

## Prof. NURAY OKTAR

### Personal Information

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### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1996 - 2001

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), Turkey 1989 - 1991

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1986 - 1989

### Dissertations

Postgraduate, Fonksiyonel hidrofilik mikropartiküllerin süspansiyon polimerizasyonu ile üretimi, yapısal karakterizasyonu ve protein adsorpsiyon kinetiğinin incelenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI) (Tezli), 1991

Doctorate, Kurşunsuz benzin katkı maddesi tersiyer eterlerinin üretim reaksiyon kinetiği, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 1990

### Research Areas

Chemical Reaction Engineering

### Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2014 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - Continues

Assistant Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2005 - 2009

Research Assistant, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 1996 - 2001

### Courses

KM 341 KİMYASAL REAKSİYON MÜHENDİSLİĞİ-NORMAL ÖĞRETİM, Undergraduate, 2016 - 2017

KM 491 LİSANS ARAŞTIRMA PROJESİ-NORMAL ÖĞRETİM, Undergraduate, 2016 - 2017

KM 491 LİSANS ARAŞTIRMA PROJESİ-İKİNCİ ÖĞRETİM, Undergraduate, 2016 - 2017

KM 341 KİMYASAL REAKSİYON MÜHENDİSLİĞİ İKİNCİ ÖĞRETİM, Undergraduate, 2016 - 2017

KM 492 BİTİRME ÖDEVİ-İKİNCİ ÖĞRETİM, Undergraduate, 2016 - 2017

### Advising Theses

OKTAR N., Silika destekli katalizörler varlığında alternatif yakıt üretimi: Dimetil eter - metanol, Postgraduate, M.ÇELİK(Student), 2020

OKTAR N., Karbon monoksit ile karbon dioksitten dimetil eter sentezi için katalizör geliştirilmesi ve reaktör uygulamaları, Doctorate, B.PEKMEZCİ(Student), 2020

OKTAR N., Direct Dimethyl Ether Synthesis From Syngas Over Mesoporous Alumina Supported Tungstophosphoric Acid Catalysts: Effect Of Pressure, Temperature And Catalyst Ratio, Postgraduate, D.ERKAL(Student), 2019

OKTAR N., Tungstofosforik asit içerikli mezogözenekli alümina katalizörleri ile sentez gazından doğrudan dimetil eter üretimi: basınç, sıcaklık ve katalizör oranının etkisi, Postgraduate, D.ERKAL(Student), 2019

OKTAR N., Nikel ve kobalt içerikli mezogözenekli alümina katalizörleri ile hidrojen zengin sentez gazı üretimi, Postgraduate, Ş.ÖZEL(Student), 2019

OKTAR N., Katalitik etan dehidrojenasyonu ile hidrojen ve etilen üretimi, Postgraduate, B.ERYILDIRIM(Student), 2019

OKTAR N., Krom ve molibden içerikli mezogözenekli alümina destekli katalizörlerin etan dehidrojenasyonunda mikrodalga reaktörde incelenmesi, Postgraduate, P.ÇİTLİ(Student), 2019

OKTAR N., Alternative Fuel Production From Biomass, Postgraduate, N.ÇAKIRYILMAZ(Student), 2018

OKTAR N., Studies Of Etherification Reaction Of Glycerol Which Is By-Product In Biodiesel Production, Postgraduate, F.KURU(Student), 2016

OKTAR N., Etherification of biodiesel by-product glycerol to produce fuel oxygenates, Postgraduate, B.İKİZER(Student), 2014

OKTAR N., Biyodizel yan ürünü gliserolün değerli kimyasallara dönüştürülmesi üzerine kinetik çalışmalar, Postgraduate, A.ÖZTÜRK(Student), 2013

OKTAR N., Catalysts synthesis for glycerol esterification, characterization and catalysts performance test studies, Doctorate, E.EKİNCİ(Student), 2013

OKTAR N., Synthesis of glycerol tertiary ethers and investigation of reaction kinetics, Doctorate, N.ÖZBAY(Student), 2013

OKTAR N., Esterification of acetic acid with different alcohols in the presence of acidic ion- exchange resins, Postgraduate, G.GÜNDÜZ(Student), 2012

OKTAR N., FORMULATION OF NEW HIGH QUALITY FUELS BY ETHERIFICATION OF GLYCEROL WHICH IS A BY-PRODUCT IN BIODIESEL PRODUCTION, Postgraduate, N.ÖZBAY(Student), 2008

