

CURRICULUM VITAE

KYRIAKI SAVVA

CURRICULUM VITAE

NAME : Kyriaki Savva
DATE OF BIRTH : 01/08/86
PLACE OF BIRTH : Cyprus
NATIONALITY : cyriot
ADDRESS : Aiolou 9, Ammoudara 71414, Heraklion Crete, Greece
: Evagora Pallikaridi 2, Kampos 2863, Nicosia, Cyprus
e-mail : koulla_savva@hotmail.com
PHONE NUMBER : +306979850377, +35799353181

EDUCATION

2001-2004 : Lemythou High School Cyprus
2004-2009 : University of Crete, Bachelor degree in Physics
2010-2012 : University of Crete, Master degree in Microelectronics and Optoelectronics
2014-2018 : University of Crete, PhD degree in Physics
2016-today : Open University of Cyprus, Master degree in Environmental Conservation and Management

PROFESSIONAL-TEACHING EXPERIENCE

2009 : Teaching in the experimental high school Heraklion for the course Teaching Practice
2009 : Part time in the library of the University Department of Physics in Heraklion.
2009 : Thesis entitled «Study of the variability of stars emitting X-ray radiation» with professors Mr. Andreas Zeza and Pablo Reig.
2010 : Work as «office executive» in company Supertrust Estate Agents Ltd-BuySell Cyprus Real Estate Nicosia.
2011-2012 : Master Thesis entitled «Photochemical modification of graphene oxide using pulsed laser» with Professor Mr. Panagiotis Tzanetaki and Dr. Emmanuel Stratakis
2012-2014 : Graduate fellow in FORTH/IESL, Heraklion
2014-2018 : PhD thesis entitled « Laser assisted development of Graphene and Transition Metal Dichalcogenide nanomaterials » with Dr.Emmanuel Stratakis and Prof.Costas Fotakis

SEMINARS-WORKSHOPS

- 2002 : Training workshop on «Drugs and Youth» with participation of students from all schools of Cyprus took place in Ayia Napa.
- 2007 : Second Pancretan forum for voluntary blood donation and organ donation (Heraklion).
- 2008 : First Mediterranean Conference in Santorini «New technologies, telecommunications and the environment»
- 2009 : Astronomical conference for the International Year of Astronomy (Heraklion).
- 2012 : Summer school in Heraklion on «Bioinspired materials for solar energy utilization»
- 2015 : Scientific Seminar ELECTRONIC MICROSCOPY in Heraklion
- 2015 : Hint training school: BOTTOM-UP APPROACHES OF HYBRID MATERIALS: PREPARATION AND DESIGN
- 2016 : Visit in the Weizmann Institute of Science in Rehovot- Israel for two weeks for experimental work.
- 2016 : Poster presentation «Laser-induced photochemical modification of graphene oxide for Organic Photovoltaic Devices and electronic applications» in the Organic and Perovskite Solar Cells conference in Heraklion Crete 19-20 October
- 2016 : Poster presentation «Advanced photonic techniques for organic photovoltaic applications» in the 2nd Israel-Greece Joint meeting on Nanotechnology and Bionanoscience in Heraklion Crete 25-28 October.
- 2017 : Poster presentation «Characterization & Laser synthesis of 2D Transition Metal Dichalcogenides» in FORTH 13-14 October
- 2018 : Poster presentation «Laser fabrication of Transition-Metal Dichalcogenide based materials Nanostructures» in the 1st NanoBio Conference in Heraklion Crete 24-28 September

SCHOLARSHIPS

- 2004-2008 : Lemythou High School for the best graduating student in performance.
- 2006 : National scholarships foundation of Greece during the academic year 2004-2005 at the

2017-2018 Department of Physics, University of Crete in Heraklion.
: State Scholarship Foundation (IKY) within the framework of action “Doctoral research support” (5003404), ESPA 2014-2020 Program 2017-050-0504-10150

PRESENTATIONS

2003 : Schoolwork for the course science and environment on «The mine of asbestos and its effects on humans and the environment».

