. Fujiwara, Y. Deligiannakis , S. E. Pratsinis <i>Visible-light photoactive TiO₂/Ag/TiO_x core-shell particles made by scalable spray flames</i> APPLIED CATALYSIS B: ENVIRONMENTAL (2014) 154-155, pp. 9-15. doi: 10.1016/j.apcatb.2014.01.060
J.106	Zamparas, M., Drosos, M., Deligiannakis, Y. , Zacharias, I. <i>Eutrophication control using a novel bentonite humic-acid composite material Bephos™</i> 2014 JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING in press. doi: https://doi.org/10.1016/j.jece.2014.12.013
J.105	G. Bilis, P. Stathi, A. Mavrogiorgou, Y. Deligiannakis* , M. Louloudi <i>*Improved Robustness of Heterogeneous Fe-non-heme Oxidation Catalysts: a Catalytic and EPR study</i> APPLIED CATALYSIS A: GENERAL 470, (2014), 376-389. doi: https://doi.org/10.1016/j.apcata.2013.11.009
J.104	Tsoufis, T., Ampoumogli, A., Gournis, D. , Georgakilas, V., Jankovic, L., Christoforidis, K.C., Deligiannakis, Y.* <i>Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes</i> CARBON 67, (2014),424-433. doi: https://doi.org/10.1016/j.carbon.2013.10.014

MEMBERSHIPS & REVIEWING ACTIVITIES

2005-present	Expert reviewer for ISI Journals (selected journals are mentioned): Nature Materials, JACS, Environmental Science & Technology, ACS Applied Materials & Interfaces, ACS Catalysis, Phys Rev-B, PRL, Journal of Catalysis, J.Phys Chem B, C, J Phys Chem Letters.
2018-present	Expert for the progress assessment of research proposals HFRI
2017- present	Expert for the evaluation of research proposals, projects and scholarships: EU-HORIZON Nanomaterials, Energy, Engineering Panels (HORIZON-MSCA-2022-PF, FETPROACT-2018, HORIZON-WIDESRPEAD 2019, REA HE-MSCA-2021, ERANETMED) NATO (2017, 2019) von Humboldt-GmbH (2020), US-DoE (2019) Greek State Scholarships Foundation (IKY, 2017,18,19)
2019	Chair of the Thematic Committee for the Scientific Area "Environment & Energy" of the Greece-China Bilateral Collaboration Projects, GSRT
2018-present	Expert for the progress assessment of research proposals HFRI
2006 - present	Independent expert for monitoring projects: financed by the GSRT

TEACHING ACTIVITIES

2014 -today	Undergraduate courses: - <i>Materials Characterizing Techniques.</i> - <i>General Physics-</i> Materials & Environment (University of Ioannina)
2014 -today	Postgraduate courses: Statistical Physics, Nanoscale Physics (MSc Dept Physics), Spectroscopy Techniques in Materials Science (MSc-Dept Physics/Dept Materials Engineering (University of Ioannina))
2011 -2014	Postgraduate courses: Nanoscale Interfacial Process (MSc Dept Mechanical Engineering (ETH Zurich))

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS

Supervision of 8 Postdoctoral Fellows (7 accomplished, 1 in progress)	
Supervisor of 19 PhD Theses (14 accomplished, 5 in progress)	
Supervisor of 16 Sc. Theses (14 accomplished, 2 in progress)	
Supervisor of 56 Diploma theses (54 accomplished, 2 in progress)	

FELLOWSHIPS and AWARDS

9/1993-8/1995	(E.U. Human Capital and Mobility Fellowship) Post-doctoral associate, University of Rene Descartes, CNRS, URA 400, Paris, France.
1/1996-12/1996	(E.U. Return Grant) Postdoctoral Fellow , Chemistry Department, University of Ioannina, Ioannina, Greece.

RESEARCH GRANTS (SELECTED INDUSTRIAL COLLABORATIONS)