OKTAR N., KINETIC STUDIES FOR THE PRODUCTION OF ETHYL TERT BUTYL ETHER (ETBE) IN LIQUID PHASE UNLEAD GASOLINE ADDITIVES, Postgraduate, F.SARIÇAM(Student), 2008

OKTAR N., Azot oksit (NO<sub>x</sub>) tutucu adsorbent geliştirme ve karakterizasyonu, Postgraduate, E.KAYA(Student), 2007

OKTAR N., SYNTHESIS AND CHARACTERIZATION OF NO<sub>x</sub> ADSORBENTS, Postgraduate, E.KAYA(Student), 2007

OKTAR N., Benzin katkı maddesi etil tersiyer bütül eter (ETBE) sentezi ve reaksiyon kinetiğinin incelenmesi, Postgraduate, N.ŞEN(Student), 2007

OKTAR N., SYNTHESIS OF GASOLINE ADDITIVES ETHYL TERT-BUTYL ETHER (ETBE) AND INVESTIGATION OF REACTION KINETICS, Postgraduate, N.ŞEN(Student), 2007

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Coke-resistance enhancement of mesoporous  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> and MgO-supported Ni-based catalysts for sustainable hydrogen generation via steam reforming of acetic acid**  
Ibrahim S. A., Ekinci E., Karaman B. P., Oktar N.  
International Journal of Hydrogen Energy, vol.46, pp.38281-38298, 2021 (Journal Indexed in SCI)
- II. **Experimental Study on the Liquid-Phase Adsorption Equilibrium of n-Butanol over Amberlyst (TM) 15 and Contribution of Diffusion Resistances**  
Soto R., OKTAR N., Fite C., Ramirez E., Bringue R., Tejero J.  
CHEMICAL ENGINEERING & TECHNOLOGY, 2021 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **Tungstophosphoric acid incorporated hierarchical HZSM-5 catalysts for direct synthesis of dimethyl ether**

- Karaman B., OKTAR N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.60, pp.34793-34804, 2020 (Journal Indexed in SCI)
- V. **Bifunctional Silicotungstic Acid and Tungstophosphoric Acid Impregnated Cu-Zn-Al & Cu-Zn-Zr Catalysts for Dimethyl Ether Synthesis from Syngas**  
PEKMEZCİ KARAMAN B., OKTAR N., Dogu G., DOĞU T.  
CATALYSIS LETTERS, vol.150, no.9, pp.2744-2761, 2020 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **Production of value-added chemicals from esterification of waste glycerol over MCM-41 supported catalysts**  
EKİNCİ E., OKTAR N.  
GREEN PROCESSING AND SYNTHESIS, vol.8, no.1, pp.128-134, 2019 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **Adsorption of C-1-C-4 Alcohols, C-4-C-5 Isoolefins, and their Corresponding Ethers over Amberlyst35**  
Soto R., OKTAR N., Fite C., Ramirez E., Bringue R., Tejero J.  
CHEMICAL ENGINEERING & TECHNOLOGY, vol.40, no.5, pp.889-899, 2017 (Journal Indexed in SCI)
- XIII. **Activity Comparison of Acidic Resins in the Production of Valuable Glycerol Acetates**  
EKİNCİ E., Gunduz G., OKTAR N.  
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.14, no.1, pp.309-314, 2016 (Journal Indexed in SCI)
- XIV. **Etherification of glycerol with C-4 and C-5 reactive olefins**  
Ikizer B., OKTAR N., DOĞU T.  
FUEL PROCESSING TECHNOLOGY, vol.138, pp.570-577, 2015 (Journal Indexed in SCI)
- XV. **PRODUCTION OF VALUABLE CHEMICALS VIA ESTERIFICATION AND ACETYLATION OF GLYCEROL, BY-PRODUCT OF BIODIESEL**  
EKİNCİ E., Gunduz G., OKTAR N.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.3, pp.443-450, 2015 (Journal Indexed in SCI)
- XVI. **Activity Comparison of Different Solid Acid Catalysts in Etherification of Glycerol with tert-Butyl Alcohol in Flow and Batch Reactors**  
Ozbay N., OKTAR N., Dogu G., DOĞU T.  
TOPICS IN CATALYSIS, vol.56, pp.1790-1803, 2013 (Journal Indexed in SCI)
- XVII. **POLYHEMA BASED SILICOTUNGSTIC ACID CATALYSTS FOR VAPOR PHASE ETHYL TERT-BUTYL ETHER (ETBE) SYNTHESIS**

