

# Prof. HÜSEYİN ARBAĞ

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2008 - 2014

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 2005 - 2008

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2000 - 2005

## Dissertations

Doctorate, Metanın kuru reformlanma reaksiyonu ile hidrojen üretimi için aktif ve yüksek verimli katalizör geliştirilmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2014

Postgraduate, Karbondioksit aktivasyonu ile metandan hidrojen üretimi reaksiyonunun MCM-41 destekli katalizörlerde incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 2008

## Research Areas

Chemical Engineering and Technology, Process and Reactor Design, Composite materials, Material science and engineering

## Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2023 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2018 - 2023

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2005 - 2018

## Academic and Administrative Experience

Assistant Director of the Institute, Gazi University, Fen Bilimleri Enstitüsü, 2019 - 2020

Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2018 - 2019

## Courses

CHEMICAL ENGINEERING DESIGN I, Undergraduate, 2022 - 2023  
KİMYA MÜHENDİSLİĞİ TASARIMI I, Undergraduate, 2017 - 2018  
Engineering Economy, Undergraduate, 2017 - 2018  
Lisans Araştırma Projesi, Undergraduate, 2017 - 2018  
BİTİRME ÖDEVİ, Undergraduate, 2017 - 2018  
KM481 Kimya Mühendisliği Laboratuvarı II, Undergraduate, 2017 - 2018  
Kimya Mühendisliği Laboratuvarı III, Undergraduate, 2017 - 2018

## Advising Theses

Arbağ H., Synthesis and characterization of mesoporous carbon containing magnetic nanoparticles, Postgraduate, Z.CEYLAN(Student), 2023  
Arbağ H., Synthesis and characterisation of graphene oxide with magnetic nanoparticles, Postgraduate, H.Hamiyet(Student), 2023  
Arbağ H., Yaşyerli S., İndirgenmiş grafen oksit sentezi ve karakterizasyonu, Postgraduate, D.ÖZTEKİN(Student), 2023  
Arbağ H., SYNTHESIS AND CHARACTERIZATION OF GRAPHENE WITH BORON ADDITIVE: APPLICABILITY IN BUILDING MATERIAL, Postgraduate, G.MİRZA(Student), 2022  
Arbağ H., DEVELOPMENT OF ALUMINA SUPPORTED CATALYSTS FOR HYDROGEN PRODUCTION FROM BIOGAS, Postgraduate, A.GENÇ(Student), 2022  
Arbağ H., DEVELOPMENT OF NICKEL BASED CATALYSTS FOR HYDROGEN PRODUCTION FROM BIOGAS, Postgraduate, H.AKANSU(Student), 2021  
YAŞYERLİ N., ARBAĞ H., Development Of New Catalysts For Dry Reforming Of Methane, Doctorate, Ç.OKUTAN(Student), 2020

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

- I. **Effects of Iron Ion Ratios on the Synthesis and Adsorption Capacity of the Magnetic Graphene Oxide Nanomaterials**  
Konuk H. H., Alp E., Ozaydin Z., ESLEK KOYUNCU D. D., ARBAĞ H.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2024 (SCI-Expanded)
- II. **H<sub>2</sub> production via H<sub>2</sub>S decomposition over activated carbon supported Fe- and W- catalysts**  
DOĞAN M. Y., TAŞDEMİR H. M., ARBAĞ H., YAŞYERLİ N., YAŞYERLİ S.  
International Journal of Hydrogen Energy, vol.75, pp.483-495, 2024 (SCI-Expanded)
- III. **Change in Microstructure, Mechanical Strength, Fire Resistance, and Radiation Attenuation Properties of Gypsum Plaster with Boric Acid**  
Arnavutoglu E., ARBAĞ H., Koyuncu D. D.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2024 (SCI-Expanded)
- IV. **Acid Treatment to Improve Total Light Olefins Selectivity of HZSM-5 Catalyst in Methanol to Olefins (MTO) Reaction**  
DEĞİRMENCİOĞLU P., ARBAĞ H.  
Arabian Journal for Science and Engineering, vol.48, no.12, pp.16123-16136, 2023 (SCI-Expanded)
- V. **Effect of ceria content in Ni-Ce-Al catalyst on catalytic performance and carbon/coke formation in dry reforming of CH<sub>4</sub>**  
DOĞAN M. Y., ARBAĞ H., TAŞDEMİR H. M., YAŞYERLİ N., YAŞYERLİ S.  
International Journal of Hydrogen Energy, vol.48, no.60, pp.23013-23030, 2023 (SCI-Expanded)
- VI. **Investigation of effects of sulfur on dry reforming of biogas over nickel-iron based catalysts**  
Genc A., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
International Journal of Hydrogen Energy, vol.48, no.60, pp.23031-23043, 2023 (SCI-Expanded)
- VII. **Development of Zr-SBA-15 supported Ni catalysts reducing carbon formation in dry reforming of**

