

**Emre DEĞİRMENÇİ**

**Adress:** Atatürk Mah. 859 Sok. No:30 kat:4  
Bornova-İzmir-TÜRKİYE  
**Phone :** +90 534 323 22 12  
**E-mail :** emredegirmenci92@gmail.com & emredegirmenci@iyte.edu.tr

**Personal Information**

**Education:** Ph.D. Student  
**Marital status:** Single  
**Military Status:** Done  
**Nationality:** Türkiye  
**Birthday:** 04.06.1992  
**Birthplace:** İzmir - TÜRKİYE  
**Driving License:** B (2011)

**Educational Information**

**University (PhD)** **İzmir Institute of Technology**  
01.2019 - continues Graduate School of Engineering and Sciences Chemical – Engineering (English)

**University (MSc)** **İzmir Institute of Technology**  
09.2016 - 12.2018 Graduate School of Engineering and Sciences – Chemical Engineering (English)

**University (Bachelor's Degree)** **İzmir Institute of Technology**  
09.2010 - 06.2016 Faculty of Engineering – Chemical Engineering (English)

**High School** **Suphi Koyuncuoğlu Anatolian High School**  
09.2006 - 06.2010

**Work and Internship Experiences**

Research Assistant - İzmir Institute of Technology – Chemical Engineering Department  
İzmir – Türkiye - 06.2018 - Continues.

Engineering Intern - DYO Paint Factories Industry and Trade Inc.  
İzmir – Türkiye - 08.2014

Engineering Intern - ENERCON AERO Wind Industry Inc.  
İzmir – Türkiye - 06.2013

**Foreign Language**

English	Reading	Writing	Speaking	Place Learned
	Advance	Advance	Advance	School

**Skills**

**Computer Skills:** Microsoft Office, Matlab, Polymath, Fortran77 programming language, Mathcad, Aspen Plus, CHEMKIN PRO, Cantera

**Certificate and Participation Information:****Effective Communication, Body Language and Time Management**

Republic of Turkey Ministry of Youth and Sports

İzmir – Türkiye - 03.2012

## Projects

### Master Thesis

**Topic:** Detailed Chemical Kinetic Modeling of n-Heptane Flame  
İzmir Institute of Technology - 12.2018

### Chemical Engineering Design Project

**Topic:** Sustainable Energy Campus Design  
İzmir Institute of Technology - 06.2016

### Bachelor's Degree Graduation project

**Topic:** Design of Micelle Embedded Chitosan Nano-composites for Targeted Delivery of Hydrophobic Drugs  
İzmir Institute of Technology - 06.2015

## National and International Proceedings

### 22<sup>nd</sup> Thermal Science and Technology Congress

**Topic:** Detailed Chemical Kinetic Modeling of the Effects of Methanol Addition on the Formation of Aromatic and Polycyclic Aromatic Hydrocarbon in Premixed n-Heptane Flame  
Kocaeli - Türkiye - 09.2019

### 7<sup>th</sup> International Conference on Renewable Fuels, Combustion and Fire (FCE19)

**Topic 1:** Kinetic Modeling of Fuel-Rich n-Heptane Combustion  
**Topic 2:** Detailed Chemical Kinetic Modeling of the Effects of Methanol Addition on n-Heptane Oxidation  
Antalya - Türkiye - 03.2019

### 14<sup>th</sup> International Combustion Symposium (INCOS2018) (bildiri)

**Topic:** Detailed Chemical Kinetic Modeling of n-Heptane Combustion  
Karabük - Türkiye - 04.2018

### International Porous Powder Materials Symposium & Exhibition (poster sunumu ile)

**Topic:** Design of Micelle Embedded Chitosan Nano-composites for Targeted Delivery of Hydrophobic Drugs  
İzmir - Türkiye - 09.2015

### National Chemical Engineering Student Congress

**Topic:** Sol - Jel ile hazırlanmış Titanya Tozlarına P-25 Katkısının Fotokatalitik Özelliklere etkisi  
Ankara - Türkiye - 05.2013

## Publications

- Degirmenci, E.; Alazreg, A.; Inal, F., Detailed chemical kinetic modeling of fuel-rich n-heptane flame. Fuel 2020, 259, 116228.

## References:

Prof. Dr. Fikret İnal  
İzmir Institute of Technology – Chemical Engineering Department, Urla, İzmir Türkiye  
Phone: +90 232 750 6654 - Fax: +90 232 750 6645