

## Assoc. Prof. BAHAR İPEK TORUN

### Personal Information

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### International Researcher IDs

ScholarID: Bahar

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Publons / Web Of Science ResearcherID: O-9010-2014

ScopusID: 55317158700

Yoksis Researcher ID: 264557

### Education Information

Doctorate, University of Delaware, Mühendislik Fakültesi, Kimya Ve Biyomoleküler Mühendislik, United States Of America  
2011 - 2016

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey  
2008 - 2011

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Food Engineering, Turkey 2004  
- 2008

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, H2 ADSORPTION AND DIRECT METHANE CONVERSION TO METHANOL ON Cu-EXCHANGED ZEOLITES,  
University Of Delaware, Department Of Chemical And Biomolecular Engineering, 2016

Postgraduate, Photocatalytic carbon dioxide reduction in liquid media, Middle East Technical University, Faculty of  
Engineering, Department of Chemical Engineering, 2011

### Research Areas

Chemical Engineering and Technology, Process and Reactor Design, Catalysis and Catalytic Processes, Engineering and  
Technology

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2023

- Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2018 - 2023

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2017 - 2018

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2021 - 2023

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, 2021 - 2022

## Courses

Chemical Engineering Laboratory I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Chemical Reaction Engineering, Undergraduate, 2019 - 2020

Chemical Engineering Laboratory II, Undergraduate, 2019 - 2020, 2017 - 2018

Introduction to Process Principles, Undergraduate, 2019 - 2020

Resources Engineering II, Undergraduate, 2017 - 2018

## Advising Theses

İpek Torun B., Önal I., CO<sub>2</sub> HYDROGENATION TO METHANOL OVER SUPPORTED COPPER AND GALLIUM BASED CATALYSTS AT THE ATMOSPHERIC PRESSURE, Postgraduate, S.OSMANAĞA(Student), 2022

İpek Torun B., HYDROGEN ADSORPTION ON Co<sup>2+</sup>-, Ni<sup>2+</sup>- EXCHANGED ZEOLITES ZSM-5 AND US-Y, Postgraduate, N.SAROHAN(Student), 2022

İpek Torun B., DIRECT CONVERSION OF METHANE TO METHANOL OVER IRON-EXCHANGED ZEOLITES, Postgraduate, İ.GÖKÇE(Student), 2022

, Dilek F. B., İpek Torun B., DEVELOPMENT OF A NEW HETEROGENEOUS CATALYST FOR THE USE IN FENTON-LIKE PROCESS TOWARD THE REMOVAL OF PESTICIDES FROM WATER, Doctorate, M.ALI(Student), 2022

İpek Torun B., DESIGN OF MESOPOROUS SMALL-PORE ZEOLITES FOR DIRECT CONVERSION OF METHANE TO METHANOL, Postgraduate, Ö.MEMİOĞLU(Student), 2020

İpek Torun B., Synthesis of mesoporous [al]-[b]-zsm-5, -ssz-13 and -ssz-39 for methanol to olefins process, Postgraduate, B.KARAKAYA(Student), 2020

İpek Torun B., Üner D., HYDROGEN ADSORPTION ON CU (I)-EXCHANGED ZEOLITES, Postgraduate, İ.Altıparmak(Student), 2019

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

- I. **Conditions for higher methanol selectivity for partial CH<sub>4</sub> oxidation over Fe-MOR using N<sub>2</sub>O as the oxidant and comparison to Fe-SSZ-13, Fe-SSZ-39, Fe-FER, and Fe-ZSM-5**

Gökçe I., Ozbek M. O., İpek Torun B.

Journal of Catalysis, vol.427, 2023 (SCI-Expanded)

- II. **Preparation of chabazite based Fenton-like heterogeneous catalyst and its organic micropollutant removal performance**

Ali M., Dilek F. B., İpek Torun B.

