



PHILIPS UNIVERSITY

IOANNIS PAPADAS
Assistant Professor



Academic Personnel Short Profile / Short CV

University:	PHILIPS UNIVERSITY
Surname:	Papadas
Name:	Ioannis
Rank/Position:	Assistant Professor (Visiting)
Faculty:	Education and Sciences
Department:	Social and Behavioural Sciences
Scientific Domain: *	Environmental Technology – Environmental Chemistry

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ass. Professor	2021	University of West Attica	Public and Community Health	Sanitary engineering and environmental technology
Research B'	2020	Cyprus University of Technology	Mechanical Engineering and Materials Science and Engineering	
Ph.D	2010	University of Ioannina	Environmental Management and Natural Resources	Physicochemical Study of Modified Clays as Adsorbents of Heavy Metals from Wastewater
Bachelor, M.Sc.	2005	University of Patras	Environmental Engineering	Cr ⁶⁺ -Bioremediation from industrial waste by use of porous means



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
09.2021	present	University of West Attica	Athens, Greece	Ass. Professor
04.2019	08.2021	Cyprus University of Technology	Limassol, Cyprus	Research B
03.2016	03.2019	Cyprus University of Technology	Limassol, Cyprus	Postdoctoral researcher

Key *refereed* journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Conductivity Transport Mechanisms of Solution-Processed Spinel Nickel Cobaltite-Based Hole Transporting Layers and Its Implementation as Charge Selective Contact in Organic Photovoltaics	Apostolos Ioakeimidis, Aristeidis Kottaras, Dimitrios Karageorgopoulos, Efstathia Christia, Sotirios Sakkopoulos, Evangelos Vitoratos, Stelios A. Choulis and Ioannis T. Papadas	Environmental Sciences Proceedings	26	63-68
2	2022	Non-Embedded Silver Nanowires/Antimony-Doped Tin Oxide/Polyethylenimine Transparent Electrode for Non-Fullerene Acceptor	Efthymios Georgiou, Apostolos Ioakeimidis, Ioanna Antoniou, Ioannis T Papadas, Alina Hauser, Michael Rossier, Flavio Linardi, Stelios A Choulis	ACS Applied Electronic Materials	5	181-188

		ITO-Free Inverted Organic Photovoltaics				
3	2021	Solution Combustion Synthesized Iron Manganite Nanoparticles and their Implementation as n-type Photoactive Layer in Fully Inorganic p-n Heterojunctions Photovoltaics	Ioannis T. Papadas, Apostolos Ioakeimidis, Ioannis Vamvasakis, Polyvios Eleftheriou, Gerasimos S. Armatas and Stelios A. Choulis	Front. in Chemistry	9	75448 7
4	2021	Thermal Analysis of Metal-Organic Precursors for Functional Cu:NiOx Hole Transporting Layer in Inverted Perovskite Solar Cells: Role of Solution Combustion Chemistry in Cu:NiOx Thin Films Processing	Apostolos Ioakeimidis, Ioannis T Papadas, Eirini D Koutsouroubi, Gerasimos S Armatas, Stelios A Choulis	Nanomaterials	11	3074
5	2021	Ni-doped MoS ₂ modified graphitic carbon nitride layered hetero-nanostructures as highly efficient photocatalysts for environmental remediation	Eirini D Koutsouroubi, Ioannis Vamvasakis, Maria G Minotaki, Ioannis T Papadas, Charalampos Drivas, Stelios A Choulis, Georgios Kopidakis, Stella Kennou, Gerasimos S Armatas	Applied Catalysis B: Environmental	297	12041 9
6	2019	Nanoparticulate metal oxide top electrode interface modification improves the thermal stability of inverted perovskite photovoltaics	Ioannis T Papadas, Fedros Galatopoulos, Gerasimos S Armatas, Nir Tessler, Stelios A Choulis	Nanomaterial	9	1616
7	2018	Low - Temperature Combustion Synthesis of a Spinel NiCo ₂ O ₄ Hole Transport Layer for Perovskite Photovoltaics	Ioannis T Papadas, Apostolos Ioakeimidis, Gerasimos S Armatas, Stelios A Choulis	Advanced Science	5	17010 29
8	2016	Templated self-assembly of colloidal nanocrystals into three-dimensional mesoscopic structures: A perspective on synthesis and catalytic prospects	Ioannis T Papadas, Ioannis Vamvasakis, Ioannis Tamiolakis, Gerasimos S Armatas	Chemistry of Materials	28	2886- 2896