- DEĞİRMENCİ L., OKTAR N.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.3, pp.641-650, 2012 (Journal Indexed in SCI)
- XVIII. **Effects of Sorption Enhancement and Isobutene Formation on Etherification of Glycerol with tert-Butyl Alcohol in a Flow Reactor**  
Ozbay N., OKTAR N., Dogu G., DOĞU T.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.26, pp.8788-8795, 2012 (Journal Indexed in SCI)
- XIX. **TRANSESTERIFICATION REACTION OVER BASIC AMBERLYST RESIN CATALYSTS AND OPTIMIZATION VIA RESPONSE SURFACE METHODOLOGY**  
OKTAR N., Ozbay N., Aydin F., TAPAN N. A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.1, pp.71-79, 2012 (Journal Indexed in SCI)
- XX. **Activated Carbon Supported Silicotungstic Acid Catalysts for Ethyl-tert-butyl ether Synthesis**  
DEĞİRMENCİ L., OKTAR N., Dogu G.  
AIChE JOURNAL, vol.57, no.11, pp.3171-3181, 2011 (Journal Indexed in SCI)
- XXI. **ETBE synthesis over silicotungstic acid and tungstophosphoric acid catalysts calcined at different temperatures**  
Degirmenci L., OKTAR N., Dogu G.  
FUEL PROCESSING TECHNOLOGY, vol.91, no.7, pp.737-742, 2010 (Journal Indexed in SCI)
- XXII. **Conversion of Biodiesel By-Product Glycerol to Fuel Ethers over Different Solid Acid Catalysts**  
Ozbay N., OKTAR N., Dogu G., DOĞU T.  
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.8, 2010 (Journal Indexed in SCI)
- XXIII. **Synthesis and characterization of Ba/MCM-41**  
Kaya E., OKTAR N., KARAKAŞ G., Murtezaoglu K.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.6, pp.935-943, 2010 (Journal Indexed in SCI)
- XXIV. **Thermodynamic Study of Liquid Phase Synthesis of Ethyl tert-Butyl Ether Using tert-Butyl Alcohol and Ethanol**  
Ozbay N., OKTAR N.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.54, no.12, pp.3208-3214, 2009 (Journal Indexed in SCI)
- XXV. **Product Distributions in Ethyl tert-Butyl Ether Synthesis over Different Solid Acid Catalysts**  
Degirmenci L., OKTAR N., Dogu G.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.48, no.5, pp.2566-2576, 2009 (Journal Indexed in SCI)
- XXVI. **Esterification of free fatty acids in waste cooking oils (WCO): Role of ion-exchange resins**  
Ozbay N., OKTAR N., TAPAN N. A.  
FUEL, vol.87, pp.1789-1798, 2008 (Journal Indexed in SCI)
- XXVII. **Use of biodiesel byproduct crude glycerol as the carbon source for fermentation processes by recombinant *Pichia pastoris***  
Celik E., Ozbay N., OKTAR N., ÇALIK P.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.9, pp.2985-2990, 2008 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **The Role of In situ NH<sub>3</sub> Production in NO Reduction with CH<sub>4</sub> Over Cu Doped Pd Catalysts**  
MUNTEANU R., OKTAR N., HOLMGREEN E., OZKAN U.  
JOURNAL OF ENVIRONMENTAL ENGINEERING AND MANAGEMENT, vol.16, pp.1-10, 2006 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Destekli Nikel İçerikli Katalizörler ile Biyokütleden Hidrojen Üretimi Katalizör Destek Malzemelerinin ve Reaksiyon Sıcaklığının Etkileri**  
Saleh A. I. , Ekinci E., Pekmezci Karaman B., Oktar N.  
32. Ulusal Kimya Kongresi, Ankara, Turkey, 17 - 19 September 2020
- II. **Characterization and catalytic activity of Ni/mesoporous aluminosilicate HMS and Mo/mesoporous aluminosilicate HMS in the conversion of n-hexadecane**  
Vassilina G., Umbetkaliyeva K., OKTAR N., PEKMEZCİ KARAMAN B., Vassilina T.  
6th International Russian-Kazakhstan Conference on Chemical Technologies of Functional Materials, Almaty, Kazakhstan, 9 - 10 April 2020, vol.31, pp.580-583
- III. **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
- IV. **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
- V. **Metanol dehidrasyon Katalizörünün Sentez Gazından Doğrudan Dimetil Eter Üretim Reaksiyonuna Etkisi**  
PEKMEZCİ KARAMAN B., OKTAR N., SEZGİ N. A. , Doğu G., Doğu T.  
UKMK 13, Turkey, 3 - 06 September 2018
- VI. **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
- VII. **Direct Synthesis of Dimethyl Ether From Syngas Over Silicotungstic Acid Containing Catalyst**  
ÇELİK M., PEKMEZCİ KARAMAN B., OKTAR N., DOĞU G., DOĞU T.  
4th International Hydrogen Technologies Congress (IHTEC 2019), 20 - 23 June 2019
- VIII. **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
- IX. **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
- X. **Direct Synthesis of Dimethyl Ether on TPA Incorporated HZSM-5 Zeolites**  
PEKMEZCİ KARAMAN B., OKTAR N., DOĞU G., DOĞU T.  
4th International Hydrogen Technologies Congress (IHTEC 2019), 20 - 23 June 2019
- XI. **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
- XII. **Biyokütle Kaynaklı Hidrojen Üretimi: Co-Ni Esaslı Katalizörler ve Mg Etkisi**  
ÖZEL Ş., ARBAĞ H., OKTAR N., DOĞU G., DOĞU T.  
13. Ulusal Kimya Mühendisliği Kongresi (UKMK 2018), Turkey, 3 - 06 September 2018
- XIII. **TUD-1 Destekli Ni Katalizörlerin Varlığında Asetik Asitten Reformlama Reaksiyonuyla Hidrojen Üretimi**  
Ekinci E., Oruç M., Arbağ H., Oktar N., Mürtezaoğlu K.  
Ulusal Kimya Mühendisliği Kongresi UKMK-13, Van, Turkey, 3 - 06 September 2018
- XIV. **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.  
13. Ulusal Kimya Mühendisliği Kongresi (UKMK 2018), Van, Turkey, 3 - 06 September 2018

