



### Academic Personnel Short Profile / Short CV

<b>University:</b>	Cyprus University of Technology
<b>Surname:</b>	Kapnisis
<b>Name:</b>	Konstantinos
<b>Rank/Position:</b>	Special Teaching Staff
<b>Faculty:</b>	Engineering and Technology
<b>Department:</b>	Mechanical Engineering and Materials Science and Engineering
<b>Scientific Domain: *</b>	Biomechanics and Biomaterials

*\* Field of Specialization*

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2015	Cyprus University of Technology	Mechanical Engineering and Materials Science & Engineering	Coronary Stents Crack and Corrode in vivo: A Structural Integrity and Tissue Inflammation Analysis
MSc	2009	Imperial College London	Bioengineering	Fluid Collection from the Human Eye
Diploma (BSc + MSc equivalent)	2007	National Technical University of Athens	Applied Mathematical and Physical Sciences	CT-based Attenuation Correction of SPECT Images



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

Period of employment		Employer	Location	Position
From	To			
2021	-	Cyprus University of Technology	Limassol, Cyprus	Special Teaching Staff
2015	2020	Cyprus University of Technology	Limassol, Cyprus	Teaching Fellow
2008	2020	Cyprus University of Technology	Limassol, Cyprus	Research Fellow

**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	2021	Age-related exosomal and endogenous expression patterns of miR-1, miR-133a, miR-133b and miR-206 in skeletal muscles	Chrystalla Mytidou, Andrie Koutsoulidou, Margarita Zachariou, Marianna Prokopi, Konstantinos Kapnisis, George Spyrou, Andreas Anayiotos, Leonidas A. Phylactou	Frontiers in Physiology, section Striated Muscle Physiology	12	2069
2	2021	miR-223-3p and miR-24-3p as novel serum-based biomarkers for Myotonic Dystrophy type 1.	Demetris Koutalianos, Andrie Koutsoulidou, Chrystalla Mytidou, Andrea C. Kakouri, Anastasis Oulas, Marios Tomazou, Tassos C. Kyriakides, Marianna Prokopi, Konstantinos Kapnisis, Nikoletta Nikolenko, Chris Turner, Anna Lusakowska, Katarzyna Janiszewska, George K. Papadimas, Constantinos Papadopoulos, Evangelia Kararizou, George M. Spyrou, Geneviève Gourdon, Eleni Zamba Papanicolaou, Grainne Gorman, Andreas	Molecular Therapy - Methods & Clinical Development	23	169-183

			Anayiotos, Hanns Lochmüller, Leonidas A. Phylactou			
3	2021	Fabrication of Hierarchical Multilayer Poly (Glycerol Sebacate Urethane) Scaffolds Based on Ice-Templating.	Andreas Samourides, Andreas Anayiotos, Konstantinos Kapnisis, Zacharoula Xenou, Vanessa Hearnden, Biqiong Chen.	Applied Sciences	11(11)	5004
4	2021	Muscle-derived exosomes encapsulate myomiRs and are involved in local skeletal muscle tissue communication	Chrystalla Mytidou, Andrie Koutsoulidou, Anna Katsioloudi, Marianna Prokopi, Konstantinos Kapnisis, Kyriaki Michailidou, Andreas Anayiotos, Leonidas A Phylactou	The FASEB Journal	35(2)	e2127 9
5	2021	Resveratrol loaded polymeric micelles for theranostic targeting of breast cancer cells	Yiota Gregoriou, Gregoria Gregoriou, Vural Yilmaz, Konstantinos Kapnisis, Marianna Prokopi, Andreas Anayiotos, Katerina Strati, Nikolas Dietis, Andreas I Constantinou, Chrysafis Andreou	Nanotheranostics	5(1)	113– 124
6	2019	The effects of stenting on hemorheological parameters: An in vitro investigation under various blood flow conditions	K. Kapnisis, H. Seidner, M. Prokopi, D. Pasiyas, C. Pitsillides, S. Pavlides, A. Anayiotos and E. Kaliviotis	Clinical Hemorheology and Microcirculation	72 (4)	375– 393



