

CURRICULUM VITAE

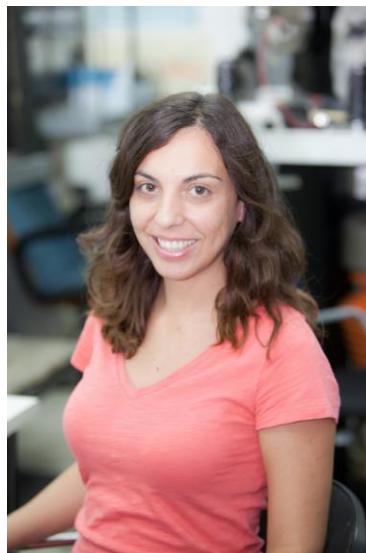
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EDUCATION

- Ph.D. in Applied Physics, Harvard University, USA (2006)
- M.Sc. in Applied Physics, Harvard University, USA (2002)
- B.Sc. in Electrical and Computer Engineering, National Technical University of Athens, Greece (2000)

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

08/2019 – present: Senior Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

06/2014 – 07/2019: Associate Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

09/2010 – 05/2014: Assistant Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

03/2009 – 08/2011: Adjunct Lecturer, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece

05/2008 – 08/2010: EU Marie Curie Postdoctoral Researcher, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece

10/2006 – 01/2008: Postdoctoral Associate, Chemistry Department, Massachusetts Institute of Technology, USA

02/2001 – 09/2006: Research and Teaching Assistant, School of Engineering and Applied Sciences, Harvard University, USA

MAIN RESEARCH INTERESTS

- Laser-matter interaction
- Nanophotonics
- Laser nanostructuring
- Pulsed laser deposition
- Chemical sensors
- Thin-film optoelectronic devices

EXTERNAL FUNDING

- Hellenic Ministry of Development (PI), 2019 – 2020
- EU Marie Curie Individual Fellowships (Supervisor), 2016 – 2018
- EU ERA.Net MED (Co-PI), 2016 – 2018
- EU COST Action MP 1302 (Substitute MC member), 2013 – 2017
- Greek Secretariat for Research and Technology KRIPIS-Polynano, 2013 – 2015
- EU ERA.Net Rus, Collaborative S&T Projects (Co-PI), 2013 – 2014
- EU COST Action MPNS 1205 (Substitute MC member), 2012 – 2016
- Latsis Foundation Grant for Scientific Studies (Coordinator), 2013
- EU COST Action MP0803 (Substitute MC member), 2012
- EU Marie Curie International Reintegration Grant (Researcher), 2008 – 2010
- Collaborations with Industry

TEACHING EXPERIENCE

- Seminars in Materials Science and Technology, Joint Master's Program, Materials Science and Technology, National Technical University of Athens, Greece, Spring 2012 – 2018.
- Laboratory Physics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, Spring 2010 – 2011.

- Laboratory in Modern Physics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, Autumn 2009.
- Laboratory Physics, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, Spring 2009.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

- Conference on Lasers and Electro-Optics (CLEO) 2019 and 2020 Program Committee "Light-matter interactions and materials processing", Optical Society of America, San Jose, CA USA.
- Micro and Nano Engineering (MNE) 2019 Conference International Program Committee, Rhodes, Greece (September 2019).
- Editorial Board Member, [Euro-Mediterranean Journal for Environmental Integration](#), 2015 – 2017.
- Managing Committee Member for the European Congress and Exhibition on Advanced Materials and Processes [EUROMAT 2017](#).
- Board member of the [Hellenic Society for the Science and Technology of Condensed Matter](#), 2014 – 2018.
- Organizing Committee Member for the 2nd Training Workshop on Advanced Material Characterization Techniques, November 2016, Athens, Greece.
- Member of the Optical Society (OSA) and Materials Research Society (MRS).
- Member of the European Technology Platform [Photonics 21](#).
- Member of the Technical Chamber of Greece.
- Reviewer for national and EU research proposals.
- Reviewer for scientific research journals in the fields of optics, materials, and applied physics.