- XV. **Ni Incorporated TUD-1 Synthesis, Characterization and Catalytic Performances in Hydrogen Production**  
EKİNCİ E., Oruç M., ARBAĞ H., OKTAR N., MÜRTEZAOĞLU K.  
EMCC-9, 31 August - 02 September 2018
- XVI. **Acetic Acid Steam Reforming over Ni, Co and Mg Impregnated Alumina Catalyst**  
ÖZEL Ş., ARBAĞ H., OKTAR N., DOĞU G., DOĞU T.  
9th Eastern Mediterranean Chemical Engineering Conference (EMCC9), 31 August - 02 September 2018
- XVII. **Temperature Effect on Methanol Synthesis from Syngas over Cu-Zn Based Catalyst**  
PEKMEZCİ KARAMAN B., OKTAR N., Doğu G., SEZGİ N. A. , Doğu T.  
EMCC 9, 31 August - 02 September 2018
- XVIII. **Direct Synthesis of Dimethyl Ether from Syngas over SBA-15: Effect of STA Incorporation onto Product Distribution**  
ÇELİK M., PEKMEZCİ KARAMAN B., OKTAR N., DOĞU G., DOĞU T.  
9th Eastern Mediterranean Chemical Engineering Conference (EMCC9), 31 August - 02 September 2018
- XIX. **Copper-Zinc Based Bifunctional Catalysts Containing Zirconia and Alumina Promoters for Methanol Synthesis**  
PEKMEZCİ KARAMAN B., OKTAR N., SEZGİ N. A. , Doğu G., Doğu T.  
International Congress on Engineering and Life Science, 26 - 29 April 2018
- XX. **Adsorption of NO<sub>x</sub> on Barium-based MCM-41 sorbents**  
Ekinci E., Mürtezoğlu K., Oktar N.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018
- XXI. **Performance of Ni Incorporated Silica and Alumina Based Catalysts in Hydrogen Production from Biomass**  
PEKMEZCİ KARAMAN B., Çakryılmaz N., OKTAR N., ARBAĞ H., Dogu G., Doğu T.  
The third international hydrogen technologies congress (IHTEC-2018), Alanya, Turkey, 15 - 18 March 2018
- XXII. **Acetic acid steam reforming over Ni impregnated MCM-41 catalyst: Effect of feed composition**  
Çakryılmaz N., ARBAĞ H., OKTAR N., Dogu G., Doğu T.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), Turkey, 12 - 15 September 2017
- XXIII. **Activity Tests of Alumina Supported Ni and Co Catalysts in Acetic Acid Steam Reforming Reaction**  
Özel Ş., ARBAĞ H., OKTAR N., Dogu G., Doğu T.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), Turkey, 12 - 15 September 2017
- XXIV. **Performance of TPA Incorporated Cu-Zn based Catalysts in Dimethyl Ether and Methanol Synthesis from Syngas**  
PEKMEZCİ KARAMAN B., OKTAR N., SEZGİ N. A. , GÜLŞEN D., TİMUR D.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), 12 - 15 September 2017
- XXV. **Effect of Pressure on Direct Dimethyl Ether (DME) Synthesis from Syngas over Tungstophosphoric Acid (TPA) Impregnated Mesoporous Alumina Catalyst**  
ERKAL D., OKTAR N., SEZGİ N. A. , DOĞU G., DOĞU T.  
The Porous and Powder Materials Symposium and Exhibitions (PPM 2017), 12 - 15 September 2017
- XXVI. **Development of Bifunctional Catalyst for the Single-Step Synthesis of Dimethyl Ether**  
Şener M. İ. , SEZGİ N. A. , Doğu T., OKTAR N.  
4th Anatolian School of Catalysis, 11 - 14 September 2017
- XXVII. **Ni-W impregnated Zr-MCM-41 catalysts for steam reforming of acetic acid**  
Çakryılmaz N., ARBAĞ H., OKTAR N., Dogu G., Doğu T.  
13th European Congress on Catalysis (EUROPACAT 2017), Floransa, Italy, 27 - 31 August 2017
- XXVIII. **Bio-based Hydrogen by Steam Reforming of Bio-Acetic Acid over Mesoporous Alumina Based Catalysts**  
PEKMEZCİ KARAMAN B., ARBAĞ H., OKTAR N., Dogu G., Doğu T.  
International Symposium on Green Chemistry 2017 (ISGC 2017), France, 16 - 19 May 2017
- XXIX. **Companion of Silica and Alumina Based Catalysis in Hydrogen Production from Biomass**