7	2016	In vivo monitoring of the inflammatory response in a stented mouse aorta model	Kapnisis KK, Pitsillides CM, Prokopi MS, Lapathitis G, Karaïskos C, Eleftheriou PC, Brott BC, Anderson PG, Lemons JE, Anayiotos AS	Biomedical Materials Research Part A	104A	227–238
8	2014	Multi-scale Mechanical Investigation of Stainless Steel and Cobalt-Chromium Stents	Konstantinos Kapnisis, Georgios Constantinides, Harry Georgiou, Daniel Cristea, Camelia Gabor, Daniel Munteanu, Brigitta Brott, Peter Anderson, Jack Lemons, Andreas Anayiotos	Mechanical Behavior of Biomedical Materials	40C	240–251
9	2013	Stent Overlapping and Geometric Curvature Influence the Structural Integrity and Surface Characteristics of Coronary Nitinol Stents	Konstantinos Kapnisis, Dina O. Halwani, Brigitta C. Brott, Peter G. Anderson, Jack E. Lemons and Andreas S. Anayiotos	Mechanical Behavior of Biomedical Materials	20	227–236
10	2009	Modeling aqueous humor collection from the human eye	Konstantinos Kapnisis, Mark Van Doormaal, C. Ross Ethier	Biomechanics	42 (15)	2454-7



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					
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\*Specify venue, geographic location etc



<b>Research Projects. List the five (5) more recent and other five (5) selected (max total 10)</b>				
<b>Ref. Number</b>	<b>Date</b>	<b>Title</b>	<b>Funded by</b>	<b>Project Role*</b>
1	July 2021 – June 2023	Development of novel medical-grade skincare products for oncology patients	Research & Innovation Foundation	Research and Management
2	July 2019 – June 2021	Is there a link between metal ion release and in-stent restenosis?	Research & Innovation Foundation	Main Researcher
3	June 2019 – Nov 2021	Microparticles and microRNAs in the fight against cancer: A novel diagnostic and therapeutic tool for the prevention and therapy of metastatic breast cancer	Research & Innovation Foundation	Research Team Member
4	Nov 2018 – Oct 2020	Nickel Leaching from Cardiovascular Stents: Development of an In Silico Toxicokinetic Model	Research & Innovation Foundation	Main Researcher
5	Dec 2018 – Dec 2020	Herbal essential oils: Potential for development as low-risk pesticides, plant growth promoters and produce sanitizers	Research & Innovation Foundation	Researcher
6	Sept 2017 – Sept 2019	Lactomezole, a safe and effective eradication therapy for H.Pylori without the use of antibiotics	EUREKA EUROSTARS	Researcher
7	Jan 2016 – Dec 2018	Solution Processed Next Generation Photovoltaics	H2020-ERC	Researcher
8	Dec 2014 – Dec 2015	Pre-clinical drug development of TR4 for the treatment of human carcinomas	EUREKA EUROSTARS	Researcher



9	Sept 2010 – Sept 2013	Implanted coronary artery stents crack and corrode: A structural integrity and tissue inflammation analysis	Research & Innovation Foundation	Main Researcher
10	Dec 2008 – Sep 2010	Biocorrosion and Biomechanical Analysis of Explant Devices	Research & Innovation Foundation	Research Team Member

*\*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	2021-	Imaging and Diagnostics (specialty section of Frontiers in Biomaterials Science	Review Editor	Editorial and Review Activities
2				
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**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	2013	A. G. LEVENTIS Foundation Scholarship	A. G. LEVENTIS Foundation
2	2012	A. G. LEVENTIS Foundation Scholarship	A. G. LEVENTIS Foundation
3	2009	Cyprus State Scholarship Foundation - PhD Scholarship Program	Cyprus State Scholarship Foundation
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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	2021	USPTO provisional patent: Title: Physiological based Pharmacokinetic (PBPK) modelling for Implant Toxicology Patent Application Number: US 63/193,947 Filing Date: 27/05/2021 Inventors: Konstantinos Kapnisis, Pavlos Stefanou and Andreas Anayiotos	IPR Protection
2	2021	Grant awarded by the Cyprus Research Promotion Foundation ((INDUSTRIAL-PROPERTY/0717/0034)	IPR Protection
3	2018	Grant awarded by the Cyprus Research Promotion Foundation (POST-DOC/0916/0237)	Ranked 1 <sup>st</sup> among 193 submitted proposals. Budget: €159,999
4	2019	Grant awarded by the Cyprus Research Promotion Foundation (INTERNATIONAL/USA/0118/0057)	Ranked 2 <sup>nd</sup> among 45 submitted proposals. Budget: €80,000
5	2010	Grant awarded by the Cyprus Research Promotion Foundation (ΠΕΝΕΚ/0609/78)	Budget: €105,000
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ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ  
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION

