

Christos Fragkogiannis

Email: fragkogiannischristos@gmail.com

Mobile: (+30) 6986779957



Education

Ph.D. STUDENT IN MATERIAL SCIENCE 2023-PRESENT

University of Crete, Heraklion, Greece

Dissertation: "Structure-function relationships in polymeric mixed ionic-electronic conductors."

MASTER IN POLYMER AND COMPOSITE MATERIALS SCIENCE 2021-2023

**AND TECHNOLOGY, Department of Chemical Engineering,
University of Patras, Greece**

Dissertation: "Manufacture and characterization of graphene-based nanocomposites for electromagnetic shielding."

BSC IN MATERIAL SCIENCE 2017-2021

**Department of Material Science,
University of Patras, Greece**

Dissertation: "Graphene hybrids for electronic applications."

Work Experience

Ph.D. RESEARCHER 09/2023 - PRESENT

FORTH - IESL, Heraklion, Greece

Preparation, characterization and research in the field of polymeric mixed ionic-electronic conductors

RESEARCH AND DEVELOPMENT INTERN, 02/2023-04/2023
POLITECNICO DI TORINO, ITALY

- Preparation of epoxy matrices derived from cardanol cured by polyfunctional amines.
- Characterization of the cardanolepoxy networks: FTIR spectroscopy, thermal and mechanical properties.
- Preparation and characterization of composites with cellulosic microfibrils.

LAB/TEACHING ASSISTANT 2nd Semester of 2021-22

UNIVERSITY OF PATRAS, GREECE

Lab/Teaching assistant at the University of Patras, Department of Material Science, on subjects: Material Science III and Advanced Materials Chemistry

RESEARCH AND DEVELOPMENT INTERN 07/2021-09/2021

OF CHEMICAL ENGINEERING SCIENCES (ICE-HT), GREECE

Radiation damping control of polarized Raman spectra of non-isotropic polymer composites specimens with carbon nanostructures.

Publications

- Spin-Injection in Graphene: An EPR and Raman Study. **Christos Fragkogiannis**, Loukas Belles, Dimitrios P. Gournis, Yiannis Deligiannakis and Vasilios Georgakilas. Chemistry – A European Journal, e202301720.
- Highly elastic conductive melamine graphene/MWNT hybrid sponge for sensor application. **Christos Fragkogiannis**, Apostolos Koutsoukis, and Vasilios Georgakilas, Molecules 2022, 27(11), 3530.

Conferences and seminars

13th Hellenic Polymer Society International Conference

"Poly (ethylene terephthalate) carbon-based nanocomposites: a crystallization and molecular orientation study of twisted filament yarns for potential application in protective textiles", V. F. Alexiou, G. N. Mathioudakis, K. S. Andrikopoulos, I. Kizlaridis, V. Polychronos, **Ch. Fragkogiannis**, A. Soto Beobide and G. A. Voyiatzis, (poster presentation).

Team-work oriented |
Organizational and planning
skills | Excellent communication
skills | Good listener and
communicator | Attention to
detail | Planning & Time
management

Languages

Greek, native
English, excellent

Digital Skills

Microsoft Office
OriginPro
Matlab – MathWorks
Wolfram Mathematica
Autodesk Fusion 360
Ultimaker Cura

References

Available upon request