<i>Project Title</i>	<i>Funding source</i>	<i>Period</i>	<i>Role of the PI</i>
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'Development Of High-Conduction-Band Nanoheterostructures For Artificial Photosynthesis, Co2 Reduction With H2o Oxidation'	HFRI	2019-2023	PI
'Photoactive Particles Made By Flame Spray Pyrolysis Technology',	L Oreal-France	2020-2022	PI
"Nanocement C2s C3s Production By Flame Spray Pyrolysis Technology"	TITAN SA	2016-2019	PI
Effect Of Photocatalytic Uv Irradiation On Natural Fibers	L Oreal-France	2019-2021	PI
'Development Of Eco Friendly Solar Light-Filtering Nanomaterials,	L Oreal-France	2018-2021	PI
Development Of Pyrolytic Materials For Environmental And Catalytic Applications [Synergasia 2012-2015].	GSRT	2012-2015	PI
Development Of Hybrid Meso And Nano Porous Materials For Environmental And Catalytic Applications [Thalis 2012-2015]	GSRT	2013-2015	PI
Studies Of Environmental And Technological Materials With Advanced Epr Spectroscopies	IKY-DAAD (Greece-Germany)	2010-2012	PI
Development Of Low-Tg Glasses Exploiting Red Mud Wastes For Heavy Metal Remediation	ALUMINION S.A.	2011-2012	PI
Novel Hybrid Catalytic Materials For Decomposition Of Organic Pollutants.	NATO (Greece-Russia)	2007-2009	PI

GRANT APPLICATIONS OF RELATED PROJECTS

Project Title	Funding source	Submission date	Role of the PI
<i>Heterostructured Architectures For Industrial-Scale Catalytic Energy Technologies [INSPIRE]</i>	(HORIZON-CL5-2022-D3-03) Sustainable, secure and competitive energy supply	18-09-2022	PI

2 PI - SCIENTIFIC ACHIEVEMENTS

Ten (10) representative publications, from the last ten (10) years, as main author

- Deligiannakis, Y***, Mantzani, A., Zindrou, A., Smykala, S., Solakidou, M. *Control of monomeric Vo's versus Vo clusters in ZrO_{2-x} for solar-light H₂ production from H₂O at high-yield (millimoles gr⁻¹ h⁻¹)*
Scientific Reports **2022**, 12(1),15132
- Y. Deligiannakis*** *Nanomaterials for Environmental solar energy technologies: Application and Limitations (Invited Industrial Review Article)* **KONA Powder and Particle Journal** (in press)
DOI:10.14356/kona2018004
- P. Stathi, M. Louloudi, **Y. Deligiannakis***, "Efficient Low-Temperature H₂ Production from HCOOH/HCOO⁻ by [Pd⁰@SiO₂-Gallic-Acid] Nanohybrids: Catalysis and the Underlying Thermodynamics & Mechanism" **ACS Energy Fuels** 30 (2016) 8613.
- M. Papastergiou, P. Stathi, E.R. Milaeva, **Y. Deligiannakis***, M. Louloudi, "Comparative Study of the Catalytic Thermodynamic Barriers for two Homologous Mn- and Fe-Non-Heme oxidation catalysts" **J. Catal.** 341 (2016) 104.
- P. Stathi, **Y. Deligiannakis***, G. Avgouropoulos, M. Louloudi, "Efficient H₂ Production from Formic Acid by a Supported Iron Catalyst on Silica." **Appl. Catal. A-Gen.** 498 (2015) 176.
- P. Stathi, Y. Deligiannakis, M. Louloudi, "Co-catalytic Enhancement of H₂ Production by Metal Oxide Nanoparticles." **Catal. Today** 242 (2015) 146.
- Solar photocatalytic degradation of bisphenol A with CuOx/BiVO4: Insights into the unexpectedly favorable effect of bicarbonates* Kanigaridou, Y., Petala, A., Frontistis, Z., **Deligiannakis, Y.**; Mantzavinos, D., Kondarides, D.I. **CHEMICAL ENGINEERING JOURNAL** 2016 313, pp. 466-474.
- Georgios A. Sotiriou, Christoph O. Blattmann and **Yiannis Deligiannakis*** *Nanoantioxidant-driven plasmon enhanced proton-coupled electron transfer* **NANOSCALE** (Advance Article) (2016) 8, 796-803.
- K. Fujiwara, **Y. Deligiannakis***, S. E. Pratsinis *Visible-light photoactive TiO₂/Ag/TiO_x core-shell particles made by scalable spray flames* **APPLIED CATALYSIS B: ENVIRONMENTAL** (2014) 154-155, pp. 9-15

10. Giannakas, A., M. Antonopoulou, Daikopoulos, C., Deligiannakis, Y.*, Konstantinou, I. *EPR and catalytic performance study of B-doped, B-N co-doped and B-N-F tri-doped TiO₂ towards simultaneous Cr(VI) reduction and benzoic acid oxidation* **APPLIED CATALYSIS B: ENVIRONMENTAL** (2016) 184, 44-54

Research monographs

- [1] **Y. Deligiannakis*** *Nanomaterials for Environmental solar energy technologies: Applications and Limitations (Invited Industrial Review Article)* **KONA Powder and Particle Journal** (2018) 35, 14031
DOI:10.14356/kona2018004

