

## Academic Personnel Short Profile / Short CV

<b>University:</b>	Cyprus University of Technology
<b>Surname:</b>	Koutsokeras
<b>Name:</b>	Loukas
<b>Rank:</b>	Research Associate
<b>Faculty:</b>	Engineering and Technology
<b>Department:</b>	Mechanical Engineering and Materials Science and Engineering
<b>Scientific Domain: *</b>	Materials Science, Nanotechnology

*\* Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D	2010	University of Poitiers, University of Ioannina	Materials Physics Laboratory, Thin films Laboratory	Growth, Structure and electronic properties of ternary transition metal nitrides thin films.
B.Sc	2006	University of Ioannina	Materials Science and engineering	-

Employment history – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2011	Present	Cyprus University of Technology	Limassol, Cyprus	Research 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	2020	Effects of pre-treatment using waste quarry dust on the adherence of recycled tyre rubber particles to cementitious paste in rubberised concrete	Polydorou, T., Constantinides, G., Neocleous, K., Kyriakides, N, Koutsokeras, L, Chrysostomou, C., Hadjimitsis, D.	Construction and Building Materials	254	-
2	2020	Enhancing bioproduction and thermotolerance in <i>Saccharomyces cerevisiae</i> via cell immobilization on biochar: Application in a citrus peel waste biorefinery	Maria Kyriakou, Maria Patsalou, Nikolas Xiaris, Athanasios Tsevis, Loukas Koutsokeras, Georgios Constantinides, Michalis Koutinas	Renewable Energy	155	53-64
3	2020	Synthesis and characterization of hydrogenated diamond-like carbon (HDLC) nanocomposite films with metal (Ag, Cu) nanoparticles	Koutsokeras, L., Constantinou, M., Nikolaou, P., Constantinides, G., Kelires, P.	Materials	13	1753
4	2020	Methanogenesis Inhibition in Anaerobic Granular Sludge for the Generation of Volatile Fatty Acids from CO <sub>2</sub> and Zero Valent Iron	Samanides, C.G., Koutsokeras, L., Constantinides, G., Vyrides, I.	Frontiers in Energy Research	8	
5	2019	Biowaste-based biochar: A new strategy for fermentative bioethanol overproduction via whole-cell immobilization	Kyriakou, M., Chatziiona, V.K., Costa, C.N., (...), Constantinides, G., Koutinas, M.	Applied Energy	242	480-491
6	2018	Metal (Ag/Ti)-containing hydrogenated amorphous carbon nanocomposite films with enhanced nanoscratch	Constantinou, M., Nikolaou, P., Koutsokeras, L., Avgeropoulos, A., Moschovas, D., Varotsis,	Nanomaterials	8(4)	-

		resistance: Hybrid PECVD/PVD system and microstructural characteristics	C., Patsalas, P., Kelires, P., Constantinides, G			
7	2013	Broadband optical absorption of amorphous carbon/Ag nanocomposite films and its potential for solar harvesting applications	Zoubos, H., Koutsokeras, L.E., Anagnostopoulos, D.F., Lidorikis, E., Kalogirou, S.A., Wildes, A.R., Kelires, P.C., Patsalas, P.	Solar Energy Materials and Solar Cells	117	350-356
8	2013	Structure, electronic properties and electron energy loss spectra of transition metal nitride films	Koutsokeras, L.E., Matenoglou, G.M., Patsalas, P.	Thin Solid Films	528	49-52
9	2012	Nanocomposite catalysts producing durable, super-black carbon nanotube systems: Applications in solar thermal harvesting	Panagiotopoulos, N.T., Diamanti, E.K., Koutsokeras, L.E., Baikousi, M., Kordatos, E., Matikas, T.E., Gournis, D., Patsalas, P.	ACS Nano	6	10475-10485
10	2012	Intrinsic stress in ZrN thin films: Evaluation of grain boundary contribution from in situ wafer curvature and ex situ x-ray diffraction techniques	Koutsokeras, L.E., Abadias, G.	Journal of Applied Physics	111	

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	2011-2016	Research Unit for Nanostructured Materials Systems (RUNMS)	Research and Innovation Foundation Cyprus , EU and Republic of Cyprus	Research Team Member
2	2019-2020	Low Photon-Energy Up-Conversion induced Sensitized Photocurrent Generation in Organic Photodiodes EXCELLENCE/1216/0010 - LOSPHOGEN	Research and Innovation Foundation Cyprus , EU and Republic of Cyprus	Research Team Member
3	2020-	Utilization of CO2 through novel BioElectroCathode systems for production of biofuels (CH4 and ethanol) BELECTROCATHODE P2P/M-ERA.NET/0317/0008	Research and Innovation Foundation Cyprus , EU and Republic of Cyprus	Research Team Member
4	2019-2020	NANOWELD ENTEPRISES/0916/0030	Research and Innovation Foundation Cyprus , EU and Republic of Cyprus	Research Team Member
5	2019-	ENANOPRINT ENTEPRISES/0618/0013	Research and Innovation Foundation Cyprus , EU and Republic of Cyprus	Research Team Member

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

<b>Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent</b>				
<b>Ref. Number</b>	<b>Period</b>	<b>Organization</b>	<b>Title of Position or Service</b>	<b>Key Activities</b>
1	2020	MDPI Materials Journal	Reviewers Board	Reviewing of academic manuscripts