

Personal information

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Date of Birth : 29th March 1993
Place of Birth : Athens, Greece
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Education

23/04/2019-30/10/2023 **University of Crete (UoC)**
Foundation for Research & Technology Hellas (FORTH)
Department of Materials Science and Technology
and Institute of Electronic Structure and Laser (IESL)-FORTH
Ph. D student
Dissertation topic: Linear and Nonlinear Optical Properties of Materials for the
Development of 3D Photonic Nanostructures at Telecommunication Wavelengths
Supervisor: Dr. Maria Farsari
PhD award date: 05/10/2023

15/09/2016-23/11/2018 **University of Crete (UoC)**
Department of Physics
Master of Science in Photonics and Nano-electronics

15/09/2011-20/07/2016 **University of Patras (UoP)**
Department of Physics
Bachelor of Science in Physics

11/09/2005-22/06/2011 **8th Gymnasium and 7th Lyceum of Nea Smyrni**
Secondary and High school education

Research experience

02/01/2025- today **Vilnius University (VU)**
Laser Research Center (LRC)
Laser NanoPhotonics Group
Postdoctoral researcher
Grant- VU Foundation's 2024 Young Scientist Co-funding

01/11/2023-31/03/2024 **Foundation for Research & Technology Hellas (FORTH)**
&
Institute of Electronic Structure and Laser (IESL)
01/07/2024-30/11/2024 Nonlinear Lithography group
Postdoctoral researcher

02/04/2024-30/06/2024 **Vilnius University (VU)**
Laser Research Center (LRC)
Laser NanoPhotonics Group
Visiting Postdoctoral researcher

Activities in research system

Teaching

01/02/2025-30/04/2025	Laboratory work of the Bachelor course “Nano- and Micro Technologies”, Faculty of Physics, Vilnius University
01/10/2020-31/01/2021	Teaching assistant at the “Optics and Electricity Laboratory”, Department of Materials Science and Technology, University of Crete.
01/10/2019-31/01/2020	Teaching assistant at the “Mechanics and Thermodynamics Laboratory”, Department of Materials Science and Technology, University of Crete.
01/10/2016-31/05/2017	Teaching assistant at the “Optics Laboratory,” Department of Physics, University of Crete.
01/09/2019-30/06/2023	Lab training of PhD, Master, and Bachelor students in Nonlinear Lithography group, IESL/FORTH

Supervision

01/01/2024-30/06/2025	2 students in their master’s project in Nonlinear Lithography group at IESL-FORTH 2 students in their bachelor’s project, Laser Nanophotonics group, LRC, VU
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Reviewer activities

01/01/2024-today	Reviewer in: “Journal of Optics and Laser Technology”, “Optics letters”, “Small Science” Co-reviewer in: “Nature Communications”
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Grants & Scholarships

02/01/2025-31/01/2026	VU Foundation's 2024 Young Scientist Co-funding
18/02/2025	Travel grants for researchers (Research Council of Lithuania)
01/05/2022-30/09/2023	The State Scholarships Foundation (I.K.Y.) Scholarship Program for PhD candidates in the Greek Universities. The implementation of the doctoral thesis was co-financed by Greece and the European Union (European Social Fund-ESF).

Short visits, secondments, and summer schools

15/07/2025-21/07/2025	EuroPhotonics Scholarship Seminar and workshop on “Materials and post-processes in multi-photon lithography for realizing spectrally adaptive 3D microstructures” at the Department of Physics, Polytechnic University of Catalonia
15/07/2024-15/08/2024	Secondment at Institute for Photon Science and Technology, University of Tokyo, Japan Research visit and seminar funded by H2020 MSCA-RISE-2020 Project CHARTIST (101007896)
19/04/2023-05/05/2023	Laserlab-Europe Access Grant (PID:23912) Research visit and seminar, Laser Research Center, Vilnius University (awarded during Ph. D)
02/02/2023-09/02/2023	Research visit University of California, Berkeley Laser Thermal Laboratory (prof. Costas P. Grigoropoulos)
25/06/2022-02/07/2022	Siegman International School on Lasers (travel grant by The Optica Foundation), University of Warsaw, Poland
27/07/2022-01/08/2022	Photonics meet Biology Summer School and Workshop , Spetses Island, Greece

Participation in the preparation of research proposals

Final decision : To be announced in February 2026	Horizon Europe (MSCA-2025 Post-Doctoral Fellowship) “Multi-photon Lithography and Advanced Materials Engineering for the Generation of Shaped Single and Multispectral Emission at the Nanoscale” PI: Dr. Dimitra Ladika, budget: ~150k€
13/06/2025-now Result: Granted	Research Council of Lithuania “Multi-Spectral Volumetric Teeth Microcracks Investigation” PI: Dr. Irma Dumbrytė, budget: 300k€
Final decision : 14/08/2025 Result: Rejected	Research Council of Lithuania “Femtosecond laser-enabled tunable 3D tumor microenvironment for immunomodulation of cancer-associated fibroblast” PI: Dr. Daiva Baltriukienė, budget :200k€

Participation in research projects

Start date : 2026	Dimensionally driven Insights for Nonlinear Optics and Engineered materials (DINE), funded under Horizon Europe MSCA Staff Exchanges (GA No 101235131)
01/01/2019-31/03/2024	High-Power Ultrafast LaSers using Tapered Double-Clad Fibre (PULSE) funded under H2020- EU.2.1.1 (GA No 824996)
01/01/2019-30/06/2022	Functional surface treatments using ultra-short pulse laser system (FemtoSurf) funded under H2020-EU.2.1.1. (GA No 825512)

Organization of international conferences

29/09/2024-04/10/2024	17 th International Conference on Laser Ablation
27/07/2022-01/08/2022	“Photonics meet Biology” Summer School and Workshop, Spetses Island, Greece

Experience in research communication

European Researcher’s Night at FORTH, September 2018-2019-2022, Crete

Attendance in international conferences

1. *Materials and post-processes in multi-photon lithography for realizing spectrally adaptive 3D microstructures.* **SPIE Photonics West**, January 17-22, 2026, San Francisco, United States **Invited**
2. *Hybrid photoresists in multi-photon lithography: optical properties and post-processing strategies.* **META 2025**, July 22-25, 2025, Malaga, Spain **Invited**
3. *Tailoring the optical properties of 3D photonic crystals coated with Aluminum Zinc Oxide in the telecommunication wavelength.* **META 2024**, July 16-19, 2024, Toyama, Japan **Invited**
4. *Three-dimensional photonic nanostructures as effective nonlinear devices at telecommunication spectrum.* **SPIE Photonics West**, January 28- February 2023, San Francisco, United States
5. *Photosensitized and non-photosensitized materials for multiphoton lithography.* **Open Readings**, April 23-26, 2024, Vilnius, Lithuania
6. *Tailoring the optical response of 3D-printed photonic crystals using Aluminum Zinc Oxide,* **CLEO®/Europe-EQEC**, June 26-30, 2023, Munich, Germany

7. *3D photonic devices developed via Multiphoton Lithography for application in telecommunication wavelengths*, **Photonics meet Biology Summer School and Workshop**, July 27– August 1, 2022, Spetses Island, Greece
8. *Triphenylamine-based aldehydes: Photoinitiators for multiphoton polymerization*. **SPIE Photonics West**, January 28- February 02, 2021 (virtual event)