

CURRICULUM VITAE

PERSONAL INFORMATION	
Name	Kefala Ioanna
Birth date	16/11/1979
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EDUCATION	
Diploma:	<i>Chemical Engineering / National Technical University of Athens (NTUA)</i> 11/2003
A' MSc	<i>Computational Mechanics</i> <i>School of Chemical Engineering / National Technical University of Athens (NTUA)</i> 11/2005
B' MSc	<i>Automation Systems</i> <i>School of Mechanical Engineering/ National Technical University of Athens (NTUA)</i> 10/2008
C' MSc	<i>Microsystems and Nanodevices</i> <i>School of Applied Mathematical and Physical Sciences / National Technical University of Athens</i> 11/2015
PhD candidate	<i>BioMEMS</i> <i>School of Mechanical Engineering/ National Technical University of Athens (NTUA)</i> 27/01/2017
PUBLICATIONS	
1	G. D. Kaprou, G. Papadakis, D. Papageorgiou, G. Kokkoris, V. Papadopoulos, I. Kefala, E. Gizeli, A. Tserepi, "Miniaturized devices for isothermal DNA amplification addressing DNA diagnostics", <i>Microsystem Technologies</i> , 22, 1529, (2016).
2	V. E. Papadopoulos, G. Kokkoris, I. N. Kefala, A. Tserepi, "Comparison of continuous flow and static chamber μ PCR devices through a computational study: The potential of flexible polymeric substrates", <i>Microfluidics and Nanofluidics</i> , 19, 867 (2015).
3	I. N. Kefala, V. E. Papadopoulos, G. Karpou, G. Kokkoris, G. Papadakis, A. Tserepi, "A labyrinth split and merge micromixer for bioanalytical applications", <i>Microfluidics and Nanofluidics</i> , 19, 1047 (2015).

4	G. Kaprou, G. Papadakis, G. Kokkoris, V. Papadopoulos, I. Kefala, D. Papageorgiou, "Miniaturized devices towards an integrated lab-on-a-chip platform for DNA diagnostics," Proc. SPIE 9518, Bio-MEMS and Medical Microdevices II, 95180G (2015).
5	V. Papadopoulos, I. Kefala, G. Kokkoris, G. Kaprou, D. Moschou, G. Papadakis, E. Gizeli, and A. Tserepi, "A passive micromixer for enzymatic digestion of DNA", Microelectronic Engineering, 124, 42 (2014).

CONFERENCES

1	I. N. Kefala, V. E. Papadopoulos, G. Karpou, G. Kokkoris, A. Tserepi, "Design and process optimization in microfluidic devices for DNA amplification", 5th Micro and Nano Flows Conference, Politecnico di Milano, Milan, Italy, 11-14 September 2016 (oral).
2	G. Kokkoris, G. Papadakis, V. Papadopoulos, I. Kefala, G. Kaprou, D. Papageorgiou, E. Gizeli, A. Tserepi, "Microfluidics for an Integrated Lab-on-chip Platform for DNA diagnostics", SPIE Microtechnologies, Barcelona, Spain, 4 - 6 May 2015 (oral).
3	V. Papadopoulos, I. Kefala, G. Kaprou, G. Kokkoris, A. Tserepi, "Miniaturized DNA amplification devices towards Lab-on-a-chip Platforms for DNA diagnostics", 6th International Conference on Micro-Nanoelectronics, Nanotechnologies & MEMs, Athens, 4-7 October, 2015 (oral).
4	Ioanna Kefala, Vasileios Papadopoulos, George Kokkoris, Georgia Karpou, Despoina Moschou, George Papadakis, and Angeliki Tserepi, "Design of passive micromixer for the enzymatic digestion of DNA", 4th Micro and Nano Flows Conference, University College London, UK, 7-10 September 2014 (oral).
5	Vasileios Papadopoulos, Ioanna Kefala, George Kokkoris, and Angeliki Tserepi, "Continuous Flow vs. Stationary μ PCR Devices on Ultra Thin Polymeric Substrates", 4th Micro and Nano Flows Conference, University College London, UK, 7-10 September 2014 (oral).

OTHER SCIENTIFIC ACTIVITY

05/2016 – 06/2018:	H2020: "LoveFood2Market – A portable MicroNanoBioSystem and Instrument for ultra - fast analysis of pathogens in food: Innovation from LOVE-FOOD lab prototype to a precommercial instrument"
04/2015 – 08/2015 03/2014 – 09/2014:	"SYNERGASIA 2011-Converging Lamb wave sensors with microtechnologies towards an integrated Lab-on-chip for clinical diagnostics-LambSense"
04/2013 – 06/2013:	FP7: "LOVE FOOD – Love wave fully integrated Lab-on-Chip platform for food pathogen detection"

WORKING EXPERIENCE

01/2010 – 05/2016:	Software & Hardware Engineer , Solution & Innovation Engineering. Design and development of web applications, software and mechatronic systems.
03/2008 – 03/2010:	Assistant Consultant , Planwork Ltd Strategy & Development. <i>Development of business plans, economic models and mapping & optimization processes</i>
03/2006 – 03/2008:	Teacher , Institute of Adults Continual Education Ministry of Education, Greek Naval School of Petty Officers (GNSPO), 2nd Institute of Professional Training of Piraeus. <i>Lessons: Computer Science, Fluid Mechanics, Hydraulic Power, Fuels' Technology</i>
07/2001 - 09/2001:	Internship , Department of Biological Urban Wastewater Treatment, Water Supply and Sewerage Company of Karpenissi (DEYAK). <i>Qualitative and quantitative wastewater control</i>