

# GÜNSEV DIZOĞLU

CHEMICAL ENGINEER, RESEARCH ASSISTANT

## EXPERIENCE

### Eti Maden Operations Bandırma Boron ve Acid Factories Plant

Internship Student | Jun, 2015 - July 2015, Bandırma  
Production Intern  
Bandırma/Balıkesir, TÜRKİYE

### TÜPRAŞ İzmir Aliağa Refinery

Internship Student | Jun, 2016 - Aug, 2016, İzmir  
Production Intern at CCR Reformer Unit  
İzmir/Aliağa, TÜRKİYE

### Department of Chemical and Environmental Engineering

The University of Kitakyushu, JAPAN | Feb, 2017 - Mar, 2017, city  
Diploma Project Student (TUBİTAK), Researcher in the Laboratory  
Kitakyushu, JAPAN

### Department of Chemical Engineering

MSc Student | Sep, 2017 - Sep, 2019, İzmir  
Ege University

### Department of Chemical Engineering

Research and Teaching Assistant | Apr, 2019 - Present, İzmir  
İzmir Institute of Technology (IZTECH)

## EDUCATION

### İzmir Institute of Technology

Ph.D. - Chemical Engineering | 2019 - Present, İzmir  
GPA: 4.00/4.00 (ongoing)

### Ege University

M.Sc. - Chemical Engineering | 2017 - 2019, İzmir  
GPA: 3.95/4.00

### Ege University

B.Sc. Chemical Engineering | 2013 - 2017, İzmir  
GPA: 3.7/4.00 (First rank)

### Ege University

Preparatory Class | 2012 - 2013

### Bandırma Anatolian High School

2009 - 2012



## PERSONAL DETAILS

- + Date of birth: May 25, 1994  
Nationality: Turkish
- ✉ gunsevdizoglu@iyte.edu.tr
- ☎ +90 232 750 66 80
- 📍 İzmir Institute of Technology  
Department of Chemical Engineering  
Office number: 118  
Urla, 35430 İzmir/Turkey

## RESEARCH FIELDS

- Use, synthesis and characterization of heterogeneous catalysts
- Conversion of biomass into valuable chemicals
- Esterification, acetylation reactions and product analysis

## IT PROFICIENCY

Origin  
Matlab&Simulink  
Aspen/Hysys  
MS Office 2003-2016 Windows

## LANGUAGES

Turkish: Native Language  
English: Professional working proficiency

## PROJECT EXPERIENCES

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**2016 - 2017**

### **Bachelor's Thesis Project**

Project Title: Recovery of lithium and boron from geothermal water with adsorption-electrodialysis hybrid process, İzmir & Japan  
Project No: 214M360 (TUBİTAK)  
Ege University & The University of Kitakyushu

**2017 - 2019**

### **Master's Thesis Project**

Thesis Title: Synthesis of triacetin using activated carbon-zirconium based metal organic framework composite materials,  
Ege University

**2022 - 2023**

### **Scientific Research Projects, IZTECH**

Project Title: , Development of Solid Acid Catalysts for the Conversion of Sorbitol to Isosorbide  
Project No: 2022IYTE-1-0023  
Izmir Institute of Technology

## SYMPOSIUMS, CONGRESS AND CONFERENCES

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-Poster presentation- **G. Dizoğlu**, B. Sevil, N. Kabay, M. Yüksel, I. İPEK, . K. Yoshizuka, S.Nishihama, A Comparative Study for Separation of Lithium and Boron from Aqueous Solution by Bipolar Membrane Electrodialysis (BMED) and Adsorption-Membrane Filtration Hybrid Method,, 2017, İzmir/TÜRKİYE

-Organizing committee, G. Rothenberg, S. Yılmaz, B. Çağlar, A. Arıkaya, **G. Dizoğlu**, M. Mekkering, F. Pope. Catalysis – A Key to Sustainability, September 12-14, 2022. İzmir/TÜRKİYE

-Poster presentation – **G. Dizoğlu**, B. Sezgin, B. Özcan, S. Yılmaz, Development of Solid Acid Catalysts for Sorbitol Conversion to Isosorbide– A Key to Sustainability. September 12-14, 2022. İzmir/TÜRKİYE.

-Poster presentation – **G. Dizoğlu**, S. Yılmaz, Development of Solid Acid Catalysts for Isosorbide Synthesis by Sorbitol Dehydration– A Key to Sustainability. September 13, 2023. The UvA, Amsterdam/NETHERLANDS.

## PUBLICATIONS

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**Dizoğlu, G.**, & Sert, E. (2020). Fuel additive synthesis by acetylation of glycerol using activated carbon/UiO-66 composite materials. Fuel, 281, 118584.

## ASSISTED COURSES

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- Chemical Engineering Laboratory I
- Chemical Engineering Laboratory II
- Mathematical Modeling in Engineering
- Heat and Mass Transfer
- Process Dynamics and Control