

# Valadorou Dimitra



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Physicist

## Personal Information

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## Education

<b>2015-2020</b>	B.Sc. Degree in Physics
Section	Condensed Matter Physics
	National and Kapodistrian University of Athens
Thesis	Electromechanical coupling of piezoelectric polyvinylidene fluoride (PVDF) composites within matrices of biocompatible polyvinyl alcohol (PVA) with nano-graphene plates (NGP) or g-carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )
<b>2020-present</b>	M.Sc. Degree in Microsystems and Nanodevices
	National Technical University of Athens
	School A.M.P.S. Department of Physics
Thesis	Sensor integration in organ-on-a-chip microfluidic platforms
	Institute of Nanoscience & Nanotechnology, NCSR "Demokritos"

## Publications

Received 18/12/2020 Revised 27/3/2021 Accepted 30/3/2021 Available 2/4/2021	<b>Thermal and electrical characterization of poly(vinyl)alcohol/poly(vinylidene fluoride) blends reinforced with nano – graphene platelets, Eirini Kolonelou, Eirini Loupou, Panagiotis A. Klonos, Elias Sakellis, Dimitra Valadorou, Apostolos Kyritsis, Anthony N. Papathanassiou, Polymer, 224, 123731.</b> <a href="https://doi.org/10.1016/j.polymer.2021.123731">https://doi.org/10.1016/j.polymer.2021.123731</a>
<b>Under Publication</b>	<b>Boosting the electro-mechanical coupling coefficient of piezoelectric (polyvinyl)alcohol – (polyvinylidene)fluoride blends by dispersing nano-graphene platelets, Dimitra Valadorou, Anthony N. Papathanassiou, Eirini Kolonelou, Elias Sakellis</b>

## Skills

### Software

Microsoft Office	●●●●●
Origin	●●●●○
AutoCAD	●●○○○
Inventor	●●○○○

### Languages

English	●●●●●	Proficiency of Michigan
French	●●●●●	Sorbonne C2
Spanish	●●○○○	Nivel B1
Greek	●●●●●	Fluent

## Seminars

<b>2021</b>	Workshop "Python Workshop with applications in Biomedical Engineering" IEEE NTUA
<b>2019</b>	54 <sup>th</sup> Summer School NCSR DEMOKRITOS
<b>2019</b>	Singularity Youth Event NCSR DEMOKRITOS
<b>2017</b>	52 <sup>th</sup> Summer School NCSR DEMOKRITOS
<b>2017</b>	5 <sup>th</sup> Hellenic forum for science, technology and innovation, NCSR DEMOKRITOS

## Volunteer Work

<b>2016-2019</b>	Remedial teaching of physics at 6 <sup>th</sup> high school of Kallithea
<b>2018</b>	Volunteer work at the information center of M.o.m. for the Mediterranean monk seal in Alonnisos
<b>2018</b>	European Researchers' Night NCSR DEMOKRITOS