Granted patents

GRANDED PATENTS

EU/WO PATENTS		
WO/2021/130370	PROCESS FOR PREPARING PARTICLES COATED WITH SILICON OXIDE BY FLAME SPRAY PYROLYSIS	CO-HOLDER L OREAL FRANCE
3105787	PROCEDE DE PREPARATION DE PARTICULES D'OXYDE DE ZINC ENROBEES PAR PYROLYSE PAR PROJECTION DE FLAMME	CO-HOLDER L OREAL FRANCE
WO/2021/130369	PROCESS FOR PREPARING COATED ZINC OXIDE PARTICLES BY FLAME SPRAY PYROLYSIS	CO-HOLDER L OREAL FRANCE
WO/2022/112053	USE OF A PARTICULAR METAL OXIDE FOR THE PHOTOCONVERSION OF ORGANIC COMPOUNDS ON KERATIN MATERIALS	CO-HOLDER L OREAL FRANCE
WO/2021/130371	METAL OXIDE PARTICLES COATED WITH A RARE-EARTH OXIDE AND PROCESS FOR PREPARING SAME BY FLAME SPRAY PYROLYSIS	CO-HOLDER L OREAL FRANCE
WO2015028529 EP2842627	VISIBLE LIGHT PHOTOACTIVE NANOPARTICLES AND METHODS FOR THE PREPARATION THEREOF	CO-HOLDER ETH-Zurich
WO2014060080 EP2722369	HYBRID NANOANTIOXIDANT MATERIALS	CO-HOLDER ETH-Zurich
WO2020254840 -	NANOCLINKER POWDER WITH BELITE AND, OPTIONALLY, ALITE CRYSTALLINE PHASES	CO-HOLDER TITAN-CEMENT SA
GREEK PATENTS		
1008854	ΦΩΤΟΚΑΤΑΛΥΤΙΚΑ ΑΝΑΓΕΝΝΩΜΕΝΟ ΣΥΝΘΕΤΟ ΠΡΟΣΡΟΦΗΤΙΚΟ ΥΛΙΚΟ ΑΠΟ ΕΞΑΝΘΡΑΚΩΜΑ ΧΡΗΣΙΜΟΠΟΙΗΜΕΝΩΝ ΕΛΑΣΤΙΚΩΝ ΟΧΗΜΑΤΩΝ-Ν, F-TIO ₂ ΓΙΑ ΤΗΝ ΡΟΦΗΣΗ-ΑΠΟΔΟΜΗΣΗ ΦΑΙΝΟΛΗΣ	
1008850	ΥΛΙΚΟ ΑΠΟ ΕΞΑΝΘΡΑΚΩΜΑ ΑΝΑΚΥΚΛΩΜΕΝΩΝ ΕΛΑΣΤΙΚΩΝ ΟΧΗΜΑΤΩΝ ΒΕΛΤΙΣΤΟΠΟΙΗΜΕΝΟ ΓΙΑ ΔΕΣΜΕΥΣΗ ΑΡΣΕΝΙΚΟΥ	
1008352	ΥΒΡΙΔΙΚΟ ΥΛΙΚΟ ΜΕ ΒΑΚΤΗΡΙΟΚΤΟΝΟ ΔΡΑΣΗ	
1007843	ΠΡΟΣΡΟΦΗΤΙΚΟ ΥΛΙΚΟ ΓΙΑ ΤΗΝ ΑΠΟΜΑΚΡΥΝΣΗ ΦΩΣΦΟΡΟΥ ΚΑΙ ΑΜΜΩΝΙΑΣ	

Invited presentations to international conferences and/or advanced schools (last decade)