Sustainable Chemistry and Pharmacy, vol.31, 2023 (SCI-Expanded)

- III. **A Theoretical Investigation of Cu<sup>+</sup>, Ni<sup>2+</sup> and Co<sup>2+</sup>-Exchanged Zeolites for Hydrogen Storage**  
Ozbek M. O., İpek Torun B.  
CHEMPHYSICHEM, vol.23, no.20, 2022 (SCI-Expanded)
- IV. **Hydrogen adsorption on Co<sup>2+</sup> - and Ni<sup>2+</sup>- exchanged -US-Y and -ZSM-5. A combined sorption, DR UV-Vis, synchrotron XRD and DFT study**  
Sarohan N., Ozbek M. O., Kaya Y., Abdellatif M., İpek Torun B.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.75, pp.32181-32201, 2022 (SCI-Expanded)
- V. **Conference Report: YEuCat Better Together - Collaborative Catalysis in a Changing World**  
Mendes P. S. F., Vucetic N., Valverde-Gonzalez A., Delporte M., Goncalves L. P. L., Isapour G., Khatamirad M., Kinnaer M., Lindenthal L., Pointecouteau R., et al.  
CHEMCATCHEM, vol.14, no.15, 2022 (SCI-Expanded)
- VI. **A potential catalyst for continuous methane partial oxidation to methanol using N<sub>2</sub>O: Cu-SSZ-39**  
Memioğlu O., İpek Torun B.  
CHEMICAL COMMUNICATIONS, vol.57, no.11, pp.1364-1367, 2021 (SCI-Expanded)
- VII. **CO<sub>2</sub> hydrogenation to methanol and dimethyl ether at atmospheric pressure using Cu-Ho-Ga/gamma-Al<sub>2</sub>O<sub>3</sub> and Cu-Ho-Ga/ZSM-5: Experimental study and thermodynamic analysis**  
Tuygun C., İpek Torun B.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.1, pp.231-247, 2021 (SCI-Expanded)
- VIII. **Fluoride-free synthesis of mesoporous [Al]-[B]-ZSM-5 using cetyltrimethylammonium bromide and methanol-to-olefin activity with high propene selectivity**  
Yalcin B. K., İpek Torun B.  
APPLIED CATALYSIS A-GENERAL, vol.610, 2021 (SCI-Expanded)
- IX. **Remarkable isosteric heat of hydrogen adsorption on Cu(I)-exchanged SSZ-39**  
İpek B., Altıparmak İ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, pp.34972-34982, 2020 (SCI-Expanded)
- X. **One-step synthesis of hierarchical [B]-ZSM-5 using cetyltrimethylammonium bromide as mesopore**  
Karakaya Yalcin B., İpek Torun B.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.841-858, 2020 (SCI-Expanded)
- XI. **H<sub>2</sub> adsorption on Cu(I)-ZSM-5: Exploration of Cu(I)-exchange in solution**  
Altıparmak İ., Karakaya B., Üner D., İpek Torun B.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.44, pp.18866-18874, 2019 (SCI-Expanded)
- XII. **H<sub>2</sub> Adsorption on Cu(I)-SSZ-13**  
İpek B., Pollock R. A., Brown C. M., Üner D., Lobo R. F.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.122, pp.540-548, 2018 (SCI-Expanded)
- XIII. **Formation of [Cu<sub>2</sub>O<sub>2</sub>](2+) and [Cu<sub>2</sub>O](2+) toward C-H Bond Activation in Cu-SSZ-13 and Cu-SSZ-39**  
İpek B., Wulfers M. J., Kim H., Goltl F., Hermans I., Smith J. P., Booksh K. S., Brown C. M., Lobo R. F.  
ACS CATALYSIS, vol.7, pp.4291-4303, 2017 (SCI-Expanded)
- XIV. **Catalytic conversion of methane to methanol on Cu-SSZ-13 using N<sub>2</sub>O as oxidant**  
İpek B., Lobo R. F.  
CHEMICAL COMMUNICATIONS, vol.52, no.91, pp.13401-13404, 2016 (SCI-Expanded)
- XV. **Conversion of methane to methanol on copper-containing small-pore zeolites and zeotypes**  
Wulfers M. J., Teketel S., İpek B., Lobo R. F.  
CHEMICAL COMMUNICATIONS, vol.51, no.21, pp.4447-4450, 2015 (SCI-Expanded)
- XVI. **Rotational dynamics of organic cations in the CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> perovskite**  
Chen T., Foley B. J., İpek B., Tyagi M., Copley J. R. D., Brown C. M., Choi J. J., Lee S.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.17, no.46, pp.31278-31286, 2015 (SCI-Expanded)
- XVII. **CO<sub>2</sub> utilisation by photocatalytic conversion to methane and methanol**  
Üner D., Oymak M. M., İpek B.  
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.3, pp.142-162, 2011 (SCI-Expanded)

