

## Academic Personnel Short Profile / Short CV

<b>University:</b>	Cyprus University of Technology
<b>Surname:</b>	Kaliviotis
<b>Name:</b>	Efstathios
<b>Rank:</b>	Assistant Professor
<b>Faculty:</b>	Engineering and Technology
<b>Department:</b>	Mechanical Engineering and Materials Science and Engineering
<b>Scientific Domain: *</b>	Mechanical Engineering - Biomechanics

*\* Field of Specialization*

### Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD in Bio-Fluid Mechanics	2009	King's College London	Mechanical Engineering	Red Blood Cell Aggregation; Rheological and Microstructural Characteristics
MEng	2005	King's College London	Mechanical Engineering	Investigation of the Fluid Mechanics of Red Blood Cell Aggregation in Blood Flow

### Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
09-2014	Date	Cyprus University of Technology	Limassol, Cyprus	Assistant Professor
08-2009	08-2013	King's College London	London, UK	Lecturer
02/2009	06/2009	King's College London	London, UK	Postdoctoral 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	Surface tension driven flow of blood in a rectangular microfluidic channel: effect of erythrocyte aggregation	D. Pasiyas, A. Passos, G. Constantinides, S. Balabani and E. Kaliviotis	Physics of Fluids	Accepted	-
2	2019	The effects of stenting on hemorheological parameters: an in vitro investigation under various blood flow conditions	Kapnisis, K., Seidner, H., Prokopi, M., Pasiyas, D., Pitsillides, C., Anayiotos, A. and Kaliviotis E.,	Clinical Hemorheology and Microcirculation	72	DOI: 10.3233/CH-180540
3	2018	Local viscosity distribution in bifurcating microfluidic blood flows	E. Kaliviotis, Sherwood J., and Balabani S	Physics of Fluids	30	Doi.org/10.1063/1.5011373
4	2017	An Investigation on the Aggregation and Rheodynamics of Human Red Blood Cells Using High Performance Computations	Xu, D., Ji, C., Avital, E., E. Kaliviotis, Munjiza, A., Williams, J	Scientifica	2017	Doi.org/10.1155/2017/6524156
5	2017	Partitioning of red blood cell aggregates in bifurcating microscale flows	E. Kaliviotis, Sherwood J., and Balabani S	SCIENTIFIC REPORTS	7	DOI: 10.1038/srep44563
6	2016	Red blood cell aggregate flux in a bifurcating microchannel	E. Kaliviotis, Pasiyas D., Sherwood J., and Balabani S	Medical Engineering and Physics	48	23-30
7	2015	Mechanics of the red blood cell network	E. Kaliviotis	Journal of Cellular Biotechnology	1	37-43
8	2014	Spatial distributions of red blood cells significantly alter local haemodynamics	Sherwood, J. M., Holmes, D., E. Kaliviotis and Balabani, S.	<i>PLOS ONE</i>	9	Doi.org/10.1371/journal.pone.0100473
9	2013	Large scale simulation of red blood cell aggregation in shear flows	Xu, D., E. Kaliviotis, Munjiza, A., Avital, E., Ji, C. and Williams, J.	<i>Journal of Biomechanics</i>	46	1810-1817
10	2011	Blood viscosity modelling: Influence of aggregate network dynamics under transient conditions	E. Kaliviotis and Yianneskis M.	Biorheology	48	127-147

<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	2019	INFLAMMATION/COAGULATION - DISEASE ACTIVITY MONITORING DEVICE	RPF - EXCELLENCE HUBS 2018	Scientific/Project Coordinator
2	2018	FoodMC Cost Action CA15118	H2020	Cyprus Management Committee
3	2016	Blood fluid mechanics in the micro/nano scale	CUT	Scientific/Project Coordinator
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*\*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	09/2012-09/2013	L3T LTD – Lab-on-Chip - Point-of-Care Diagnostics	Scientific-Engineering Consultant	Consulting on Bio-MicroFluidics issues
2	2015- Date	Journal of Cellular Biotechnology	Member of the Editorial Board	
3	2019-Date	Clinical Hemorheology and Microcirculation	Member of the Editorial Board	
4	2019 - Date	ERCOFTAC	Member of the Steering Committee	
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