

# Curriculum Vitae

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Name Zoi Christina Kampouraki  
Nationality Greek  
E-mail [zoikamp@gmail.com](mailto:zoikamp@gmail.com), [zoickamp@chem.auth.gr](mailto:zoickamp@chem.auth.gr)  
Date of birth 07/08/1994

## EDUCATION

12/2018 – Today PhD Candidate, Chemical and Environmental Technology, Department of Chemistry, Aristotle University of Thessaloniki

PhD Thesis «The role of water physical-chemical characteristics and water distribution **systems'** hydrodynamics in the development of biofilms»

2016-2018 **Master's Degree in Chemical and Environmental Technology**, Department of Chemistry, Aristotle University of Thessaloniki

Master Thesis «Desulfurization of fuels: effect of surface chemistry of activated carbons on 4,6-DMDBT removal by adsorption and advanced oxidation processes»

2012-2016 **Bachelor's Degree**, Department of Chemistry, Aristotle University of Thessaloniki

Bachelor Thesis «Nanocomposite materials of graphite oxide and polymeric materials: preparation and application in the removal of the endocrine disrupter Bisphenol-A from aqueous solutions by adsorption»

## Work Experience

12/2020-Today Scholarship - Hellenic Petroleum SA  
Chemist-Ph.D. Candidate

12/2020-5/21 Complex wetting phenomena  
«Wetting experiments on solid surfaces and diffusion of project results»

3/2020-11/2020 Innovative high efficiency boiler using "smart" heat transfer surfaces.

1/2019-2/2020 Interreg IPA CBC - GREECE-FYROM-Chemist  
«Pre-treatment of aqueous samples for the determination of heavy metals, pesticides and other toxic organic compounds»

16-20/6/2019 Organizing Committee, International Conference on Chemistry and the Environment, ICCE 2019,

7/2016 – 8/2016 Union of Agricultural Cooperatives, Soil and oil analyzer laboratory

## Foreign Languages

English Certification of Proficiency in English

German State certificate of linguistics (**B1**)  
Goethe-Zertificat (B1)

## CONFERENCE AND SEMI NAR ATTENDANCE

6-8/10/2023 **8ο Περιβαλλοντικό Συνέδριο Μακεδονίας, Θεσσαλονίκη**

16-18/1/2023 **Break Biofilms Conference, Vienna**

9-11/5/2022 Biofilms10, Ecology meets Technology, Leipzig Germany

29/9-1/10/2020 Biofilms9, Karlsruhe Institute of Technology, Online Conference, Germany

7/2019 Rheology Course, Staff Mobility

16-20/6/2019 «International Conference of Chemistry and Environment, ICCE».

- Thessaloniki, Greece  
15-16/12/2018 Seminar: CLP – REACH Regulation, Thessaloniki
- 2-3/11/2018 «**2nd Conference of Chemistry of Postgraduate and Undergraduate Students of Aristotle University of Thessaloniki**», Thessaloniki
- 5/2017 **22nd Panhellenic Conference of Chemistry**, Thessaloniki
- 19/5/2016 Processing of Aromatic Plants, Regional Department of Central Macedonia of the Association of Greek Chemists, Association of Chemists of Northern Greece and Thessaloniki Chamber of Commerce and Industry, Thessaloniki

## PUBLICATIONS

2023

Zoi Christina Kampouraki, Maria Petala, Konstantinos Zacharias, Avraam Konstantinidis, Xenophon Zabulis, Polykarpos Karamaounas, Margaritis Kostoglou and Thodoris D. Karapantsios. Highly sensitive resistance spectroscopy technique for online monitoring of biofilm growth on metallic surfaces. *Environmental Research* (accepted, October 2023).