## Books & Book Chapters

- I. **On the Limits of Photocatalytic Water Splitting**  
İPEK TORUN B., ÜNER D.  
in: Water Chemistry, Dr. Murat Eyvaz, Editor, IntechOpen, pp.1-23, 2019
- II. **Artificial Photosynthesis from a Chemical Engineering Perspective**  
İPEK B., ÜNER D.  
in: Artificial Photosynthesis, Dr Mohammad Najafpour, Editor, Intech, Rijeka, pp.13-36, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **Development of Mesoporous Nickel-Zeolites and Effect of La<sub>2</sub>O<sub>3</sub> and CeO<sub>2</sub> Promotion for CO<sub>2</sub> Conversion to Methane**  
Kizil A., Ipek Torun B.  
9th National Catalysis Congress, Çanakkale, Turkey, 7 - 09 September 2023
- II. **Theoretical Investigation of CO<sub>2</sub> hydrogenation to CH<sub>4</sub> on Ce/Ni(100) and Ce/Ni(110)**  
Osmanağa S., Kaya Y., Önal I., Ipek Torun B.  
9th National Catalysis Congress, Çanakkale, Turkey, 7 - 09 September 2023
- III. **Effect of Cu loading on Continuous Methane to Methanol Partial Oxidation activity on Cu-FER and Cu-SSZ-39**  
Yilmaz A. A., Ipek Torun B.  
9th National Catalysis Congress, Çanakkale, Turkey, 7 - 09 September 2023
- IV. **Metanın Metanole Bakır-Zeolitlerle Doğrudan Çevirimi**  
Yilmaz A. A., Ipek Torun B.  
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 4 - 07 September 2023
- V. **Karbondioksitin Metana Dönüştürülmesi İçin Nikel İçeren ZSM-5, US-Y, Beta Zeolit Geliştirilmesi**  
Kizil A., Ipek Torun B.  
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 4 - 07 September 2023
- VI. **Continuous Methane to Methanol Partial Oxidation Using Cu-Ferrierite**  
Yilmaz A. A., Ipek Torun B.  
15th European Congress on Catalysis, Praha, Czech Republic, 27 August - 01 September 2023
- VII. **Effect of La<sub>2</sub>O<sub>3</sub> and CeO<sub>2</sub> Promotion on CO<sub>2</sub> Conversion to Methane Using Mesoporous ZSM-5, US-Y and BEA Supported Ni-Catalysts**  
Kizil A., Ipek Torun B.  
15th European Congress on Catalysis, Praha, Czech Republic, 27 August - 01 September 2023
- VIII. **DEVELOPMENT OF MESOPOROUS NICKEL-ZEOLITES FOR CO<sub>2</sub> CONVERSION TO METHANE**  
Kizil A., Ipek Torun B.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023
- IX. **Active Site Candidates for Direct Methane to Methanol Conversion on Fe-MOR**  
Gökçe I., Özbek M. O., Ipek Torun B.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023
- X. **Trikloroetenin nikel içerikli katalizörlerle hidrodeklorinasyon yöntemiyle arındırılması**  
AKYILDIZ E., ÇELİK G., İPEK TORUN B.  
ASC-6 Anatolian School of Catalysis, İzmir, Turkey, 23 - 28 September 2022
- XI. **Ni Loaded on Dealuminated Mordenites for Aqueous-phase and Gas-phase Hydrodechlorination of Trichloroethylene**  
AKYILDIZ E., İPEK TORUN B., ÇELİK G.  
16th Nanoscience and Nanotechnology Conference, Ankara, Turkey, 5 - 08 September 2022
- XII. **EFFECT OF Co<sup>2+</sup> AND Ni<sup>2+</sup> CATIONS ON H<sub>2</sub> STORAGE PROPERTIES OF ZEOLITES**  
Sarohan N., Özbek M. O., Ipek Torun B.

