

Curriculum Vitae

Polyxeni Tsave
Chemist



Personal information

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Nationality: Greek

Education

02/2019-Today

PhD Candidate

PhD Candidate, Department of Chemistry, Aristotle University of Thessaloniki
PhD thesis: "Flotation of fine mineral particles"

Laboratory of Chemical and Environmental Technology, Department of Chemistry, Aristotle University of Thessaloniki

10/2016-12/2018

Master studies

Master's Degree in Chemistry, Department of Chemistry, Laboratory of Chemical and Environmental Technology, Aristotle University of Thessaloniki
Master Thesis: "Separation of plastic solid waste by flotation and its utilization in the preparation of sorbent materials."

Laboratory of Chemical and Environmental Technology, Department of Chemistry, Aristotle University of Thessaloniki

10/2014-7/2016

Master studies

Master's degree in Preservation and Restoration of Cultural Monuments. Direction B: Protection, Conservation and Restoration of Works of Art and Mechanisms, Interdepartmental Program of Postgraduate Studies, Faculty of Engineering-School of Architecture, Aristotle University of Thessaloniki
Master Thesis: "Investigation of Glass Tesserae Manufacturing Technology using Physicochemical Techniques"

09/2008-10/2013

Undergraduate Studies

Bachelor's Degree in Chemistry, University of Ioannina

Bachelor Thesis: "Anomalous diffusion upon decomposition of isopropanol on (ZrO₂)_{1-x}(CeO₂)_x catalysts"

Laboratory of Industrial Chemistry, Department of Chemistry, University of Ioannina

2008

High School Graduation (Degree 18,7/20)

Skills

Foreign Languages

English: Certificate of Proficiency in English, University of Michigan (C2)

Computer Software Skills

Windows, Microsoft Office, OriginLab, Graphpad, ChemDraw, SuperPro Designer, Python, Simulation in Extend4

Other

Driving license

Member of the Greek Chemists Association, since March 2013

Work experience

2019-today: Aristotle University of Thessaloniki, Experimental measurements execution and data analysis of an effective method for generation of micro-bubbles by water electrolysis on the project 'Innovative technologies and concepts for fine particle flotation: unlocking future fine-grained deposits and Critical Raw Materials resources for the EU' — 'FineFuture', H2020

10/2020: 7th Environmental Conference, Organizing committee of 7th Environmental Conference 30/10-1/11 2019, Thessaloniki.

6/2019: ICCE 2019, Organizing committee of International Conference on Chemistry and the Environment, 16-20 June 2019, Thessaloniki.

2013-2016: Assistance for undergraduate chemistry students and high school students.

2016-2017: Translations of Scientific Texts.

Publications

Polyxeni K. Tsave, Ioannis A. Stratis, Eleni Prokopiou, Eleutherios Charalambous, Nestor Tsirliganis, Nikolaos Kazakis, Investigation of Glass Tesserae Manufacturing in Cyprus with a Physicochemical Approach, 22th Panhellenic Chemistry Conference in Chemistry, Thessaloniki, Greece, 2-4 December, 2016.

Polyxeni K. Tsave, Ioannis A. Stratis, Eleni Prokopiou, Eleutherios Charalambous, Nestor Tsirliganis, Nikolaos Kazakis, Investigation of glass Tesserae technology in Akrotiri, Cyprus. Physico-chemical approaches, 11th Panhellenic Scientific Conference of Chemical Engineering, Thessaloniki, Greece, 25-27 May, 2017.

Tsave K.P., Lazaridis N.K., Separation of plastic solid waste by flotation and its utilization in the preparation of sorbent materials, 17th International Conference on Chemistry and the Environment, Thessaloniki, Greece, 16-20 June, 2019.

Tsave P.K., Kostoglou M., Karapantsios T.D., Lazaridis N.K, Design of a hybrid flotation column for fine magnesite particles, Young scientists online conference- Mineral Resources- Environment- Chemical Engineering, Kozani, Western Macedonia, February 26-28, 2021.

Tsave P.K., Kostoglou M., Karapantsios T.D., Lazaridis N.K, Design of a hybrid mechanical flotation system for enhancing fine mineral particles, Athens Conference on Advances in Chemistry (ACAC2020), Athens, March 10-14, 2021.

Tsave P.K., Kostoglou M., Karapantsios T.D., Lazaridis N.K, Design of a flotation column equipped with a microbubble generator for fine magnesite particles recovery, 4th Conference in Chemistry for postgraduate and undergraduate students, Thessaloniki, March 20-21, 2021.