**methane: Effect of synthesis media**

Okutan C., ARBAĞ H., YAŞYERLİ N., YAŞYERLİ S.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.1, pp.71-84, 2023 (SCI-Expanded)

- VIII. **Effect of graphene-based additives on mechanical strength and microstructure of gypsum plaster**  
Dogan G. M., ARBAĞ H., ESLEK KOYUNCU D. D.  
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- IX. **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)
- X. **Comparison of microwave and conventionally heated reactor performances in catalytic dehydrogenation of ethane**  
Eryildirim B., ARBAĞ H., OKTAR N., DOĞU G.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.7, pp.5296-5310, 2021 (SCI-Expanded)
- XI. **Effect of Preparation Technique on the Performance of Ni and Ce Incorporated Modified Alumina Catalysts in CO<sub>2</sub> Reforming of Methane**  
ARBAĞ H., TAŞDEMİR H. M., YAĞIZATLI Y., Kucuker M., YAŞYERLİ S.  
CATALYSIS LETTERS, vol.150, no.11, pp.3256-3268, 2020 (SCI-Expanded)
- XII. **Steam reforming of acetic acid in the presence of Ni coated with SiO<sub>2</sub> microsphere catalysts**  
Ozel S., MERİÇ G. G., ARBAĞ H., DEĞİRMENCİ L., OKTAR N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.41, pp.21252-21261, 2020 (SCI-Expanded)
- XIII. **Catalytic activity of SBA-15 supported Ni catalyst in CH<sub>4</sub> dry reforming: Effect of Al, Zr, and Ti co-impregnation and Al incorporation to SBA-15**  
Okutan C., ARBAĞ H., YAŞYERLİ N., YAŞYERLİ S.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.27, pp.13911-13928, 2020 (SCI-Expanded)
- XIV. **Catalytic Performances of Bi-Metallic Ni-Co Catalysts in Acetic Acid Steam Reforming Reaction: Effect of Mg Incorporation**  
Sahin S. O., ARBAĞ H., OKTAR N., MÜRTEZAOĞLU K.  
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.17, no.6, 2019 (SCI-Expanded)
- XV. **Catalytic performances of Ni and Cu impregnated MCM-41 and Zr-MCM-41 for hydrogen production through steam reforming of acetic acid**  
Cakiryilmaz N., ARBAĞ H., OKTAR N., Dogu G., DOĞU T.  
CATALYSIS TODAY, vol.323, pp.191-199, 2019 (SCI-Expanded)
- XVI. **Effect of impregnation sequence of Mg on performance of mesoporous alumina supported Ni catalyst in dry reforming of methane**  
ARBAĞ H.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.13, pp.6561-6574, 2018 (SCI-Expanded)
- XVII. **Effect of W incorporation on the product distribution in steam reforming of bio-oil derived acetic acid over Ni based Zr-SBA-15 catalyst**  
Cakiryilmaz N., ARBAĞ H., OKTAR N., Dogu G., DOĞU T.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.7, pp.3629-3642, 2018 (SCI-Expanded)
- XVIII. **SBA-15 supported mesoporous Ni and Co catalysts with high coke resistance for dry reforming of methane**  
Erdogan B., ARBAĞ H., YAŞYERLİ N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.3, pp.1396-1405, 2018 (SCI-Expanded)
- XIX. **Effect of reduction and reaction temperature on activities of mesoporous alumina supported nickel catalysts and coke formation in dry reforming of methane**  
ARBAĞ H., YAŞYERLİ S., YAŞYERLİ N., Dogu G., DOĞU T.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.1, pp.63-73, 2018 (SCI-Expanded)

