

## Res. Asst. HALE AKANSU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AIE-4368-2022

ScopusID: 57398238000

Yoksis Researcher ID: 303635

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Chemical Engineering, Turkey 2021 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Chemical Engineering, Turkey 2018 - 2021

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2014 - 2018

### Dissertations

Postgraduate, Development of nickel based catalysts for hydrogen production from biogas, Gazi University, Fen Bilimleri Enstitüsü, Chemical Engineering, 2021

### Research Areas

### Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2019 - Continues

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

- Nickel-based alumina supported catalysts for dry reforming of biogas in the absence and the presence of H<sub>2</sub>S: Effect of manganese incorporation**  
Akansu H., Arbağ H., Taşdemir H. M., Yaşyerli S., Yaşyerli N., Dogu G.  
CATALYSIS TODAY, vol.397, pp.37-49, 2022 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- Commercial Alumina Supported Fe Catalysts for Hydrogen Sulfide Decomposition**  
AKANSU H., ARBAĞ H., TAŞDEMİR H. M., YAŞYERLİ S., YAŞYERLİ N.  
7th International Hydrogen Technologies Congress (IHTEC-2023), Elazığ, Turkey, 10 - 12 May 2023

- II. **Effects of Boron Addition on the Activity of Nickel Catalyst in Dry Reforming of Methane**  
ALP S., AKANSU H., ARBAĞ H., YAŞYERLİ N.  
7th International Hydrogen Technologies Congress (IHTEC-2023), Elazığ, Turkey, 10 - 12 May 2023
- III. **Investigation of Resistances of Nickel-Cobalt Catalysts to Sulfur in the Dry Reforming Reaction of Methane**  
Altundağ B., Erarslan Z. G., Kılıç E., Tansu S., Tüfekçi S., Doğan M. Y., Akansu H., Arbağ H.  
VIII International Russian-Kazakh Scientific and Practical Conference-Chemical Technologies of Functional Materials (Virtual), Almati, Kazakhstan, 28 - 29 April 2022
- IV. **Investigation of Catalytic Activities of Ni-Based Catalysts in Dry Reforming Reaction of H<sub>2</sub>S-Containing Biogas**  
Özel O. S., Akansu H., Arbağ H., Taşdemir H. M.  
8th National Catalysis Congress (NCC-8), Ankara, Turkey, 9 - 12 September 2021
- V. **Comparison of Mo and Mg Incorporation Effect on Nickel-Based Catalysts for Dry Reforming of Biogas**  
Akansu H., Doğan M. Y., Arbağ H., Taşdemir H. M., Yaşyerli N.  
8th National Catalysis Congress (NCC-8), Ankara, Turkey, 9 - 12 September 2021
- VI. **Activity of Nickel-Based Catalysts for Dry Reforming of Biogas in the Presence of H<sub>2</sub>S: Effect of Manganese Incorporation**  
Akansu H., Arbağ H., Taşdemir H. M., Yaşyerli S., Yaşyerli N., Doğu G.  
5th International Conference on Catalysis and Chemical Engineering (CCE-2020-Virtual), California, United States Of America, 22 - 26 February 2021
- VII. **Metanın Kuru Reformlanma Reaksiyonunda Farklı Destek Malzemeleri Kullanılarak Ni İçerikli Hazırlanan Katalizörlerin Aktiviteye Etkisi**  
Doğan M. Y., Akansu H., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020
- VIII. **Activity of Ni Based Mono and Bimetallic Catalysts in Dry Reforming of Methane**  
Akansu H., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
4th International Porous Powder Materials Symposium and Exhibition (PPM-2019), Muğla, Turkey, 9 - 11 October 2019
- IX. **Activity of Nickel-Based Catalysts in Carbon Dioxide Reforming of Methane**  
Akansu H., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
5th Anatolian School of Catalysis (ASC-5), İzmir, Turkey, 8 - 11 September 2019
- X. **Activity of Iron and Yttrium Catalysts in CO<sub>2</sub> Reforming of Methane**  
Genç A., Akansu H., Varlı G., Taşdemir H. M., Arbağ H., Yaşyerli N., Yaşyerli S.  
4th International Hydrogen Technologies Congress, Edirne, Turkey, 20 - 23 June 2019

## Supported Projects

TAŞDEMİR H. M., YAŞYERLİ N., YAŞYERLİ S., ARBAĞ H., AKANSU H., DOĞAN M. Y., Project Supported by Higher Education Institutions, Metanın Kuru Reformlanma Reaksiyonunda Kullanılmak Üzere Ticari ve Soljel Alümina Destekli Nikel ve Lantanyum İçerikli Katalizörlerin Hazırlanması ve Karakterizasyonu, 2023 - Continues  
Yaşyerli S., Taşdemir H. M., Arbağ H., Yaşyerli N., Doğu G., TUBITAK Project, Mikrodalga Reaktör Sistemi İle H<sub>2</sub>S'den H<sub>2</sub> Üretimi İçin Alüminyum ve Karbon İçerikli Destekler İle Fe- ve W-Esash Yeni Katalizörlerin Geliştirilmesi, 2022 - 2025  
Arbağ H., Yaşyerli N., Yaşyerli S., Taşdemir H. M., TUBITAK Project, 2019 - 2021

## Metrics

Publication: 11

Citation (WoS): 2

Citation (Scopus): 9

H-Index (WoS): 1

H-Index (Scopus): 1