

## Assoc. Prof. MERAL DÜKKANCI

### Personal Information

**Birthyear:** 1979

**Place of birth:** Bornova

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### Education Information

Post Doctorate, Coventry University, Sonochemistry Center, United Kingdom 2010 - 2011

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2005 - 2010

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI), Turkey 2001 - 2004

Under Graduate, Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1997 - 2001

### Foreign Languages

English, C1 Advanced

German, A1 Beginner

### Dissertations

Doctorate, Catalytic wet air oxidation and sonolytic degradation of some carboxylic acids dissolved in water, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2010

Post Graduate, Ultrasonic degradation of organic pollutants in water, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI), 2004

### Research Areas

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

### Academic Titles / Tasks

Associate Professor, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2018 - 2018

Assistant Professor, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2015 - 2018

Research Assistant, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2004 - 2015

### Courses

Principles and Applications of Sonochemistry (Bahar), Under Graduate, 2016 - 2017, 2017 - 2018

Conceptual Design II (Bahar), Under Graduate, 2016 - 2017, 2017 - 2018

Computer Programming (Bahar), Under Graduate, 2016 - 2017, 2017 - 2018  
Reaction Engineering II (Bahar), Under Graduate, 2017 - 2018  
Diploma Project (Yıllık), Under Graduate, 2016 - 2017, 2017 - 2018  
Reaction Engineering I (Güz), Under Graduate, 2016 - 2017, 2017 - 2018  
Engineering Graphics (Güz), Under Graduate, 2016 - 2017, 2017 - 2018  
Transport Processes in Heterogeneous Reactors (Güz), Post Graduate, 2016 - 2017, 2017 - 2018  
Transition into University Life (Güz), Under Graduate, 2016 - 2017, 2017 - 2018

## Advising Theses

Dükkancı M., PHOTOCATALYTIC OXIDATION OF CARBAMAZEPINE OVER PLASMONIC COMPOSITE PHOTOCATALYSTS IN THE PRESENCE OF VISIBLE LIGHT IRRADIATION, Post Graduate, G.YENTÜR(Student), 2020

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İzmir Yüksek Teknoloji Enstitüsü, June, 2019

Doctoral Examination, Doctoral Examination, İzmir Yüksek Teknoloji Enstitüsü, April, 2019

Doctoral Examination, Doktora Yeterlilik Sınavı Jüri Üyeliği, İzmir Yüksek Teknoloji Enstitüsü, November, 2018

Post Graduate, Tez Savunma Jüri Üyeliği, İzmir Yüksek Teknoloji Enstitüsü, July, 2018

Post Graduate, Tez Savunma Jüri Üyeliği, Ege Üniversitesi, June, 2018

Doctoral Examination, Doktora yeterlilik Sınavı, İzmir Yüksek Teknoloji Enstitüsü, April, 2018

Post Graduate, Tez Savunma Jüri Üyeliği, İzmir Yüksek Teknoloji Enstitüsü, December, 2017

Post Graduate, Tez Savunma Jüri Üyeliği, İzmir Yüksek Teknoloji Enstitüsü, December, 2016

Doctoral Examination, Doktora yeterlilik Sınavı, İzmir Yüksek Teknoloji Enstitüsü, November, 2016

Competition, XIII. İYTE Ne Üretelim? Etkinlikleri ve Proje Yarışması, İYTE, August, 2016

Doctorate, Tez Savunma Jüri Üyeliği, İzmir Yüksek Teknoloji Enstitüsü, July, 2016

Doctoral Examination, Doktora Yeterlilik Sınavı, İzmir Yüksek Teknoloji Enstitüsü, April, 2016

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

- I. **Synthesis of Visible-Light heterostructured photocatalyst of Ag/AgCl deposited on (040) facet of monoclinic BiVO<sub>4</sub> for efficient carbamazepine photocatalytic removal**  
Yentur G., DÜKKANCI M.  
APPLIED SURFACE SCIENCE, vol.531, 2020 (Journal Indexed in SCI)
- II. **Effects of catalyst preparation method and reaction parameters on the ultrasound assisted Photocatalytic oxidation of reactive yellow 84 dye**  
Donmez O., DÜKKANCI M., Gunduz G.  
JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, 2020 (Journal Indexed in SCI)
- III. **Fabrication of magnetically separable plasmonic composite photocatalyst of Ag/AgBr/ZnFe<sub>2</sub>O<sub>4</sub> for visible light photocatalytic oxidation of carbamazepine**  
Yentur G., DÜKKANCI M.  
APPLIED SURFACE SCIENCE, vol.510, 2020 (Journal Indexed in SCI)
- IV. **Treatment of Bisphenol-A Using Sonication-assisted Photo-Fenton Hybrid Process: Influence of Reaction Parameters**  
Dükkancı M.  
CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY, vol.33, pp.43-57, 2019 (Journal Indexed in SCI)
- V. **Heterogeneous sonocatalytic degradation of Bisphenol-A and the influence of the reaction**