- XX. **Performance comparison of mesoporous alumina supported Cu & Ni based catalysts in acetic acid reforming**  
PEKMEZCİ KARAMAN B., Cakiryilmaz N., ARBAĞ H., OKTAR N., Dogu G., DOĞU T.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.42, pp.26257-26269, 2017 (SCI-Expanded)
- XXI. **Coke minimization via SIC formation in dry reforming of methane conducted in the presence of Ni-based core-shell microsphere catalysts**  
MERİÇ G. G., ARBAĞ H., DEĞİRMENCİ L.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.26, pp.16579-16588, 2017 (SCI-Expanded)
- XXII. **Enhancement of catalytic performance of Ni based mesoporous alumina by Co incorporation in conversion of biogas to synthesis gas**  
ARBAĞ H., YAŞYERLİ S., YAŞYERLİ N., Dogu G., DOĞU T.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.198, pp.254-265, 2016 (SCI-Expanded)
- XXIII. **Coke Minimization during Conversion of Biogas to Syngas by Bimetallic Tungsten-Nickel Incorporated Mesoporous Alumina Synthesized by the One-Pot Route**  
ARBAĞ H., YAŞYERLİ S., YAŞYERLİ N., Dogu G., DOĞU T., Crnivec I. G. O., Pintar A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.54, no.8, pp.2290-2301, 2015 (SCI-Expanded)
- XXIV. **Coke Minimization in Dry Reforming of Methane by Ni Based Mesoporous Alumina Catalysts Synthesized Following Different Routes: Effects of W and Mg**  
Arbag H., Yasyerli S., Yasyerli N., Dogu T., Dogu G.  
TOPICS IN CATALYSIS, vol.56, no.18-20, pp.1695-1707, 2013 (SCI-Expanded)
- XXV. **Ru incorporated Ni-MCM-41 mesoporous catalysts for dry reforming of methane: Effects of Mg addition, feed composition and temperature**  
Yasyerli S., Filizgok S., Arbag H., Yasyerli N., Dogu G.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.8, pp.4863-4874, 2011 (SCI-Expanded)
- XXVI. **Activity and stability enhancement of Ni-MCM-41 catalysts by Rh incorporation for hydrogen from dry reforming of methane**  
ARBAĞ H., YAŞYERLİ S., YAŞYERLİ N., Dogu G.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.6, pp.2296-2304, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Research of zeolite catalysts for the process of alkylation of aromatic hydrocarbons**  
Arbag H., Satayeva S., Yerzhanova Z., Akhmetova F. Z., Khamzina B., Kairgazyeva A., Beimbetova A.  
INTERNATIONAL JOURNAL OF BIOLOGY AND CHEMISTRY, vol.15, no.1, 2022 (ESCI)
- II. **Selection of sorption materials for the extraction of nickel and cobalt from the ore of the Gornostaevskoye deposit**  
ARBAĞ H., Panova Y., Aubakirov Y.  
CHEMICAL BULLETIN OF KAZAKH NATIONAL UNIVERSITY, vol.102, no.3, pp.9, 2021 (Peer-Reviewed Journal)
- III. **Recycling of waste plastics to liquid fuel mixture over composite zeolites catalysts**  
Akhmetova F., Aubakirov Y. A., Tashmukhambetova Z. H., ARBAĞ H., Kurmangaliyeva A.  
CHEMICAL BULLETIN OF KAZAKH NATIONAL UNIVERSITY, vol.101, no.2, pp.7, 2021 (Peer-Reviewed Journal)
- IV. **Research of composite catalysts for the process of thermocatalytic hydrogenation processing of plastic waste**  
