



Arife Uzundurukan, M.Sc.

Res. Asst.

Atılım University

Department of Energy Systems Engineering

06830 İncek, Gölbaşı, Ankara/TURKEY

arife.uzundurukan@atilim.edu.tr

Tel: +90 312 586 88 91

PERSONAL

Date of Birth	1992
Place of Birth	Ankara

EDUCATION

2017-Present	Gazi University, Mechanical Engineering, M.S.
2014-2016	Atılım University, Energy Systems Engineering, B.S.
2011-2016	Atılım University, Mechanical Engineering, B.S.

ACADEMIC POSITIONS

May/2017-Present	Research Assistant (M.Sc.), Department of Energy Systems Engineering, Atılım University
December/2015- June/2016	Student Assistant (B.S.), Department of Manufacturing Engineering, Atılım University

HONORS&AWARDS

5	Ranked 1st, High Honor Degree Bachelor's Degree (3.50 GPA), Department of Mechanical Engineering, Engineering Faculty, 100 % Scholarship, Major Atılım University, Ankara, 2016
4	Ranked 2nd, Honor Degree Bachelor's Degree (3.37 GPA), Department of Energy Systems Engineering, Engineering Faculty, 100 % Scholarship, Double Major Atılım University, Ankara, 2016
3	Ranked One of the First Five Students of 50 Outstanding Students, Atılım University, Ankara, 2016
2	Ranked One of 50 Outstanding Students, Atılım University, Ankara, 2015
1	Project (Stand) Display Award, Atılım University LAP-C-1415-10: Burn of Solid Fuel (Coal) Dust in Spouted Bed, Atılım University, Ankara, 2015

RESEARCH INTERESTS

8	Finite Element Analysis
7	CAD
6	Renewable Energy Systems
5	Thermodynamics
4	Heat Transfer
3	Fuel Cells
2	Proton Exchange Membrane Fuel Cells
1	Hydrogen Energy

PUBLICATIONS

3	Arife Uzundurukan , Yilser Devrim, Hydrogen generation from sodium borohydride hydrolysis by multi-walled carbon nanotube supported platinum catalyst: A kinetic study, International Journal of Hydrogen Energy, 2019 (Inpress). (SCI, IF:4.229)
2	Arife Sağlam , Yilser Devrim, Atılan 1 Ton Çöp Değil, 1 MW Elektrik, Herkese Bilim Teknoloji, Sayı:149, Şubat 2019
1	Arife Sağlam , Yilser Devrim, Gel-Git Enerjisi, Eglenceli Bilim Dergisi, Sayı 24, Sayfa 18-19, Atılım Üniversitesi, Ekim 2017

PROJECTS

5	Atılım University ATÜ-ADP-1819/ROKETSAN : Development of Proton Exchange Membrane Based Hydrogen Compressor for High Purity Hydrogen Production from Reformate Gas Mixtures, Researcher , 2018-2019
4	Atılım University ATÜ-LAP-1819/ROKETSAN : Design of the Liquid Fuel Based Fuel Cell For Air-Independent Propulsion Systems, Researcher , 2018-2019.
3	Atılım University ATÜ-LAP-C-1718-06/ROKETSAN : Development of Ammonia Borane Based Chemical Hydrogen Storage Technique for Fuel Cells Used in Aviation Applications, Co-advisor , 2017-2018
2	Atılım University ATÜ-LAP-C-1516-03 : Hydrogen Production from Sodium Borohydride and Development of Sodium Borohydride PEM Fuel Cell, Scholar , 2015-2016
1	Atılım University ATÜ-LAP-C-1415-10 : Burn of Solid Fuel (Coal) Dust in Spouted Bed, Project (Stand) Display Award, Scholar , 2014-2015

CONFERENCE PRESENTATIONS

3	Arife Sağlam , Yilser Devrim, Investigation of Hydrogen Production from Sodium Boron Hydride with Platinum Catalyst Supported on Carbon Nanotube 30 th National Chemistry Congress, p:83, Famagusta, TRNC, Oral Presentation, 2018
2	Arife Sağlam , Yilser Devrim, Investigation of the Effect of Platinum Catalyst Supported on Multi-Walled Carbon Nanotube-Graphene Hybrid Support Material from Hydrogen Production from Ammonium Borane, 30 th National Chemistry Congress, p:97, Famagusta, TRNC, Oral Presentation, 2018
1	Arife Sağlam , Elif Damla Arica, Yilser Devrim, Investigation of Hydrogen Generation from Sodium Borohydride Hydrolysis Reaction with Different Catalyst, 3 rd International Hydrogen Technologies Congress, p:304-307, Alanya, Turkey, Oral presentation, 2018

COURSES ASSITED

8	Heat and Mass Transfer
7	Thermodynamics II
6	Energy Systems II
5	Energy Systems I
4	Fuel Cell Tehnologies
3	Hydrogen Technologies
2	Summer Practice II
1	Summer Practice I