***PERSONAL INFORMATIONS***

***NAME:*** Irene Dousi

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 **STUDIES**

2018 **National Center for Scientific Research “Demokritos”**
Microscopy Seminar in the fields: Optical Microscopy, Spike Microscopy,

 Electron Microscopy and Metrology of Microscopy Images.

2019 **National Center for Scientific Research “Demokritos”**
Seminar on “Artificial intelligence and its applications in nanotechnology

 (nanoAl)

2001 **National Center for Scientific Research “Demokritos”**
Certificate of Computer’s Fluency use

2000 **National Center for Scientific Research “Demokritos”**

 First National Conference of Microelectronics, Microsystems
                      and Nanotechnology (MMN 2000)

1999 **University of Crete – Physics Department**

Physics degree

1999 **University of Crete – Physics Department**

 ***Specialization Degree in Microelectronics***

1998 **University of Crete – Physics Department**

Advanced Physics Summer school

1998 **National Center for Scientific Research “Demokritos”**

 Symposium: «Microelectronics in Greece: Possibilities for Industrial

 Exploitation».

1997 **University of Crete – Physics Department**

Advanced Physics Summer school

1996 **National Center for Scientific Research “Demokritos”**

 Summer seminar guidance and information on research topics
                      "Science and Technology".

 **AREAS OF STUDY**

1999 **University of Crete – Physics Department**

 Diploma thesis on : “Treatment of remote photodetectors GaAs/AlGaAs for optical

 Coupling.

1996 **Institute of Research and Technology of the University of Crete , Institute of**

 **Electronic structure and laser , Microelectronic research team (M.R.G)**

  Study and characterization of photovoltaic cells

  Study and research with the method of epitaxy with molecular beams (M.B.E)

  Study and research with the method of photolithography in a clean room

  Study with the method photoluminescence - photoreflectence

  Study with the D.L.T.S method

1996 **Institute of Research and Technology of the University of Crete , Institute of**

 **Electronic structure and laser.**

Participation in the Materials Science research team. Study of chemical analysis and

 strength of ceramic materials using Macintosh Mac Elastic program

**PUBLICATIONS**

* Marios G. Krokidis, Zara Molphy, Eleni K. Efthimiadou, Marianna Kokoli,Smaragda-Maria Argyri, Irini Dousi, Annalisa Masi, Kyriakos Papadopoulos, Andrew Kellett and Chryssostomos Chatgilialoglu**, Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of *N*-alkylacridones and *N*,*N′*-dialkyl-9,9′-biacridylidenes**, *Biomolecules* 2019**, 9,** 177

**PARTICIPATION IN CONFERENCES**

* A. Stavropoulou, I. Dousi, M. Krokidis, K. Papadopoulos, ***Free radical scavenging ability of hydroxylated trans-iminostilbenes***,, 20oPostgraduate program of Chemistry, Chemistry Department, University of Crete, Heraklion 25-27 June 2018.
* M.G. Krokidis, A. Stavropoulou, E. Efthimiadou, I. Dousi, K. Papadopoulos, 19th Postgraduate program, “Medicinal Chemistry: Drug Discovery and Design”, ***Radical scavenging activity and antiproliferative effect of N,N’-dialkyl-9,9'-dihydroacridines***, University of Patras, Greece, 20-22 September 2018.
	+ A. Stavropoulou, I. Dousi, M. Krokidis, K. Papadopoulos, ***Antioxidant activity of hydroxylated trans-iminostilbenes***, 19th Postgraduate program, “Medicinal Chemistry: Drug Discovery and Design”, University of Patras, Greece, 20-22 September 2018.

**JOB**

2021 – today **National Center for Scientific Research “Demokritos” , Institute of**

 **Nanoscience and Nanotechnology**

 In an organic position as a special technical scientist in the laboratory:

 “Photocatalytic Processes and Environmental Chemistry”

2014 – 2021 **National Center for Scientific Research “Demokritos” , Institute of**

 **Nanoscience and Nanotechnology**

 In an organic position as a special technical scientist in the laboratory “Free

 Radicals in Bio and Nano technology”.

2008-2009 **Public Ιnstitute of Vocational training in Marousi**

 Teaching staff for the winter semester 2008-2009 in the specialty: “Mobile

 telephony and telecommunications technician” and specifically in the theoretical

 course: “Analog Electronics”

* 1. **Public Ιnstitute of Vocational training in Marousi**

Teaching staff for the winter semester 2007 – 2008 in the specialty: “Telecommunication systems and information transmission technician” and specifically in the laboratory course: “ Elements of Mechanical Technology of Electronic Devices”

2002-2004 **National Center for Scientific Research “Demokritos” Institute of Material**

 **science**

 External collaborator in the framework of a research program in Microelectronics

 mask design, construction of microelectronic circuits and their processing –

 etching with a ion beam (ion milling machine)

 Research coordination and communication with suppliers for acquisition of raw

 materials.

 Creation, organization and equipment of the laboratory.

2000-2002 **National Center for Scientific Research “Demokritos” Institute of**

 **Microelectronics**

 External collaborator in the framework of a research program with object in the

 design and construction of gas detector

 **SCIENTIFIC ASSOCIATION**

  Union of Greek physicists

 **FOREIGN LANGUAGES**

  French (Certificat)

  English ( Lower)

 **COMPUTERS USE**

  FORTRAN

  MS DOS, WINDOWS

  WORD, EXCEL, ORIGIN, Microsim Eval 7.1 (PSPICE),

 MacElastic,Autocad 14, Αutocad 2000, Αutocad 2002, CorelDraw