Akhmetova F. Z., Aubakirov Y. A., Sassykova L. R., Arbag H.  
INTERNATIONAL JOURNAL OF BIOLOGY AND CHEMISTRY, vol.13, no.1, pp.177-181, 2020 (ESCI)
- V. **Ni-Co İÇERİKLİ BİMETALİK KATALİZÖRLERİN METANIN KURU REFORMLANMA REAKSİYONUNDAKİ PERFORMANSLARINA KATALİZÖR SENTEZ SÜRECİNDEKİ EMDİRME SIRASININ ETKİLERİ**  
ARBAĞ H.  
Uludağ University Journal of The Faculty of Engineering, vol.22, no.1, pp.39, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect of Carburization Temperature of Iron-Based Catalysts on H<sub>2</sub> Production via H<sub>2</sub>S Decomposition**  
AKANSU H., ARBAĞ H., TAŞDEMİR H. M., YAŞYERLİ S., YAŞYERLİ N.  
6th International Conference on Green Chemistry and Sustainable Engineering (GreenChem-24), Lizbon, Portugal, 24 - 26 July 2024
- II. **Investigation of Sulfur-resistant Nickel-based catalysts in the dry reforming reaction of biogas: Effect of Yttrium, Cerium, and Magnesium incorporation**  
DOUTOUM M. E. K., ARBAĞ H.  
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Ankara, Turkey, 11 November 2023
- III. **Metanın Kuru Reformlanma Reaksiyonunda Alümina Destekli Ni-La Katalizörlerinin Aktivite Test Çalışmaları**  
AKANSU H., DOĞAN M. Y., Kansou M. S., Meke A. S., Ateş M., Altındiş Z., ARBAĞ H.  
5. Ulusal Kimya Mühendisliği Kongresi (UKMK-2023), Çanakkale, Turkey, 4 - 07 September 2023
- IV. **Hydrogen production via H<sub>2</sub>S decomposition over activated carbon supported W catalysts**  
Doğan M. Y., Taşdemir H. M., Arbağ H., Yaşyerli N., Yaşyerli S.  
7th International Hydrogen Technologies Congress, Elazığ, Turkey, 10 - 12 May 2023, pp.219-223
- V. **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
- VI. **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
- VII. **Borik Asit Katkısının Alçı Sıvanın Eğilme Dayanımına Etkisi**  
Arnavutoğlu E., ARBAĞ H.  
Atılım Üniversitesi Mühendislik Bilimleri Ve Araştırmaları Öğrenci Kongresi, Ankara, Turkey, 11 May 2023
- VIII. **Synthesis and characterization of magnetic graphene oxide**  
KONUK H. H., ARBAĞ H., ESLEK KOYUNCU D. D., ÖZAYDIN Z., ALP E.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 November 2022, pp.1743
- IX. **Synthesis and characterization of mesoporous carbon containing magnetic nanoparticles**  
CEYLAN Z., ARBAĞ H., ESLEK KOYUNCU D. D., ALP E., ÖZAYDIN Z.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 November 2022, pp.1747
- X. **Determination of Optimum Reaction Temperature for Methanol to Olefins**  
Değirmencioğlu P., Arbağ H.  
2nd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 15 - 18 October 2022, pp.1-2
- XI. **Effect of Reaction Time and Reduction Condition on Physicochemical Properties of Graphene Oxide**  
Öztekin D., Arbağ H., Yaşyerli S.  
9 th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.153
- XII. **ALTERNATIVE SOURCE FOR OLEFIN PRODUCTION: BIO METHANOL**  
Değirmencioğlu P., Arbağ H., Oktar N.  
4TH BIONERGY STUDIES SYMPOSIUM, Samsun, Turkey, 26 May 2022, pp.1-3
- XIII. **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