**parameters and ultrasonic frequency**

Dükkancı M.

WATER SCIENCE AND TECHNOLOGY, vol.79, pp.386-397, 2019 (Journal Indexed in SCI)

- VI. **Sono-photo-Fenton oxidation of bisphenol-A over a LaFeO<sub>3</sub> perovskite catalyst**  
Dükkancı M.  
ULTRASONICS SONOCHEMISTRY, vol.40, pp.110-116, 2018 (Journal Indexed in SCI)
- VII. **Influence of ultrasound on the heterogeneous Fenton-like oxidation of acetic acid**  
Cihanoğlu A., Gündüz G., Dükkancı M.  
WATER SCIENCE AND TECHNOLOGY, vol.76, pp.2793-2801, 2017 (Journal Indexed in SCI)
- VIII. **Heterogeneous Fenton-like oxidation of crystal violet using an iron loaded ZSM-5 zeolite**  
Unnu B. A. , Gündüz G., Dükkancı M.  
DESALINATION AND WATER TREATMENT, vol.57, pp.11835-11849, 2016 (Journal Indexed in SCI)
- IX. **Degradation of bisphenol-a using a sonophoto Fenton-like hybrid process over a LaFeO<sub>3</sub> perovskite catalyst and a comparison of its activity with that of a TiO<sub>2</sub> photocatalyst**  
Dükkancı M.  
TURKISH JOURNAL OF CHEMISTRY, vol.40, pp.784-801, 2016 (Journal Indexed in SCI)
- X. **Preparation and characterisation of silver- or copper-doped TiO<sub>2</sub> catalysts and their catalytic activity in dye degradation**  
Lozovskyi O., Gündüz G., Dükkancı M., Prihod'ko R.  
COLORATION TECHNOLOGY, vol.131, pp.245-254, 2015 (Journal Indexed in SCI)
- XI. **Degradation of acetic acid by heterogeneous Fenton-like oxidation over iron-containing ZSM-5 zeolites**  
Cihanoğlu A., Gündüz G., Dükkancı M.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.165, pp.687-699, 2015 (Journal Indexed in SCI)
- XII. **Degradation of a textile dye, Rhodamine 6G (Rh6G), by heterogeneous sonophotoFenton process in the presence of Fe-containing TiO<sub>2</sub> catalysts**  
Demir N., Gündüz G., Dükkancı M.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, pp.3193-3201, 2015 (Journal Indexed in SCI)
- XIII. **The sonochemical decolourisation of textile azo dye Orange II: Effects of Fenton type reagents and UV light**  
DÜKKANCI M., Vinatoru M., Mason T. J.  
ULTRASONICS SONOCHEMISTRY, vol.21, pp.846-853, 2014 (Journal Indexed in SCI)
- XIV. **Sonolytic degradation of butyric acid in aqueous solutions**  
Dükkancı M., Gündüz G.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.129, pp.564-568, 2013 (Journal Indexed in SCI)
- XV. **Degradation of CI Reactive Red 141 by heterogeneous Fenton-like process over iron-containing ZSM-5 zeolites**  
Yaman Y. C. , Gündüz G., Dükkancı M.  
COLORATION TECHNOLOGY, vol.129, pp.69-75, 2013 (Journal Indexed in SCI)
- XVI. **Sonochemical Treatment of Orange II Using Ultrasound at a Range of Frequencies and Powers**  
DÜKKANCI M., VİNATORU M., MASON T. J.  
Journal Of Advanced Oxidation Technologies, vol.15, pp.277-283, 2012 (Journal Indexed in SCI Expanded)
- XVII. **Heterogeneous Fenton-like Degradation of Orange II in Water Using FeZSM-5 Zeolite Catalyst**  
Bolova E., Gündüz G., Dükkancı M.  
INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING, vol.10, 2012 (Journal Indexed in SCI)
- XVIII. **Fe Containing ZSM-5 Zeolite as Catalyst for Wet Peroxide Oxidation of Orange II**  
Bolova E., Gündüz G., Dükkancı M., Yılmaz S., Yaman Y. C.  
International Journal Of Chemical Reactor Engineering, vol.9, 2011 (Journal Indexed in SCI Expanded)
- XIX. **Heterogeneous Fenton-like degradation of Rhodamine 6G in water using CuFeZSM-5 zeolite catalyst prepared by hydrothermal synthesis**  
Dükkancı M., Gündüz G., Yılmaz S., Prihod'ko R. V.