- 20th International Zeolite Conference, Valencia, Spain, 3 - 08 July 2022
- XXIII. **High H<sub>2</sub> Uptake on Co(II)- and Ni(II)- exchanged ZSM-5 and US-Y having Optimal Heat of Adsorption Values**  
SAROHAN N., ÖZBEK M. O., KAYA Y., İPEK TORUN B.  
23rd World Hydrogen Energy Conference, İstanbul, Turkey, 26 - 30 June 2022
- XIV. **Catalytic Conversion of Methane to Methanol over Iron-Exchanged Zeolites**  
Gökçe İ., İpek Torun B.  
8. Ulusal Kataliz Kongresi, Ankara, Turkey, 9 - 12 September 2021
- XV. **Carbon Dioxide Hydrogenation to Methanol over Cu/GaxOy/γ-Al<sub>2</sub>O<sub>3</sub> under Ambient Pressure**  
Osmanağa S., İpek Torun B.  
8. Ulusal Kataliz Kongresi, Ankara, Turkey, 9 - 12 September 2021
- XVI. **Atmosferik Basınçta Bakır ve Galyum içeren Katalizörlerle Karbondioksit Hidrojenlenmesi ile Metanol Eldesi**  
Osmanağa S., İpek Torun B.  
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021
- XVII. **The Optimal Isosteric Heat of H<sub>2</sub> Adsorption on Co(II)- and Ni(II)- exchanged ZSM-5 and US-Y**  
Sarohan N., İpek Torun B.  
5th International Hydrogen Technologies Congress, Niğde, Turkey, 26 - 28 May 2021
- XVIII. **Effect of Mesoporosity in Continuous Methane Conversion to Methanol using Cu- and Fe-exchanged zeolites**  
GÖKÇE İ., İPEK TORUN B.  
American Chemical Society Spring 2021 Meeting, United States Of America, 5 - 16 April 2021
- XIX. **Mesoporous SSZ-13 synthesis via accelerated hydrolysis and condensation of tetraethyl orthosilicate**  
İpek Torun B.  
2020 EFCATS Summer School, Piran, Slovenia, 15 - 19 September 2020
- XX. **Continuous methanol production from methane on Cu-SSZ-39 and Cu-mordenite**  
Memioğlu Ö., İpek Torun B.  
11th International Conference on Environmental Catalysis, Manchester, United Kingdom, 7 - 09 September 2020
- XXI. **Synthesis of nano [B]-ZSM-5 for Methanol to Propylene Reaction**  
Karakaya B., İpek Torun B.  
14th European Congress on Catalysis, Aachen, Germany, 18 - 23 August 2019
- XXII. **H<sub>2</sub> Storage at Ambient Temperature using Cu(I)-SSZ-39**  
İpek Torun B., Altıparmak İ., Üner D.  
4. Uluslararası Hidrojen Teknolojileri Konferansı, Edirne, Turkey, 20 - 23 June 2019
- XXIII. **Continuous Methanol Production from Methane Using N<sub>2</sub>O as Oxidant**  
İpek Torun B., Lobo R. F.  
7. Ulusal Kataliz Kongresi, Denizli, Turkey, 9 - 12 September 2018, pp.142
- XXIV. **Design of Mesoporous Small-Pore Zeolites for Direct Conversion of Methane to Methanol**  
Memioğlu Ö., İpek Torun B.  
7. Ulusal Kataliz Kongresi, Denizli, Turkey, 9 - 12 September 2018, pp.55
- XXV. **MEZO-GÖZENEKLİ [B]-ZSM-5 ve [Al]-ZSM-5 SENTEZİ**  
Karakaya B., İpek B.  
13. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ, Van, Turkey, 3 - 06 September 2018
- XXVI. **Cl-free Cu(I)-exchange of Zeolites in Liquid Media**  
Altıparmak İ., İpek B.  
9th Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 31 August - 02 September 2018
- XXVII. **Synthesis of Mesoporous [B]-ZSM-5 and [Al]-ZSM-5 Using Soft Templates**  
Karakaya B., İpek B.  
9th Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 31 August - 02 September 2018
- XXVIII. **Catalytic Methane Conversion to Methanol on Cu-SSZ-13**

