

Contact Information

Email

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St. Lucas, Kavala 65404,
Greece

Phone

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Skills

- Chemical Technology
- Sorption
- Wastewater Treatment
- Materials Science
- Characterizations

Languages

English

C2

French

C1

Italian

C1

Dr. George Z. Kyzas



Adjunct Professor

Hephaestus Advanced Laboratory, Eastern Macedonia and Thrace
Institute of Technology, Kavala, Greece

Experience

Eastern Macedonia and Thrace Institute of Technology

Drama, Greece
September-2009
Currently

● Adjunct Professor

2009-today

Department of Oenology and Beverage Technology

Undergraduate courses (BSc):

- General Inorganic Chemistry
- Quantitative Chemical Analysis
- Wastes management
- Physical Processes

2017-today

**Department of Petroleum, Natural Gas Technology and
Mechanical Engineering**

Undergraduate courses (BSc):

- Advanced Materials

PostGraduate courses (MSc, MPhil):

- Nanomaterials (MPhil in Nanotechnology)
- Oil-spills and Environment (MSc in Oil and Gas
Technology)

Hellenic Open University

Patras, Greece
September-2017
Currently

● Adjunct Professor

Faculty of Science and Technology

PostGraduate course (MSc):

- Wastewaters Management (MSc in Wastes
Management)

InterBalcan Institute of Public Administration (I.I.P.A.)

Thessaloniki, Greece
January-2012
June-2012

● Instructor

Courses:

- Medical Wastes Management
- Management of natural resources for
prevention/treatment of natural disasters
(INTERREG III GeoPromotion)

Hellenic Army

Trikala, Greece
September-2011
May-2012

● Lecturer

Military School of Regular Officers

UnderGraduate course (BSc):

- Metallurgy

Ballis Dimitris & Son (Biological systems)

Sindos, Thessaloniki,
Greece
July-2012
January-2015

● Head of Chemical Analysis Laboratory

Analysis of:

- Effluents from various industries
- BOD, COD, TOC
- SS, NO₂, NO₃, Color

Education

Department of Chemistry,
Aristotle University of
Thessaloniki, Greece

● **BSc in Chemistry**

BSc thesis: "Study of the reuse of flotated dye-samples on textile dyeing"

Department of Chemistry,
Aristotle University of
Thessaloniki, Greece

● **MSc in Industrial Chemistry**

MSc thesis: "Multiparametric study for the removal of environmental pollutants in sorptive beds"

Department of Chemistry,
Aristotle University of
Thessaloniki, Greece

● **PhD in Chemical Technology**

PhD thesis: "Dyes removal from aqueous systems with sorption process"

Projects

Now...

- **2018-21:** Nanoreinforced concrete for pavement deicing (EMaTTech, Greece)
- **2018-21:** Development of nanotechnology-enabled next-generation membranes and their applications in low-energy, zero liquid discharge desalination membrane system (EMaTTech, Greece)
- **2016-18:** Multifunctional super-adsorbent materials for efficient decontamination of oil spills and heavy metal effluents (EMaTTech, Greece)

...Past

- **2016:** Green composites and 3D objects (AUnTh, Greece)
- **2015:** Use of chitosan and its derivatives for drug nanoencapsulation and their application in ophthalmic formulations (AUnTh, Greece)
- **2014-15:** Advanced microextraction approaches based on novel nano- polymers to measure pharmaceuticals, personal care products and their transformation products in the aquatic environment (AUnTh, Greece)
- **2013-15:** Advanced Molecularly Imprinted Polymers (MIPs) as materials for the selective binding and recovery of various high-added value environmental targets with application to industrial-scale adsorption columns (AUnTh, Greece)
- **2013:** Implementation of monitoring programme of biotic and abiotic parameters and support of self supervision to the Lake Koronia Volvi (AUnTh, Greece)
- **2013-14:** Synthesis, characterization and application of novel polymeric biosorbents for the environmental-friendly removal of various pollutants from industrial effluents (AUnTh, Greece)
- **2012-13:** Nanocapillary (EMaTTech, Greece)
- **2011-13:** Preparation and characterization of plastic pipes with enhanced performance and thermal conductivity for geothermal applications of heating and cooling by using conductive nanoparticles (AUnTh, Greece)
- **2006-08:** Dyes removal from aqueous solutions by sorption onto molecularly imprinted polymers (MIPs) (AUnTh, Greece)
- **2005-06:** Pollutants removal from aqueous solutions with super-adsorbents materials (AUnTh, Greece)
- **2004-05:** Application of novel processes in the treatment of liquid textile industrial effluents (AUnTh, Greece)

AUnTh: Aristotle University of Thessaloniki, Greece

EMaTTech: Eastern Macedonia and Thrace Institute of Technology

Certifications & Courses

- **American Chemical Society** (ID: 30067364)
- **Society for Molecular Imprinting** (SMI)
- **Society of Petroleum Engineers** (ID: 4082498)
- **Association of Greek Chemists** (ID: 14214)
- **International Adsorption Society** (ID: 198)

- **Swiss Chemical Society** (ID: 107561)
 - **Official delegate** of Association of Greek Chemists for the period 2017-2020 in the Division of Solid State and Materials Chemistry in **European Association for Chemical and Molecular Sciences (EuCheMS)**
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Honors & Awards

- **2016-2018 PostDoc Fellow** (Stavros Niarchos Foundation, Greece)
 - **2013-2015 PostDoc Fellow** (IKY State Scholarships Foundation of Greece)
 - **2013 PostDoc Fellow** (Research Committee of ARistotle University of Thessaloniki, Greece)
 - **2009 PhD Fellow** (Research Committee of ARistotle University of Thessaloniki, Greece)
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Publications

- **94 Papers** (*h-index 37, 3200 Citations*)
- **56 Presentations in Conferences**
- **27 Chapters in Books**
- **6 Books (Editor/Author)**
- **5 Guest Editor in Special Issues**
- **2 Teaching notes**
- **1 Patent**
- **~700 Reviews in 200 Journals**
- **25 Distinctions as Author**
- **10 Distinctions as Reviewer**
- **6 Editorial Board member**

Detailed list in <https://kyzas.wordpress.com/>

References

Dr. George Z. Kyzas (MSc, PhD)

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