



Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Constantinou
Name:	Marios
Rank/Position:	Adjunct Faculty
Faculty:	Sciences and Engineering
Department:	Engineering
Scientific Domain: *	Materials Science and Engineering

* Field of Specialization

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2018	Cyprus University of Technology	Mechanical Engineering and Materials Science and Engineering	Nanostructured Amorphous Carbon-Metal Films for Protective and Solid Lubricant Applications
MSc	2009	University of Ioannina	Materials Science and Engineering	Synthesis, Characterization and Properties of Methacrylate Diblock Copolymers
BSc	2007	University of Ioannina	Materials Science and Engineering	Polystyrene/Poly(isoprene) Homopolymers and Copolymers "Grafting From" Single-Wall Carbon Nanotubes (CCVD & HiPCO)"



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ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
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Employment history in Academic Institutions/Research Centers–List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
09/2019	today	University of Nicosia	Nicosia, Cyprus	Adjunct Faculty
02/2020	today	Research Unit for Nanostructured Materials Systems - Cyprus University of Technology - Ecofuel (Cyprus) ltd	Lemesos, Cyprus	Postdoctoral Associate
01/2019	12/2019	Environmental Engineering Lab - Department of Chemical Engineering - Cyprus University of Technology	Lemesos, Cyprus	Postdoctoral Associate

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	2018	Metal (Ag/Ti)-containing hydrogenated amorphous carbon nanocomposite films with enhanced nanoscratch resistance: Hybrid PECVD/PVD system and microstructural characteristics	Nikolaou, P., Koutsokeras, L., Avgeropoulos, A., Moschovas, D., Varotsis, C., Patsalas, P., Kelires, P. and Constantinides, G.	Nanomaterials	8(4)	209
2	2017	Enhancing the nanoscratch resistance of pulsed laser deposited DLC films through molybdenum-doping	Pervolaraki, M., Koutsokeras, L., Prouskas, C., Patsalas, P., Kelires, P., Giapintzakis, J. and Constantinides, G.	Surface and Coatings Technology	330	185-195
3	2017	Microstructure and nanomechanical properties of pulsed excimer laser deposited DLC: Ag films: Enhanced nanotribological response	Pervolaraki, M., Nikolaou, P., Prouskas, C., Patsalas, P., Kelires, P., Giapintzakis, J. and Constantinides, G.	Surface and Coatings Technology	309	320-330
4	2012	Self-assembled thermoset materials by modification with poly (styrene)-block-poly (2-vinylpyridine)	Carrasco, P.M., de Luzuriaga, A.R., Kirsten, M., Georgopoulos, P., Rangou, S., Avgeropoulos, A., Zafeiropoulos, N.E., Stamm, M., Grande, H.J. and Caba, G.	Journal of Materials Science	47(10)	4348-4353

5	2012	Selective localization of multi-wall carbon nanotubes in homopolymer blends and a diblock copolymer. Rheological orientation studies of the final nanocomposites	Wode, F., Tzounis, L., Kirsten, M., Georgopoulos, P., Rangou, S., Zafeiropoulos, N.E., Avgeropoulos, A. and Stamm, M.	Polymer	53(20)	4438-4447
6	2020	Synthesis, characterization and thermoelectric performance of Mg ₂ (Si, Sn, Ge) materials using Si-kerf waste from photovoltaic technology	Mesaritis, G., Symeou, E., Delimitis, A., Constantinides, G., Jeagle, M., Tarantik, K. and Kyratsi, T.	Journal of Alloys and Compounds	826	153933
7	2020	Synthesis and Characterization of Hydrogenated Diamond-Like Carbon (HDLC) Nanocomposite Films with Metal (Ag, Cu) Nanoparticles	Koutsokeras, L., Nikolaou, P., Constantinides, G. and Kelires, P.	Materials	13(7)	1753
8	2019	Multiple network hydrogels: A study of their nanoindentation hardness	Panteli, P.A., Patrickios, C.S., Constantinou, M. and Constantinides, G.	In Macromolecular Symposia	385 (1)	1800201
9	2018	Impact of Structural Polymorphs on Charge Collection and Nongeminate Recombination in Organic Photovoltaic Devices	Keivanidis, P.E., Khan, J.I., Katzenmeier, L., Kan, Z., Limbu, S., Lariou, E., Constantinides, G., Hayes, S.C., Kim, J.S. and Laquai, F.	The Journal of Physical Chemistry C	122(51)	29141-29149
10	2018	Nanotribological response of a-C:H coated metallic biomaterials: the cases of stainless steel, titanium, and niobium	Kapnisis, K., Kyrkou, M., Nikolaou, P., Anayiotos, A. and Constantinides, G.	Journal of applied biomaterials & functional materials	16(4)	230-240