İpek Torun B., Lobo R. F.

The 8th Tokyo Conference on Advanced Catalytic Science and Technology, Yokohama, Japan, 5 - 10 August 2018, pp.100

- XXIX. **H<sub>2</sub> Adsorption on Cu(I)-ZSM-5: Exploration of Cu(I)-exchange in Solution**  
Altıparmak I., Karakaya B., İpek Torun B.  
3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.36-39
- XXX. **[Cu<sub>2</sub>Oy]<sub>2</sub> Formation in SSZ-13 for Methane Conversion to Methanol**  
İpek B., Wulfers M. J., Kim H., Goeltl F., Brown C. M., Lobo R. F.  
13th Nanoscience And Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017
- XXXI. **Mesoporous ZSM-5 Synthesis**  
Karakaya B., İPEK B.  
4. Anadolu Kataliz Okulu, İzmir, Turkey, 11 - 14 September 2017
- XXXII. **HYDROGEN ADSORPTION ON Cu(I)-EXCHANGED ZEOLITES**  
Altıparmak İ., İPEK B.  
4. Anadolu Kataliz Okulu, İzmir, Turkey, 11 - 14 September 2017
- XXXIII. **Oxidation Of Copper-exchanged Small-pore Zeolites And The Active Site For Methane Conversion**  
İPEK B., Wulfers M. J., Smith J. P., Booksh K. S., Brown C. M., Lobo R. F.  
International Chemical Congress Of Pacific Basin Societies, Honolulu, United States Of America, 15 - 20 December 2015
- XXXIV. **Oxidation Of Cu-ssz-13 And Active Site Characterization For Methane Conversion**  
İPEK B., Wulfers M. J., Smith J. P., Booksh K. S., Brown C. M., Lobo R. F.  
American Chemical Society National Meeting, Boston, United States Of America, 16 - 20 August 2015
- XXXV. **Methane to Methanol Conversion on Cu-SSZ-13, -SSZ-16 and -SSZ-39**  
İPEK B., Wulfers M. J., Teketel S., Smith J. P., Booksh K. S., Lobo R. F.  
North American Catalysis Society Meeting, Pittsburg, United States Of America, 14 - 19 June 2015
- XXXVI. **Methane to Methanol Conversion on Copper- Containing Small-Pore Zeolites**  
İpek B., Wulfers M. J., Teketel S., Lobo R. F.  
American Chemical Society National Meeting, Colorado, United States Of America, 22 - 26 March 2015
- XXXVII. **Hydrogen Adsorption By Cu(I)-y, -ssz-13 And -zk-5**  
İPEK B., Brown C. M., Lobo R. F.  
17th International Zeolite Conference, Moskva, Russia, 7 - 12 July 2013
- XXXVIII. **A Microkinetic Analysis to Elucidate the Role of Cu or Pt in Photocatalytic H<sub>2</sub> Evolution Reactions**  
İpek Torun B., Üner D.  
EFCATS Summer School, Maastricht, Netherlands, 20 - 23 June 2011, pp.1
- XXXIX. **Transport Processes in Liquid Phase Photocatalytic Reaction Tests**  
İpek Torun B., Üner D.  
6th EFCATS Summer School, İzmir, Turkey, 13 - 19 September 2010, pp.1
- XL. **Photocatalytic CO<sub>2</sub> Reduction in Liquid Media with Cu/TiO<sub>2</sub>**  
İpek Torun B., Üner D.  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries, Antalya, Turkey, 7 - 12 March 2010, pp.1
- XLI. **CO<sub>2</sub> Utilization by Photocatalytic Conversion to Lower Hydrocarbons and Alcohols**  
Oymak M. M., İpek Torun B., Üner D.  
Global Conference on Global Warming, İstanbul, Turkey, 5 - 09 July 2009, pp.1