**Μαλέα Ε., Καμπουράκη Ζ.Χ., Πεταλά Μ. και Καραπάντσιος Θ. ΜΕΛΕΤΗ διαβροχής βιοϋμενίων που αναπτύσσονται σε στερεές επιφάνειες. 8ο Περιβαλλοντικό Συνέδριο Μακεδονίας, Θεσσαλονίκη, Οκτώβριος 2023.**

Elisavet Malea, Tonia Fortunato, Maria Petala, Zoi Christina Kampouraki, Margaritis Kostoglou, Avraam Konstantinidis, Sergio Caserta and Thodoris Karapantsios. Effect of operating conditions on morphological and structural properties of biofilm covered surfaces in water systems. 37th conference of European Colloid & Interface Society, Naples, Italy, September 2023

Zoi Christina Kampouraki, Maria Petala, Avraam Konstantinidis and Thodoris D. Karapantsios. Monitoring the effect of flow dynamics on the morphology of pseudomonas fluorescens biofilms formed on stainless steel. Break Biofilms Conference, Vienna, January 2023

Zoi Christina Kampouraki, Elisavet Malea, Vasilios Tsiridis, Maria Petala, Margaritis Kostoglou and Thodoris D. Karapantsios. Wetting/spreading properties of biofilm covered surfaces. Break Biofilms Conference, Vienna, January 2023

Zoi Christina Kampouraki, Maria Petala, Avraam Konstantinidis, Konstantinos Zacharias and Thodoris D. Karapantsios. A highly sensitive non-intrusive electrical impedance technique for monitoring biofilm formation and development. Break Biofilms Conference, Vienna, January 2023

2022

Zoi Christina Kampouraki, Maria Petala, Alexia Tsigarida, Avraam Konstantinidis, Konstantinos Zacharias, Margaritis Kostoglou and Thodoris D. Karapantsios, A non-intrusive electrical impedance technique for monitoring P.fluorescens biofilm development on metallic surfaces, Biofilms10 Conference, May 2022, Leipzig, Germany.

Kampouraki, Z., Petala, M., Boumpakis, A., Skordaris, G., Michailidis, N., Deliyanni, E., Kostoglou, M. and Karapantsios, T., 2022. Wetting and Imbibition Characteristics of Pseudomonas fluorescens Biofilms Grown on Stainless Steel. *Langmuir*, 38(32), pp.9810-9821.

2020

Kyriazis Rekos, Zoi Christina Kampouraki et al. Adsorption of DBT and 4,6-DMDBT on nanoporous activated carbons: the role of surface chemistry and the solvent, *Environmental Science and Pollution Research*, 2020

- 2019 Zoi Christina Kampouraki et al. Metal Organic Frameworks as Desulfurization Adsorbents of DBT and 4,6-DMDBT from Fuels, *Molecules* 2019, 24, 4525
- Zoi Christina Kampouraki et al. Oxidative catalytic desulfurization of 4,6-DMDBT from model fuel by activated carbons: the key role of the surface chemistry, *Green Chem.*, 21, 2019, 6685–6698
- Kyriazis Rekos, Zoi Christina Kampouraki et al. Graphene Oxide Based Magnetic Nanocomposites with Polymers as Effective Bisphenol-A Nanoadsorbents, *Materials*, 12, 1987, June 2019
- Zoi Christina Kampouraki, et al. Catalytic oxidative desulfurization of 4,6-DMDBT in fuels by activated nanoporous carbons: the role of structural and surface chemistry features, Poster ICCE 2019, Thessaloniki
- Kyriazis Rekos, Zoi Christina Kampouraki, Victoria F. Samanidou, Eleni A Deliyanni Magnetic graphene oxide-polymer Nanocomposites as sorbents for bisphenol A, Poster ICCE 2019, Thessaloniki
- 2018 Zoi Christina Kampouraki, et al., Desulfurization of liquid fuels: Oxidative degradation of 4,6-DMDBT, 2nd Chemistry Conference of Postgraduate and Undergraduate Students of Aristotle University of Thessaloniki, Thessaloniki
- 2016 Rekos Kyriazis, Kampouraki Zoi Christina, Deliyanni Eleni Magnetic graphene oxide-polystyrene and magnetic activated carbon-polystyrene nanocomposites as sorbents for bisphenol A, EGU General Assembly 2016, held 17-22 April, 2016, Vienna Austria

#### MEMBER OF PROFESSIONAL ASSOCIATIONS

Greece Chemists Association