- PEKMEZCİ B., ÇAKIRYILMAZ N., ARBAĞ H., OKTAR N., Doğu G., Doğu T.  
The Second International Hydrogen Technologies Congress (IHTEC-2017), Adana, Turkey, 15 - 18 March 2017
- XXX. **Hydrogen Production by Steam Reforming of Bio oil Derived Acetic Acid over Ni Based Zr SBA 15 Type Mesoporous Catalysts**  
Çakıryılmaz N., OKTAR N., ARBAĞ H., Doğu G., Doğu T.  
2016 AIChE Annual Meeting, San-Francisco, Costa Rica, 13 - 18 November 2016
- XXXI. **Hydrogen Production by Steam Reforming of Acetic Acid in the Presence of Ni Containing Catalysts**  
PEKMEZCİ B., ÇAKIRYILMAZ N., ARBAĞ H., OKTAR N., DOĞU G., DOĞU T.  
22nd International Congress of Chemical and Process Engineering CHISA 2016, PRAG, Czech Republic, 27 - 31 August 2016
- XXXII. **Experimental liquid and gas phase study on adsorption of C1 C4 alcohols C4 C5 isoolefins and their corresponding ethers over Amberlyst TM 35**  
Soto R., OKTAR N., Fite C., Ramirez E., Bringue R., Tejero J.  
22nd International Congress of Chemical and Process Engineering CHISA 2016, Praq, Czech Republic, 27 - 31 August 2016
- XXXIII. **Doğrudan Sentez Gazından DME Methanol Üretimi**  
Erkal D., PEKMEZCİ B., OKTAR N., Dogu G., SEZGİ N. A. , Dogu T.  
UKMK 12, İzmir, Turkey, 23 - 26 August 2016
- XXXIV. **Tungstofosforik Asit Yüklü Mezogözenekli Alümina Katalizörlerin DME Üretimi İçin Sentezlenmesi**  
Şener M. İ. , SEZGİ N. A. , Dogu T., Dogu G., OKTAR N.  
UKMK 12, İzmir, Turkey, 23 - 26 August 2016
- XXXV. **Sentez Gazından Dimetil Eter DME Metanol Üretimi**  
ERKAL D., PEKMEZCİ B., OKTAR N., DOĞU G., SEZGİ N. A. , DOĞU T.  
12. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ, İzmir, Turkey, 23 - 26 August 2016
- XXXVI. **Ni Ve Cu Bazlı Katalizörlerle Asetik Asitten Hidrojen Üretimi**  
Çakıryılmaz N., ARBAĞ H., OKTAR N., Doğu G., Doğu T.  
Ulusal Kimya Mühendisliği Kongresi 2016, Çanakkale, Turkey, 23 - 26 August 2016
- XXXVII. **Effects Of Synthesis Route And Calcination Temperature On Structural And Acidic Properties Of Mesoporous Al<sub>2</sub>O<sub>3</sub>**  
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