## Supported Projects

İpek Torun B., Özbek M. O., TUBITAK Project, Fe-Mordenit Yapılarda Metan Gazının Metanole Dönüşüm Sürecinin Hesaplamalı Kimya Metotları İle İncelenmesi, 2023 - 2023

İPEK TORUN B., Project Supported by Higher Education Institutions, Cu-Ferrierite ile metandan metanol eldesi ve

katalizör karakterizasyonları, 2021 - 2022

İPEK TORUN B., TUBITAK Project, Atmosferik Basıncıta Holmiyum İçeren Destekli Katalizörlerle CO<sub>2</sub> Hidrojenlenmesi, 2019 - 2022

İPEK TORUN B., Project Supported by Higher Education Institutions, Co ve Ni İçeren Zeolitlerle H<sub>2</sub> depolama, 2020 - 2021

İpek Torun B., TUBITAK Project, Özgün Zeolitlerle Metanın Tek Aşamada Metanole Çevrilmesi, 2018 - 2021

İPEK TORUN B., ALTIPARMAK İ., KARAKAYA B., MEMİOĞLU Ö., Project Supported by Higher Education Institutions, Gaz depolama ve kataliz alanlarında kullanılmak üzere fonksiyonel zeolit sentezi, 2018 - 2019

İPEK TORUN B., KARAKAYA B., ALTIPARMAK İ., Project Supported by Higher Education Institutions, Mezo-gözenekli Al ve B içerikli zeolit sentezi, 2018 - 2019

İPEK TORUN B., TUBITAK Project, Cu(I) içeren Zeolitlerde H<sub>2</sub> depolama, 2017 - 2019

## Memberships / Tasks in Scientific Organizations

American Chemical Society, Member, 2020 - Continues, United States Of America

Catalysis Society of Turkey, Member, 2017 - Continues, Turkey

## Scientific Refereeing

ACS CATALYSIS, Journal Indexed in SCI-E, October 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, April 2022

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, February 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, August 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, December 2020

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, November 2020

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, August 2020

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Journal Indexed in SCI-E, May 2020

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, August 2019

Turkish Journal Of Chemistry, Journal Indexed in SCI-E, January 2019

TURKISH JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, November 2018

Chemistry Of Materials, Journal Indexed in SCI-E, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2018

TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, May 2018

ACS Catalysis, Journal Indexed in SCI-E, April 2018

## Tasks In Event Organizations

Üner D., Özdemir İ., Kılınçarslan R., Önsan Z. İ., Akın A. N., Erdem E., Karapınar E., Karakuş M., Uzun A., Tapan N. A., et al., 7. Ulusal Kataliz Kongresi, Scientific Congress, Denizli, Turkey, Eylül 2018

Çalık P., Ayrancı Tansık İ., Büküşođlu E., Bat E., İpek Torun B., ÜNER D., 9th Eastern Mediterranean Chemical Engineering Conference, Scientific Congress, Ankara, Turkey, Eylül 2018

## **Metrics**

Publication: 66

Citation (WoS): 1017

Citation (Scopus): 1080

H-Index (WoS): 9

H-Index (Scopus): 10

## **Invited Talks**

6. Anadolu Kataliz Yaz Okulu, Conference, Anadolu Kataliz Derneđi, Turkey, September 2022

Cu- and Fe-exchanged zeolites for direct methane conversion to methanol, Seminar, İhsan Dođramacı Bilkent Üniversitesi, Turkey, November 2019

## **Scholarships**

Fraser and Shirley Russell Teaching Fellow in Chemical Engineering, University, 2014 - 2015