

Zeynep Kap

Chemist M.S., Project Engineer at OzensoyLab
Bilkent University, Department of Chemistry
Ankara, Turkey
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Education

2016 - 2018

Master of Science in Chemistry
Bilkent University, Ankara, Turkey
Supervisor: Dr. Ferdi Karadaş

2011 - 2016

Bachelor of Science in Chemistry
Bilkent University, Ankara, Turkey

Research Experience

2018 - Present

Catalysts for Ionic Liquid Decomposition
Supervisor: Dr. Emrah Özensoy

2015 - 2018

Thesis title: Inorganic / Polymeric Assemblies as Catalysts for Water Splitting
Supervisor: Dr. Ferdi Karadaş

2014 - 2015

Electrochemical Energy Storage and Lithium Ion Batteries
Supervisor: Dr. Eda Yılmaz

Publications

1- Zeynep Kap, Ferdi Karadas

'Visible Light-Driven Water Oxidation with a Ruthenium Sensitizer and a Cobalt-Based Catalyst Connected with a Polymeric Platform' Faraday Discuss., 2019, Advance Article.

2- Zeynep Kap, Emine Ülker, Satya Vijaya Kumar Nune, Ferdi Karadas

'Electrocatalytic hydrogen evolution with cobalt-poly(4-vinylpyridine) metallopolymers' Journal of Applied Electrochemistry, 2018, 48: 201-209.

Work Experience

2018 - Present

Project Engineer at Bilkent University

2016 - 2018

Teaching Assistant at Bilkent University

2015

Intern at Bilim Pharmaceuticals, Quality and Control Laboratory

2015

Intern at University of Lodz, Poland, Department of Chemistry

2015

Student Organizer at Anatolian Conference on Synthetic Organic Chemistry

2014 - 2015

Undergraduate Researcher at National Nanotechnology Research Center

2012 - 2015

Volleyball Coach at Pilten Volleyball Club

Conference Presentations

Artificial Photosynthesis Faraday Discussion, United Kingdom, 2019 - Poster Presentation
Chemistry for Young Scientists, Belgium, 2018 - Poster Presentation

Awards & Honors

TUBITAK (The Scientific and Technological Research Council of Turkey) Graduate Fellowship (2017-2018)
Bilkent University Honor Certificate (2013-2014)
Bilkent University Full Undergraduate Scholarship (2011-2016)

Hands-on Instrumental Experience

Attenuated Total Reflectance-ATR, Multipurpose X-Ray Diffractometer-XRD, X-Ray Photoelectron Spectroscopy-XPS, UV-Visible Spectroscopy, BET Surface Analysis, CHNS-O Elemental Analysis, Nuclear Magnetic Resonance (¹H-NMR) Scanning Electron Microscopy-SEM, Thermal Gravimetric Analysis-TGA, Gas Chromatography, Gamry Instruments

Synchrotron Facilities: SOLEIL Synchrotron, XANES/EXAFS Beamline, Saint-Aubin, France (2020, Jan-Feb)

Computer Skills

Microsoft Office
Origin
MatLab
ChemDraw
MestReNova
ImageJ

Languages

Turkish (Native)
English (Fluent)
Russian (Basic)
Sign Language (Introductory)

Social Activities & Hobbies

Member of Squash Team, Bilkent University, 2015 - 2016
Member of Woman Volleyball Team, Bilkent University, 2011 - 2016
Member of Outdoor Sports Society, Bilkent University, 2011 - 2016
Tennis, trekking, oil painting

References

Dr. Emrah Özensoy, Associate Professor of Chemistry at Bilkent University, Ankara, Turkey
E-mail: ozensoy@fen.bilkent.edu.tr
Dr. Ferdi Karadaş, Assistant Professor of Chemistry at Bilkent University, Ankara, Turkey
E-mail: karadas@fen.bilkent.edu.tr