- XIV. **Dry Reforming of Methane Over Ni-Ce-Al-O Catalysts Having Different Amount of Ceria**  
Doğan M. Y., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.238-240
- XV. **Dry Reforming in the Presence of H<sub>2</sub>S on Alumina Supported Nickel-Iron Catalyst**  
Genç A., Arbağ H., Taşdemir H. M., Yaşyerli N., Yaşyerli S.  
6th International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.269-271
- XVI. **Dry Reforming of Methane in the Presence of Sulfur over Nickel-Copper Based Catalysts**  
Keşan N., Arbağ H., Yaşyerli S., Taşdemir H. M., Yaşyerli N.  
National Catalyst Congress (NCC8), 9 - 12 September 2021
- XVII. **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
- XVIII. **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
- XIX. **Nikel-Demir Esaslı Katalizörlerin Aktivitelerinin Kükürt Varlığında Metanın Kuru Reformlanma Reaksiyonunda İncelenmesi**  
GENÇ A., ARBAĞ H., TAŞDEMİR H. M., YAŞYERLİ N., YAŞYERLİ S.  
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Turkey, 10 - 12 June 2021
- XX. **Metanolden Hafif Olefin Eldesinde (MTO) Kullanılacak Silika Bazlı Mikroküre Katalizörlerin Geliştirilmesi**  
Değirmencioğlu P., Arbağ H., Oktar N.  
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1-3
- XXI. **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
- XXII. **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
- XXIII. **Bor Katkılı Grafen Sentezi ve Karakterizasyonu**  
DOĞAN G. M., ESLEK KOYUNCU D. D., ARBAĞ H.  
32. Ulusal Kimya Kongresi, Turkey, 17 September 2020
- XXIV. **Effect of impregnation of Al, Zr and Ti metals on activity of mesoporous SBA-15 supported Ni catalyst for CO<sub>2</sub> reforming of methane**  
Okutan Ç., ARBAĞ H., YAŞYERLİ N., YAŞYERLİ S.  
5th International Conference on Engineering Sciences (ICES 2019), Ankara, Turkey, 19 September 2019
- XXV. **Performance of Modified Sol-Gel Alumina Supported Ni Catalysts in Dry Reforming of Methane: Effect of Cerium Incorporation**  
DOĞAN M. Y., ARBAĞ H., YAŞYERLİ N.  
4th Porous Powder Materials Symposium and Exhibition, Muğla, Turkey, 9 - 11 October 2019
- XXVI. **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
- XXVII. **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
- XXVIII. **Dehydrogenation of ethane over SBA-15 supported chromium catalyst**  
ERYILDIRIM B., ARBAĞ H., OKTAR N., DOĞU G.  
5th Anatolian School of Catalysis (ASC-5), 8 - 11 September 2019
- XXIX. **A Comparison Of Light Olefin Production From Syngas, DME and Methanol**  
DEĞİRMENCİOĞLU P., ARBAĞ H., OKTAR N., DOĞU G., DOĞU T.  
5th Anatolian School of Catalysis (ASC-5), 8 - 11 September 2019
- XXX. **Effect of cerium in dry reforming of methane by Modified Sol-Gel Alumina Supported Ni Catalysts**  
DOĞAN M. Y., YAŞYERLİ N., ARBAĞ H.  
5th Anatolian School of Catalysis (ASC-5), İzmir, Turkey, 8 - 11 September 2019
- XXXI. **Performance of Silica supported Ni catalysts in steam reforming of biomass derived acetic acid**  
ÇAKIRYILMAZ N., OKTAR N., ARBAĞ H., DOĞU G., DOĞU T.  
4th International Hydrogen Technologies Congress (IHTEC 2019), 20 - 23 June 2019
- XXXII. **Hydrogen production via ethane dehydrogenation in microwave heated reactor over mesoporous alumina supported chromium catalyst at low temperature**  
ÇİTLİ P., ARBAĞ H., OKTAR N., DOĞU G.  
4th International Hydrogen Technologies Congress (IHTEC), 20 - 23 June 2019
- XXXIII. **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
- XXXIV. **Hydrogen and ethylene production by ethane dehydrogenation in microwave heated reactor system: Effect of reaction temperature**  
ERYILDIRIM B., ARBAĞ H., OKTAR N., DOĞU G.  
4th International Hydrogen Technologies Congress (IHTEC 2019), 20 - 23 June 2019
- XXXV. **Activity of Modified Sol-Gel Alumina Supported Ni Catalysts in Dry Reforming of Methane**  
DOĞAN M. Y., ARBAĞ H., YAŞYERLİ N.  
4th International Hydrogen Technologies Congress (IHTEC 2019), Edirne, Turkey, 20 - 23 June 2019
- XXXVI. **Nİ/SİO<sub>2</sub> MİKRO KÜRE KATALİZÖRLERİN ASETİK ASİT REFORMLANMA REAKSİYONUNDA AKTİVİTELERİNİN İNCELENMESİ**  
Özel Ş., GÜNDÜZ MERİÇ G., ARBAĞ H., OKTAR N., DEĞİRMENCİ L.  
UKMK 2018, Turkey, 3 - 06 September 2018
- XXXVII. **Nikel ve Bor İçerikli Alümina Destekli Katalizörlerin Asetik Asit Buharlı Reformlanma Reaksiyonundaki Aktiviteleri: Sentez Yönteminin Etkisi**  
ÖZEL Ş., ERYILDIRIM B., ARBAĞ H., OKTAR N., DOĞU G., DOĞU T.  
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## **Methane Dry Reforming**

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- XLIII. **The Catalytic Activity of Sol-Gel Alumina Supported Ni Catalysts for Methane Dry Reforming**  
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- LXI. **Steam Reforming Of Acetic Acid With Hifuel R 120 Catalyst**  
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- Yaşyerli S., Taşdemir H. M., Arbağ H., Yaşyerli N., Doğu G., TÜBİTAK 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-Esaslı Yeni Katalizörlerin Geliştirilmesi, 2022 - 2025
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## **Activities in Scientific Journals**

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Assistant Editor/Section Editor, 2018 - Continues

### **Metrics**

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