2009 : Presentation thesis entitled «Study of the variability of stars emitting X-ray radiation»

2012 : Master thesis presentation entitled «Photochemical modification of graphene oxide using pulsed laser»

2018 : PhD thesis presentation entitled «Laser assisted development of Graphene and Transition Metal Dichalcogenide nanomaterials»

PUBLICATIONS

2013 : E. Kymakis, **K. Savva**, M.M. Stylianakis, C. Fotakis, E. Stratakis, “Flexible Organic Photovoltaic Cells with In Situ Nonthermal Photoreduction of Spin-Coated Graphene Oxide Electrodes”, 2013

2013 : C. Petridis, Y-H .Lin, K. Savva, G. Eda, E. Kymakis, T.D. Anthopoulos, E. Stratakis “Post-fabrication, in situ laser reduction of graphene oxide devices”, Applied Physics Letters 102 (9), 093115 2013

2014 : E. Stratakis, **K. Savva**, D. Konios, C. Petridis, E. Kymakis, “Improving the efficiency of organic photovoltaics by tuning the work function of graphene oxide hole transporting layers”, Nanoscale 6 (12), 6925-6931, 2014

2014 : **K. Savva**, YH. Lin, C. Petridis, E. Kymakis, T.D. Anthopoulos, E. Stratakis, “In situ photo-induced chemical doping of solution-processed graphene oxide for electronic applications”, Journal of Materials Chemistry C 2 (29), 5931-5937, 2014

2015 : Dimitrios Konios, Constantinos Petridis, George Kakavelakis, Maria Sygletou, **Kyriaki Savva**, Emmanuel Stratakis, Emmanuel Kymakis, “Reduced graphene oxide micromesh electrodes for large area, flexible, organic photovoltaic devices”, Advanced Functional Materials 25 (15), 2213-2221, 2015

- 2015 : Minas M Stylianakis, Maria Sygletou, **Kyriaki Savva**, George Kakavelakis, Emmanuel Kymakis, Emmanuel Stratakis, “Photochemical Synthesis of Solution-Processable Graphene Derivatives with Tunable Bandgaps for Organic Solar Cells”, *Advanced Optical Materials* 3 (5), 658-666, 2015
- 2016 : D. Konios, G. Kakavelakis, C. Petridis, **K. Savva**, E. Stratakis, E. Kymakis, “Highly efficient organic photovoltaic devices utilizing work-function tuned graphene oxide derivatives as the anode and cathode charge extraction layers”, *Journal of Materials Chemistry A* 4 (5), 1612-1623, 2016
- 2016 Constantinos Petridis, Dimitrios Konios, Minas M Stylianakis, George Kakavelakis, Maria Sygletou, **Kyriaki Savva**, Pavlos Tzourmpakis, Miron Krassas, Naoum Vaenas, Emmanuel Stratakis, Emmanuel Kymakis, “Solution processed reduced graphene oxide electrodes for organic photovoltaics”, *Nanoscale Horizons* 1 (5), 375-382, 2016
- 2017 : C. Petridis, **K. Savva**, E. Kymakis, E. Stratakis, “Laser generated nanoparticles based photovoltaics”, *Journal of colloid and interface science* 489, 28-37, 2017
- 2017 : **K. Savva**, B. Višić, R. Popovitz-Biro, E.Stratakis, R. Tenne, “Short Pulse Laser Synthesis of Transition-Metal Dichalcogenide Nanostructures under Ambient Conditions “, *ACS Omega* 2 (6), 2649-2656, 2017

SKILLS AND EXPERTISE

- Photochemical synthesis of materials
 - Pulsed laser deposition of thin films on substrates (Si. glass etc)
 - Laser processing of 2D materials
 - Optical microscopy
 - Raman spectroscopy
 - UV-VIS spectroscopy
 - XRD measurements
-
- Excellent computer use.
 - Excellent knowledge of Greek.
 - Very good knowledge of English.