- 2022** **Deligiannakis Y (Key-Note Lecture)** *Can we tune the particle properties by Flame Spray Pyrolysis for high-end photocatalysis? Challenges and opportunities* (9th World Congress on Particle Technology, Madrid, Spain, 20-24 Sept **2022**) (<https://wcpt9.org/>)
- 2022** **Y. Deligiannakis (Plenary Lecture)** *EPR in the era of Nanocatalysis: its key-role in Monitoring Catalytic Reaction Intermediates* European EPR Association Symposium PARACAT -Athens, Greece Sept 18-21 (**2022**) (<https://paracat.eu/wp/>)
- 2022** **Y. Deligiannakis** *Industrial Scale Engineering of Photocatalytic Nanomaterials by Flame Spray Pyrolysis (F.S.P.) (Invited speaker)* 7th International Conference on Nanotechnology and Nanomaterials in Energy ICNNE **2022** | March 23-25, Osaka, Japan (<http://www.icnne.org/>)
- 2020** **Y. Deligiannakis** *Anoxic-Flame Spray Pyrolysis: potent technology for engineering of CO₂-reducing Photocatalysts (Invited speaker)* 4th International Symposium Gas-Phase Synthesis of Functional Nanomaterials April 2020 Fraunhofer- enter, Duisburg Germany (https://www.uni-due.de/cenide/symposium_synthesis_2020.php)
- 2018** **Y. Deligiannakis** *Defect Control in Nanosemiconductors by Flame Spray Pyrolysis (Invited speaker)* ANEM2018-Advanced Nano and Energy conference, 12 - 14 December 2018, Perth, Australia
- 2018** **Y. Deligiannakis** *Pd@TiO₂ Heterostructures Prepared by Two-Stage Flame Spray Pyrolysis: Efficient H₂ production catalysts at ambient T and P. (Invited speaker)* 255th American Chemical Society National Meeting, , LA-Section Energy 12-18 March **2018** New Orleans USA
- 2016** **Y. Deligiannakis** *Hydrogen Atom Transfer by Humic-Acid-Nanoparticle Nanoantioxidants (Invited speaker)* in 18th IHSS Conference Sept **2016** Kanazawa Japan.

2013 Y. DELIGIANNAKIS *PLASMONICALLY ENHANCED HYDROGEN ATOM TRANSFER BY NEAR IR IRRADIATION. (SESSION LECTURE)*
IN MATERIALS RESEARCH SOCIETY SEPT 2013 BOSTON USA.

Organization of international conferences

2014 Chair: 17th International Humic Substances Conference on Environmental Technologies – Sept 2014 Ioannina Greece, <http://www.ihss2014.org/> (400 participants)

Prizes/Awards/Academy memberships

[1] 2011-2013 **elected Visiting Professor** at the Department of Mechanical and Process Engineering ETH Zurich, Switzerland <https://ptl.ethz.ch/people/alumni/visiting-professors.html>

[2] *First demonstration of Flame-Spray-Pyrolysis as enabling Technology to engineer Highly-Efficient Nanophotocatalysts (Deligiannakis et al Scientific Reports 2022: DOI 10.1038/s41598-022-19382-3). To be included in special 2022 collection of NATURE Journal on “Hydrogen and alternative fuel sources” info Tom Dodds Managing Editor, Publishing Performance & Intelligence, Springer Nature The Campus, 4 Crinan Street, London N1 9XW, UK tom.dodds@springernature.com*

[3] **TechConnect Innovation Award** : patent [WO2014060080_Patent HYBRID NANOANTIOXIDANT MATERIALS](#) Received the TechConnect Innovation Award 2013, Washington, D.C., USA (13-16 May 2013) https://www.techconnectworld.com/World2013/participate/innovation/innovation_awards.html

[4] **Cover Page:** Advanced Article *Nanoantioxidant-driven plasmon enhanced proton-coupled electron transfer* G. A. Sotiriou, C.O. Blattmann and Y. Deligiannakis * **NANOSCALE** (Advanced Article) (2016) 8, 796-803.)

Major contributions to the early careers of excellent researchers

[1] PhD-Thesis Supervisor of **Konstantinos Christoforidis (2005-2009)** (University of Ioannina) then Marie-Curie Fellow (Institute of Catalysis, Univ. Madrid. Prof. Garcia-Fernandez Marcos), EPFL (group of M Gratzel), Imperial College UK (DeptChem Engineering, Prof Camille Petit)

Today: Assistant Professor Dept Environmental Engineering, Democritus University of Thrace, Greece. <https://env.duth.gr/en/faculty/konstantinos-christoforidis/>

[2] MsC-Thesis Supervisor & PhD-Thesis Co-supervisor of **Kakeru Fujiwara (2013-2017)** (ETH Zurich, Dept. Mech Engineering ETH Zurich).

Today: Assistant Professor Graduate School of Science and Engineering Yamagata University Japan, https://yudb.kj.yamagata-u.ac.jp/html/200000502_en.html

[3] PhD-Thesis Supervisor of **Marios Drosos (2008-2013)** (University of Ioannina) then Marie-Curie Fellow (Karlruhe Insitiute of Technology Prof. F. Frimmel).

Today: Associate Professor: Institute of Resource, Ecosystem and Environment of Agriculture, Nanjing Agricultural University, China <http://njau.admissions.cn/>