

Nikolaos Konios

Materials Scientist

CONTACT INFORMATION

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Date of birth: Jan 24, 1997
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OBJECTIVE

- Professional and trustworthy Materials scientist with several years of experience working in polymer chemistry projects for bachelor and master's thesis.
- Experience in tutoring junior high school students in maths and physics.
- Expanding knowledge in chemistry, teaching, computer and improve research and language skills.

EXPERIENCE

Bratislava, Slovakia
October 2022 - present

Researcher

Polymer Institute, Slovak Academy of Sciences

Supervisor: Dr. Jaroslav Mosnacek

Bratislava, Slovakia
May 2022 – September 2022

Research Intern

Polymer Institute, Slovak Academy of Sciences

"Modification of various surfaces with functional polymers using controlled polymerization techniques"

Supervisor: Dr. Jaroslav Mosnacek

Heraklion, Crete, Greece
Sep 2021 - Jun 2022

Online Tutor

Tutoring Junior High School students in mathematics and physics.

Heraklion, Crete, Greece
Oct 2021 - Dec 2021

Laboratory Assistant

Materials Science & Technology Department, University of Crete

Teaching undergraduate students emulsion and condensation polymerization.

Heraklion, Crete, Greece
Nov 2020 - Mar 2022

Researcher

University of Crete

Research Project: "Active Flexible Packaging with Antimicrobial Properties for Shelf-life extension of Selected Greek Cheeses"

EDUCATION

Heraklion, Crete, Greece
Sep 2019 - Mar 2022

Master of Science

Materials Science & Technology, University of Crete

Grade: 7.67/10

Master Thesis: "Antibacterial Polymer Coatings on Flexible Substrates"

Supervisor: Professor Vamvakaki Maria

Heraklion, Crete, Greece
Sep 2015 - Sep 2019

Bachelor of Science

Materials Science & Technology, University of Crete

Grade: 6.48/10

Bachelor Thesis: "Polymer Coated Spherical and Rod-like Inorganic Particles"

Supervisor: Professor Vamvakaki Maria

LANGUAGES

Greek

Native

English

Lower. Level B2, ECCE,
University of Michigan

German

Intermediate. Level B1,
Zertifikat Deutsch, Goethe
Institut

SKILLS

Teamwork

Teaching

Polymer Chemistry

Public presentation

Problem-Solving

Research

Communication

POLYMER SYNTHESIS & CHARACTERIZATION TECHNIQUES

- Heterogeneous Free Radical Polymerizations (Emulsion, Suspension, Dispersion)
 - Condensation Polymerization
 - Photo induced Atom Transfer Radical Polymerization
 - Thermogravimetric analysis (TGA)
 - Differential Scanning Calorimetry (DSC)
 - Nuclear Magnetic Resonance (NMR)
 - Scanning and Transmission Electron Microscopy (SEM,TEM)
 - Fourier Transform Infrared Spectroscopy (FT-IR)
 - Tensile studies on flexible substrates
 - Static Water Contact Angle
 - Ellipsometry
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CERTIFICATES

Computer Adequacy Certificate (Materials Science & Technology, University of Crete)

- Text editing
- Spreadsheet
- Internet services

CONFERENCES

13th Hellenic Polymer Society International Conference (December 12-16, 2021)

Poster presentation: "Antibacterial Polymer Coatings on Flexible Substrates"