AWARDS AND DISTINCTIONS

- M.Sc. thesis "Development of optoelectronic devices based on Si/ZnO nano-heterostructures", G. Chatzigiannakis, supervised by M. Kandyla and S. Gardelis, 1st prize for Best M.Sc. Thesis on Condensed Matter and Material Science, by the Hellenic Society for the Science and Technology of Condensed Matter, 2019.
- Paper "Thin films of PS/PS-b-PNIPAM and PS/PNIPAM polymer blends with tunable wettability", M. Kanidi, A. Papagiannopoulos, A. Skandalis, M. Kandyla, and S. Pispas, appeared on the [front cover of Journal of Polymer Science Part B: Polymer Physics](#), 2019.

- Paper "Laser induced forward transfer of conducting polymers", M. Kandyla, S. Chatzandroulis, and I. Zergioti, highlighted by [MIT Technology Review](#) and *Physics Today*, 2012.
- Invitation to participate to the World Materials Summit for energy and environmental science. Organizers: MRS, EMRS, and CMRS, USA, 2011.
- Postdoctoral Fellowship, Hellenic Scholarships Foundation, Materials Science and Technology Division, 2010.
- Paper "[Turning aluminum liquid in picoseconds](#)", M. Kandyla, T. Shih, and E. Mazur, selected by Optics and Photonics News (OSA) as one of the 30 most exciting optics papers in 2007.
- Fellowship from Watson Endowment Fund and Gordon McKay Endowment for graduate studies at Harvard University, 2001 – 2002.
- Fellowship from Jennings Scholarship Fund, Wright Scholarship Fund, and Watson Endowment Fund for graduate studies at Harvard University, 2000 – 2001.
- Scholarship from the Hellenic Scholarships Foundation for highest undergraduate academic achievement, 1998.
- Scholarship from the Technical Chamber of Greece for highest undergraduate academic achievement, 1997 – 1998.

SELECTED PUBLICATIONS

1. "Surface-enhanced Raman spectroscopy of graphene integrated in plasmonic silicon platforms with a three-dimensional nanotopography", M. Kanidi, A. Dagkli, N. Kelaidis, D. Palles, S. Aminalragia-Giamini, J. Marquez-Velasco, A. Colli, A. Dimoulas, E. Lidorikis, M. Kandyla, and E.I. Kamitsos, [Journal of Physical Chemistry C 123, 3076 \(2019\)](#).
2. "Real-time observation of a coherent lattice transformation into a high-symmetry phase", S.W. Teitelbaum, T. Shin, J.W. Wolfson, Y.-H. Cheng, I.J. Porter, M. Kandyla, and K.A. Nelson, [Physical Review X 8, 031081 \(2018\)](#).
3. "Plasmon enhanced optical tweezers with gold-coated black silicon", D.G. Kotsifaki, M. Kandyla, and P.G. Lagoudakis, [Scientific Reports 6, 26275 \(2016\)](#).
4. "Scalable fabrication of nanostructured p-Si/n-ZnO heterojunctions by femtosecond-laser processing", D.G. Georgiadou, M. Ulmeanu, M. Kompitsas, P. Argitis, and M. Kandyla, [Materials Research Express 1, 045902 \(2014\)](#).
5. "High-density regular arrays of nanometer-scale rods formed on silicon surfaces via femtosecond laser irradiation in water", M. Shen, J.E. Carey, C.H. Crouch, M. Kandyla, H.A. Stone, and E. Mazur, [Nano Letters 8, 2087 \(2008\)](#).

6. "Femtosecond dynamics of the laser-induced solid-to-liquid phase transition in aluminum", M. Kandyla, T. Shih, and E. Mazur, [Physical Review B 75, 214107 \(2007\)](#).

MORE DETAILS

This is an external link, which is not part of the NHRF website.

www.mkandyla.gr