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ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
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9	2009	A theoretical and experimental physicochemical study of sulfur species in the anoxic lagoon of Aitoliko-Greece	Ioannis T Papadas, Lambros Katerinopoulos, Areti Gianni, Ierotheos Zacharias, Yiannis Deligiannakis	Chemosphere	74	1011-1017
10	2015	A high surface area ordered mesoporous BiFeO ₃ semiconductor with efficient water oxidation activity	Ioannis Papadas, Joseph A Christodoulides, George Kioseoglou, Gerasimos S Armatas	Journal of Materials Chemistry A	3	1587-1593



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**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	Jan 31-Feb 2, 2022	Metal-Oxide Interfaces and Additive Engineering for High Performance Perovskite Solar Cells	2nd EUTINN International Workshop	Cartagena, Spain	Co-Author
2	24-28 October 2022	Materials for Sustainable Development Conference Light degradation mechanisms of non-fullerene acceptor Organic Photovoltaics incorporating PM6:Y6 based Active Layer	Mat-Sus, NanoGe Fall Meetings	Barcelona, Spain	Co-Author
3	2-4 June 2022	Solution Combustion Synthesized Iron Manganite Nanoparticles and their Implementation as n-type Photoactive Layer in Fully Inorganic p-n Heterojunctions Photovoltaics	13th Greek Conference of Chemical Engineering, University of Patras	Patra, Greece	Presenter
4	29-31 May 2019	Combustion Synthesis of NiCo ₂ O ₄ hole transport layer for perovskite solar cells	12th Greek Conference of Chemical Engineering, NTUA	Athens, Greece	Presenter
5	1-5 November 2019	Combustion Synthesized nanomaterials for Inverted Perovskite Solar Cells	NanoGe Fall Meeting19 (NFM19)	Berlin-Germany	Presenter

6	22-26 March 2019	Long Thermal Stability of Inverted Perovskite Photovoltaics Incorporating Fullerene - Based Diffusion Blocking Layer	Next-Gen IV:PV materials	Groningen-Holland	Co-Author
7	17-19 September 2018	Delafossite Hole Transporting Layers for Perovskite Solar Cells via Surfactant-Assisted Hydrothermal Synthesis	XXXIII Panhellenic Conference on Solid State Physics and Materials Science, University of Cyprus	Nicosia-Cyprus	Presenter
8	22-26 August 2017	Synthesis of Q2D-3D perovskite optoelectronic materials and devices	1st European Conference on Chemistry of Two-Dimensional Materials (Chem2DMat)	Strasbourg – France	Presenter
9	2-4 September 2015	Controllable Synthesis of Mesoporous Iron Oxide Nanocrystal Assemblies for Chemoselective Nitroarene Transfer Hydrogenation	International Symposium on Synthesis and Catalysis, IsySyCat 2015	Evora-Portugal	Presenter
10	11-15 May 2015	Ordered Mesoporous BiFeO ₃ Semiconductor as Efficient Photocatalyst for Oxygen Evolution in Water Splitting	European Materials Research Society, EMRS 2015	Lille- France	Presenter

