

Curriculum Vitae

PERSONAL INFORMATION

Danai Prokopiou

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Sex Female | Date of Birth 20/12/1993 | Nationality Greek

STUDIES

7/2018-
Today PhD Candidate in Inorganic Chemistry and Technology
National and Kapodistrian University of Athens, Department of Chemistry

6/2018-
10/2016 Master of Science (MSc) in Inorganic Chemistry and Industrial Applications
National and Kapodistrian University of Athens

GPA
9.56/10

10/2015 -
09/2011 Bachelor of Engineer Environmental and Natural Resources
Department of Environmental and Natural Resources Engineering TEI CRETE

GPA
7.4/10

RESEARCH EXPERIENCE

10/2016-
6/2018 MSc Diploma Thesis
«Synthesis Characterization and Biological Evaluation of Modified and non, Iron Oxide Magnetic nanoparticles for Biological Applications»
National Centre for Scientific Research (NCSR) Demokritos, Institute of Nanoscience and Nanotechnology (INN) in Athens

2/2018-
2/2018 Short Term Scientific Mission Radiomag-COST Action Research Study
«In vitro Biological Evaluation of Iron Oxide Magnetic Nanoparticles»
Department of Biomedical and Clinical Science, University of Florence

9/3/2020-
17/3/2020 Short Term Scientific Mission Nano2Clinic-COST Action Research Study, «In Vitro- In Vivo evaluation of radiolabeled mNPs and hyperthermia application»,
Vinča Institute of Nuclear Sciences, Laboratory for Radioisotopes, Belgrade, Serbia

TEACHING EXPERIENCE

Curriculum Vitae

Today
-01/2017

Laboratory Assistant of Inorganic Chemistry Courses
National and Kapodistrian University of Athens

PERSONAL SKILLS

Languages

- Greek Mother language
- English Certificate of Lower in English, City & Guilds

Scientific & Technical Skills

- FT-IR, UV-Vis Spectroscopy
- Dynamic Light Scattering (DLS)
- Synthesis of Metallic Nanoparticle and Nanopolymer
- Familiar with cell culture methods
- Cell proliferation Assay MTT and Wound healing assay
- Hemolysis assay

Digital competence

Proficient User of:

- Operating Systems: Microsoft
- Microsoft Office Suite: Word, Excel, PowerPoint
- Chemical structure modelling programs: ChemBioDraw, ChemDraw

Intermediate User of Data Analysis Programs:

- Origin Pro, Mat lab
- Ret screen
- Erdas Imagine
- AutoCAD

Basic knowledge of programming languages: Visual Basic

CERTIFICATIONS & SEMINARS

Curriculum Vitae

- Protection of Water Resources, Quality of Water, Department of Environmental and Natural Resources Engineering of Crete 6 May – 7 May 2013
- 50th Summer School, NCSR Demokritos, 6 June - 17 June 2015
- 52th Summer School, NCSR Demokritos, 3 -14 July 2017
- 5rd Hellenic Forum for Science, Technology and Innovation, NCSR Demokritos,5-7 July 2015
- MultiComp COST Action, Training School on Nanocomposites- Characterization and Properties, University of Bialystok, 12-15/6/2017
- Radiomag Training School, NCSR Demokritos, Athens, 21-24/11/2017
- RADIOMAG Annual Action Progress Conference & MC meeting in Timisoara (Romania), 22-23/3/2018
- Athens Conference on Advances in Chemistry (acac2018), National and Kapodistrian University of Athens 31/10-2/11/2018
- RADIOMAG Final Meeting, Villa Ruspoli, Florence, Italy 16-18/10/2018

PABLICATIONS

“Synthesis and characterization of modified magnetic nanoparticles as theranostic agents: *in vitro* safety assessment in healthy cells”, *Toxicology in Vitro* 72 (2021) 105094

- Scientific Interests
- Inorganic Chemistry
 - Science of Cancer
 - Nano biotechnology
 - Renewable Energy Sources
- Other
- Music
 - Sports-gymnastics
 - Reading books
 - Travelling