***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