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2020-2021	Roll-2-Roll and Photolithography post-processed with Laser digital technology for FLEXible photovoltaics and wearable displays, RoLA-FLEX	European Union's Horizon 2020	Researcher B'
2	2019-2020	Solution Processed Next Generation Photovoltaics	ERC Consolidator- E.U.	Researcher B'
3	2016-2019	Solution Processed Next Generation Photovoltaics	ERC Consolidator- E.U.	Postdoctoral Researcher
4	2015-2016	Photochemical conversion of solar energy by mesoporous metal oxides semiconductors materials	IKY-Greece	Scientific/Project Coordinator
5	2012-2015	Mesoporous – NPs, Periodically Order Mesoporous Metal and Metal-Oxide Nanoparticle Assemblies for Catalytic and Gas Separation Applications	ERC Starting – E.U.	Postdoctoral Researcher
6	2012-2015	Materials of Advanced Nano-Architecture at Mesoscale for Energy and Environmental Applications	THALIS, General Office for Research and Technology (ΓΓΕΤ) –E.U.	Postdoctoral Researcher
7	2005-2009	Physicochemical Study of Modified Clays as Adsorbents of Heavy Metals	ΠΕΝΕΔ 03, General Office for Research and Technology (ΓΓΕΤ) –E.U.	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
 List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	01.2022-present	University of West Attica, Greece	Team member of internal evaluation committee for the Department of Public and Community Health	Annual internal evaluation report of undergraduate study program
2	12.2021-present	University of West Attica, Greece	Team member of academic staff selection committee for the Department of Public and Community Health	Evaluation of candidates based on previously established criteria
3	10.2021-present	University of West Attica, Greece	Supervisor	Supervisor A' of 4 Bachelor Thesis, Department of Public & Community Health, School of Public Health
4	10.2020-present	University of West Attica, Greece	Supervisor	Supervisor A' of 8 Master Thesis, M.Sc. Programme, Department of Public & Community Health, School of Public Health
5	07.2017-present	Hellenic Open University, Greece	Supervisor	Supervisor A' of 16 Master Thesis, M.Sc. Programme of Wastewater Management

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Awarded by:
1	09.2020	Postdoctoral Fellowship	Cyprus University of Technology (CUT)
2	10.2015	Postdoctoral Fellowship	Greek Foundation of Fellowships

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1	01.2012-present	Reviewer in International Scientific Journals	Evaluation of research papers
2	09.2021-present	Assistant Professor in the Department of Public & Community Health, School of Public Health at the University of West Attica, Greece	Teaching activities (scored ~4.5/5). Academic Courses: 1. Atmospheric Pollution 2. Solid Waste Management 3. Environmental Chemistry 4. Wastewater Treatment 5. Water Management 6. Health and Safety Management System
3	10.2020-present	Visiting Lecturer, M.Sc. Programme, Department of Public & Community Health, School of Public Health at the University of West Attica, Greece	Teaching activities. Academic Course: Project Management
4	09.2021-present	Visiting Lecturer, M.Sc. Programme, Faculty of Medicine, University of Thessaly, Greece	Teaching activities. Academic Course: Waste Management



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5	2016-2018	Visiting Lecturer, Undergraduate Program, Department of Mechanical Engineering and Materials Science and Engineering, Cyprus University of Technology, Cyprus	Teaching activities. Academic Course: Materials Science and Engineering. An Introduction
6	2015-2016	Visiting Lecturer, M.Sc. Programme, Department of Planning and Regional Development, School of Engineering, University of Thessaly, Greece	Teaching activities. (scored 4.4/5) Academic Course: Environmental Pollution and Protection
7	2011-2012	Visiting Lecturer, Undergraduate Program, Department of Public Health, Technical Institute of Athens, Greece	Teaching activities. Academic Course: Systems of Environmental Management



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8	2005-2010	Assistant Educator, Department of Environmental Management and Natural Resources, University of Ioannina, Greece	Teaching activities. Academic Courses: 1. Inorganic Chemistry, 2. General Physical Chemistry and 3. Instrumental Chemical Analysis
9	2009-present	46 scientific articles have been published in referred international journals	Most of these in highly cited journals and more than 15 papers of these published in IF>8.5 journals, including Chem. Mater., Nanoscale, Chem. Eur. J. and J. Mater. Chem. A.
10	2009-present	The total citation times of his research paper are over 1770 with h-index of 22 and a total impact factor over 250.	Based on Google Scholar data on Aug. 2023