

## Res. Asst. MERVE ÇELİK ÖZCAN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2020 - Continues

Postgraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2017 - 2020

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2011 - 2015

### Certificates, Courses and Trainings

Data Analysis, SESAME (Ortadoğu Sinkrotron IşığI Deneysel Bilim ve Uygulamaları Uluslararası Merkezi) ÇalıştayI, TENMAK (Türkiye Enerji, Nükleer ve Maden Araştırma Kurumu), 2021

### Dissertations

Postgraduate, Silika destekli katalizörler varlığında alternatif yakıt üretimi: Dimetil eter - metanol, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020

### Research Areas

Chemical Engineering and Technology, Chemical Technologies, Process and Reactor Design, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Dimethyl ether from syngas and effect of CO<sub>2</sub> sorption on product distribution over a new bifunctional catalyst pair containing STA@SBA-15**  
Ozcan M., Karaman B., OKTAR N., DOĞU T.  
Fuel, vol.330, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **A review on synthesis of dimethyl ether from syngas over bifunctional/hybrid catalysts**  
Çelik M., Katırcıoğlu T. Y.  
Global Journal of Pure and Applied Chemistry Research, vol.7, no.1, pp.1-24, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The synthesis of coke-resistant alumina based catalysts for the production of biofuels from bio-oil**  
Alan E., Çelik Özcan M., Pekmezci Karaman B., Mürtezaoğlu K.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.1
- II. **Bio-fuel Production under Atmospheric Pressure**  
Güvenç C., Pekmezci Karaman B., Çelik Özcan M., Oktar N.  
4th International Conference on Applied Engineering and Natural Sciences ICAENS 2022, Konya, Turkey, 15 - 18 October 2022, pp.94
- III. **Elektrokatalitik Amonyak Üretimi İçin Ce Katkılı LaFeO<sub>3</sub> Katalizörlerinin Sol-jel Yöntemi İle Hazırlanması**  
Çelik Özcan M., Oktar N., Doğu D.  
6. Anadolu Kataliz Okulu, İzmir, Turkey, 23 - 28 September 2022
- IV. **Development of Novel Catalysts for Bio-Fuel Production**  
Alan E., Pekmezci Karaman B., Çelik Özcan M., Mürtezaoğlu K.  
4th Bioenergy Studies Symposium, International Symposium , Ankara, Turkey, 26 - 27 May 2022
- V. **Performance of HZSM-5 Catalyst in Bio-Fuel Production**  
Güvenç C., Pekmezci Karaman B., Çelik Özcan M., Oktar N.  
4th Bioenergy Studies Symposium, Ankara, Turkey, 26 - 27 May 2022
- VI. **Synthesis of LaFeO<sub>3</sub> Catalyst for Electrocatalytic Ammonia Production**  
Çelik Özcan M., Eryıldırım B., Öztürk O., Oktar N., Doğu D.  
8th National Catalysis Conference, NCC8, Ankara, Turkey, 9 - 12 September 2021
- VII. **Nitridation and Characterization of Yttria-Stabilized Zirconia Powder for Electrocatalytic Ammonia Production**  
Öztürk O., Eryıldırım B., Çelik Özcan M., Timurkutluk B., Doğu D.  
8th National Catalysis Conference, NCC8, Ankara, Turkey, 9 - 12 September 2021
- VIII. **Synthesis of Mayenite Catalysts for Electrocatalytic Ammonia Production**  
Eryıldırım B., Çelik Özcan M., Öztürk O., Oktar N., Doğu D.  
8th National Catalysis Conference, NCC8, Ankara, Turkey, 9 - 12 September 2021
- IX. **Elektrokatalitik Amonyak Üretimi İçin Mayenit Katalizörünün Sentezi Ve Karakterizasyonu**  
Eryıldırım B., Çelik Özcan M., Öztürk O., Oktar N., Doğu D.  
14. Ulusal Kimya Mühendisliği Kongresi (UKMK 2020), Konya, Turkey, 10 - 12 June 2021, pp.16
- X. **Direct synthesis of dimethyl ether from syngas over silicotungstic acid containing catalyst.**  
Çelik M., Pekmezci Karaman B., Oktar N., Doğu G., Doğu T.  
4th International Hydrogen Technologies Congress (IHTEC 2019), Edirne, Turkey, 20 - 23 June 2019, pp.121
- XI. **Direct synthesis of dimethyl ether from syngas over SBA-15: Effect of STA incorporation onto product distribution**  
Çelik M., Pekmezci Karaman B., Oktar N., Doğu G., Doğu T.  
9th Eastern Mediterranean Chemical Engineering Conference (EMCC-9), Ankara, Turkey, 31 August - 02 September 2018
- XII. **Melasın Hidroliz Edilmesinin ve Melas Derişiminin Saccharomyces cerevisiae ile Etil Alkol Üretimine Etkisinin İncelenmesi**  
Okur M., Çelik M., Eroğlu N., Çakmak Y.  
18th National Biotechnology Congress, Konya, Turkey, 18 - 19 December 2015, pp.101

## **Scientific Research / Working Group Memberships**

Materials For Catalysis And Fuel Cells (Mfc) Research Group, Gazi University, Turkey, <https://dorukd.wixsite.com/mfc>,  
2019 - Continues

## **Metrics**

Publication: 14

## **Scholarships**

2250-Lisansüstü Bursları Performans Programı, TUBITAK, 2022 - 2022

## **Awards**

Çelik M., Next Generation BioJet and Biobunker Fuel Production from Sustainable BioResidues, Horizon2020, June 2020