

## ÖZGEÇMİŞ

**1. Adı Soyadı** : Aras Karapekmez

### İletişim Bilgileri

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**2. Doğum Tarihi** : 22/08/1991

**3. Unvanı** : Doktora Öğrencisi

**4. Öğrenim Durumu** : Doktora Öğrencisi

Derece	Alan	Üniversite	Yıl
Lisans	Makine Mühendisliği	Yıldız Teknik Üniversitesi	2014
Yüksek Lisans	Makine Mühendisliği	Yıldız Teknik Üniversitesi	2018
Doktora	Makine Mühendisliği	Boğaziçi Üniversitesi	Devam

### 5. Yayınlar

#### 5.1. Uluslararası hakemli dergilerde yayınlanan makaleler

1. Karapekmez, A. and Dincer, I., (2018). “Modelling of Hydrogen Production from Hydrogen Sulfide in Geothermal Power Plants”, International Journal of Hydrogen Energy, 43: 10569-10579.
2. Karapekmez, A. and Dincer, I., (2018). “Thermodynamic Analysis of a Novel Solar and Geothermal Based Combined Energy System for Hydrogen Production”, International Journal of Hydrogen Energy.
3. Karapekmez, A. and Dincer, I., (2020). “Comparative Efficiency and Environmental Impact Assessments of a Solar-Assisted Combined Cycle with Various Fuels”, Applied Thermal Engineering.

#### 5.2. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceeding) basılan bildiriler.

1. Karapekmez, A. and Dincer, I., (2017). “Modelling of Hydrogen Production from Hydrogen Sulfide in Geothermal Power Plants”, 2<sup>nd</sup> International Hydrogen Technologies Congress, 15-18 March 2017, Adana, Turkey.
2. Karapekmez, A., Dincer, I. and Javani, N., (2018). “Thermodynamic Study of an Integrated System with Compressed Air and Heat Storage Units”, 14<sup>th</sup> International Conference on Energy Storage, 25-28 April 2018, Adana, Turkey.
3. Karapekmez, A. and Dincer, I., (2018). “Thermodynamic Analysis of a Novel Solar and Geothermal Based Combined System for Hydrogen Production”, 10<sup>th</sup> International Exergy, Energy and Environment Symposium, 1-4 July 2018, Katowice, Poland.
4. Karapekmez, A. and Dincer, I., (2018). “Comparative Efficiency and Environmental Impact Assessments of a Solar-Assisted Combined Cycle with Various Fuels Options”, 4<sup>th</sup> International Conference on Recycling and Reuse, 24-26 October 2018, Istanbul, Turkey.

5. Karapekmez, A. and Dincer, I., (2019). “Development of a Novel Renewable Energy Based Integrated System for Hydrogen Production”, 4<sup>th</sup> International Hydrogen Technologies Congress, 20-23 June 2019, Edirne, Turkey.

## **6. Projeler**

1. Analysis and Assessments of Hydrogen Production from Hydrogen Sulfide in Geothermal Power Plants. May 2018 – November 2018, YTU BAP project.