

Personal Information	
First Name / Surname:	Theofylaktos Lazaros
Date of birth:	03/08/1988
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Education and training	
Bachelor's Degree:	<i>Department of Informatics, Aristotle University of Thessaloniki, GR (2006-2008, did not acquire a BSc)</i> <i>Physics Department, University of Ioannina, GR</i> <i>Date of Degree Receipt: 20/8/16</i>
Master's Degree:	<i>Materials' Chemistry</i> <i>Department of Chemistry, Aristotle University of Thessaloniki, GR</i> <i>Date of Receipt: 15/7/19</i>
Others	<i>NCSR Demokritos</i> <i>Maestro Training Program (12-15/02/2019)</i>
	<i>Aristotle University of Thessaloniki</i> <i>Certificate of Attendance on Adult Tutoring-Training-Education</i>
Related Projects or activities	
1	Lazaros Theofylaktos ¹ , Dimitrios K. Deligiannis ¹ , Konstantina Gkini ² , Maria Antoniadou ² , Nikos Balis ² , Polykarpos Falaras ² , Thomas Stergiopoulos^{1*} , « <i>Stabilization of the photoactive α-FA phase of FAPbI₃ (FA=formamidinium) perovskite with alkaline additives for highly efficient solar cells.</i> », Oral Presentation, 2nd Panhellenic Chemistry Conference for Master and Bachelor Students, 18-21 September 2018, A.U.Th., Thessaloniki, GR
2	Lazaros Theofylaktos, Kyro-Odyseas Kosmatos, Eleni Giannakaki, Eleni Kourti, Dimitris Deligiannis, Maria Konstantakou, Thomas Stergiopoulos*, Perovskites with d-block metals for solar energy applications , <i>Dalton Trans.</i> , 2019, 48 , 9516
3	Lazaros Theofylaktos, Kyro-Odyseas Kosmatos, Eleni Giannakaki, Eleni Kourti, Dimitris Deligiannis, Maria Konstantakou, Thomas Stergiopoulos*, Methylammonium Chloride: A Key Additive for Highly Efficient, Stable and Up-scalable Perovskite Solar Cells , <i>Energy Environ. Mater.</i> , 2019, 2 , 79–92
4	L. Theofylaktos, E. Christopoulos, P. Falaras, T. Stergiopoulos*, Enhanced photoluminescence of Lead Halide Perovskite films through surface functionalization with SCN⁻ containing Ionic Liquid , Poster Presentation, 35 th Panhellenic Conference on Solid State Physics and Materials Science, 26-29/9/2021, N.C.S.R. Demokritos, Athens, GR

Research Activity

Mr L. Theofylaktos is an MSc in Physical Chemistry, with *specialization in synthesis and characterization of several perovskite compound films using various optical and electrochemical techniques*, with utter goal their implementation in photovoltaic applications. He is experienced in *creating and running a lab* for the above synthesis and characterization purposes, since he participated in the creation of a small-scale synthesis lab during his master's degree in A.U.Th., and a large scale one for synthesis and characterization during his Ph.D. studies in N.C.S.R. Demokritos. He is experienced in several *perovskite film synthetic methods* (one step, two step etc), microscopic, uv-vis, PL, J-V, SEM *characterization of perovskite films*, and quite familiar with XRD and IR analyses.

Participation in scientific meetings – seminars – schools:

- 2nd Panhellenic Chemistry Conference for Master and Bachelor Students
- MAESTRO Training Program for Marie Curie Fellows (NCSR Democritos)

Work experience

- **Physics, Chemistry, Math Tutor** (2016 to date)

Languages

Greek: Native language

English: Certificate of Proficiency in English (University of Cambridge and University of Michigan), Certificate of Competency in English (University of Cambridge)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C2 Proficient User	C2 Proficient User	C2 Proficient User	C2 Proficient User	C2 Proficient User

French: DELF B1-B2 (Second Oral Native)

Computer skills

Excellent knowledge of: The Internet and World Wide Web, Windows 98 to 10, DOS, Linux operating systems environments, Programming: C, C++, Python , Microsoft Office , Open Office, Computational Methods in Physics, Photoshop, OriginPro.