**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	17-20 September 2018	XXXIII Panhellenic Conference on Solid State Physics and Materials Science “Nanotribology of hybrid hydrogenated metal(Ag, Ti)-containing amorphous carbon thin films”	Local	Nicosia, Cyprus	Talk
2	13-14 December 2017	Advanced Nanomechanical Techniques for Academic and Industrial Research “Nanomechanical response of pulsed laser deposited diamond like carbon molybdenum films”	International	Micromaterials Conference Warwick, England	Invited talk
3	18-21 September 2016	XXXI Panhellenic Conference on Solid State Physics and Materials Science, “Hydrogenated amorphous carbon-silver/gold nanocomposite films for solar harvesting applications. “Nanomechanical characteristics of pulsed-laser deposited DLC films with metallic (Ag, Mo) nano inclusions” “PECVD/PVD hybrid deposition technology for developing Ag- and Ti-reinforced hydrogenated amorphous carbon nanocomposite coatings”	Local	Ioannina, Greece	Talk, Posters
4	02-06 May 2016.	E-MRS Spring Meeting “Hydrogenated amorphous carbon-silver/gold nanocomposite films for solar harvesting applications” “Nanomechanical and nanotribological response of amorphous carbon:silver nanocomposite films” “Surface patterning of PDMS:argon ion bombardment and amorphous carbon film deposition” “Direct deposition and in-situ nitridation of Ti and Zr	International	Lille, France	Talks, Posters



		nanoparticles”			
5	21-23 September 2015	XXXI Panhellenic Conference on Solid State Physics and Materials Science “Amorphous Carbon Films for Protective and Solid Lubricant Applications”	Local	Thessaloniki, Greece	Talk
6	14-17 October 2014	Training School COST Action NAMABIO MP1005 “Syntesis and Characterization of Carbon Based Coating”	Local	Nicosia,Cyprus	Talk
7	27-31 May 2013	E-MRS Spring Meeting “Diamond-Like Carbon-Silver Nanocomposite Films for Solar Energy Harvesting Applications”	International	Strasburg, France	poster
8	22-25 September 2013	XXIX Panhellenic Conference on Solid State Physics and Materials Science “Optical and Mechanical Properties of Silicone-based Nanocomposites” “Nanomechanical Response of Silver Doped Amorphous Carbon Films” “Mechanics of Biological Nanocomposites: The Case of Nacre in Mediterranean Shells”	Local	Athens, Greece	Talk, Posters
9	3-6 July, 2012	9th International Conference on Nanosciences and Nanotechnologies - NN12 “Nanomechanics of binary and ternary Ti-Nb-Hf films for biomedical applications”	International	Thessaloniki, Greece	Poster
10	September 28-October 1, 2008	7th Panhellenic Polymers Conference “Synthesis of Block Copolymers with Poly (Methyl Methacrylate) and Poly (2-(Trimethylsilyloxy) Ethyl Methacrylate) [PMMA-b-(TMS-HEMA)”	Local	Ioannina, Greece	Poster

* 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	Twenty four (24) months, 1/03/2020 - 29/2/2022	“Design of Electrodes for Bio/Chemo/Electro-Treatment of Bilge Wastewater” and Acronym: “BC-ELECTRODES”,. Budget for Cyprus University of Technology: 54.000 €, Scientific Coordinator at Cyprus University of Technology: Associate Professor G. Constantinides - PhD, Department of Mechanical Engineering and Materials Science and Engineering, and general Scientific Project Manager: C. Varavvas, Manager Director of Ecofuel (Cyprus) Ltd, and budget: 150.000 €	Research Promotion Foundation Programmes under the Pillar of Research, Technological Development and Innovation System, Call identifier: DIDACTOR (POST DOCTORAL RESEARCHERS) call 2019	Postdoctoral Researcher
2	Twelve (12) months 1/01/2019 - 31/12/2019	“Utilization of CO ₂ through novelBioElectroCathode systems for production of biofuels (CH ₄ and Ethanol)” and Acronym: “BioElectroCathode”, Scientific Coordinator: Assistant Professor G. Vyrides – PhD, Department of Chemical Engineering/ Cyprus University of Technology	European Union under the Call identifier: M-ERA.NET call 2017	Postdoctoral Researcher
3	sixty four (64) months 02/01/2012 – 30/06/2015, 04/04/2016 – 31/12/2016, 01/01/2017 – 30/06/2017, 02/01/2018 –	NEW INFRASTRUCTURE /ΣΤΡΑΤΗΓΙΚΗ/0308/04 of DESMI 2008, , with Title: “Research Unit For Nanostructured Materials Systems”, as Researcher.Project Coordinator: Professor P. Kelires – PhD, Department of Mechanical Engineering and Materials Science and Engineering/ Cyprus University of Technology.	European Regional Development Fund, the European Social Fund, the Cohesion Fund and the Research Promotion Foundation of the Republic of Cyprus	Research Fellow and PhD candidate



	30/06/2018			
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**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	Academic year 2002-2003	Scholarship for excellence in academic performance. Ranked 1st in class for the first year of my studies	Greece State Scholarship Foundation (IKY)
2	Academic years 2012-2015	For PhD research, study in Materials Science and Engineering divisions	Cyprus State Scholarship Foundation (IKYK)
3	18-21 September 2016	Best Oral Presentation	Award at XXXI Panhellenic Conference on Solid State Physics and Materials Science, Ioannina, Greece