JOURNAL OF HAZARDOUS MATERIALS, vol.181, pp.343-350, 2010 (Journal Indexed in SCI)

- XX. **Characterization and catalytic activity of CuFeZSM-5 catalysts for oxidative degradation of Rhodamine 6G in aqueous solutions**

Dükkancı M., Gündüz G., Yılmaz S., Yaman Y. C. , Prikhod'ko R. V. , Stolyarova I. V.

APPLIED CATALYSIS B-ENVIRONMENTAL, vol.95, pp.270-278, 2010 (Journal Indexed in SCI)

- XXI. **Catalytic wet air oxidation of butyric acid and maleic acid solutions over noble metal catalysts prepared on TiO<sub>2</sub>**

Dükkancı M., Gündüz G.

CATALYSIS COMMUNICATIONS, vol.10, pp.913-919, 2009 (Journal Indexed in SCI)

- XXII. **Catalytic Wet Air Oxidation of Oxalic Acid at Atmospheric Pressure**

Gündüz G., Dükkancı M.

International Journal Of Chemical Reactor Engineering, vol.5, 2007 (Journal Indexed in SCI Expanded)

- XXIII. **Ultrasonic degradation of oxalic acid in aqueous solutions**

Dükkancı M., Gündüz G.

ULTRASONICS SONOCHEMISTRY, vol.13, pp.517-522, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **A Parametric Study on the Heterogeneous Photo-Fenton-Like Oxidation of Bisphenol-A over an Fe/TiO<sub>2</sub> Catalyst under Visible Light**

DÜKKANCI M.

Journal of Polytechnic, vol.20, pp.25-36, 2017 (Other Refereed National Journals)

- II. **Application of Several Advanced Oxidation Processes for the Destruction of Organics in Effluents of PTA Production**

DÜKKANCI M., GÜNDÜZ G., EZDEŞİR A., AYKAÇ H.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, vol.17, pp.233-249, 2016 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Magnetically Recyclable Fe<sub>3</sub>O<sub>4</sub>@TiO<sub>2</sub> Composites In Photocatalytic Degradation of Rhodamine 6G Dye Under Visible-Light Irradiation**

DÜKKANCI M.

IV. International Ege Composite Materials Symposium (KOMPEGE), İzmir, Turkey, 06 September 2018, pp.1-11

- II. **Bisfenol-A'nın SonofotoFenton Oksidasyonuna Reaksiyon Parametrelerinin Etkisi**

DÜKKANCI M.

13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 03 September 2018, pp.104

- III. **Endokrin Bozucu bir Bileşik olan Bisfenol-A'nın Fenton Katkılı Sonikasyon ile Oksidasyonu**

DÜKKANCI M.

29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017

- IV. **Influence of Ultrasound on Heterogeneous Fenton-Like Oxidation Of Acetic Acid**

Cihanoglu A., Gündüz G., DÜKKANCI M.

3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016

- V. **Bisphenol-A'nın Sonofoto Fenton-Tipi Oksidasyonuna EDTA ve Hidroksil Radikal Yiyici İlavesi**

DÜKKANCI M.

12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016

- VI. **Sonophoto-Fenton Oxidation of Bisphenol-A over LaFeO<sub>3</sub> Perovskite Catalysts**

DÜKKANCI M.

15th Meeting of the European Society of Sonochemistry - (ESS-15), İstanbul, Turkey, 27 June - 01 July 2016

- VII. **The Use of Ultrasounds for Oxidation of Water Pollutants**  
VİNATORU M., DÜKKANCI M., SHESTAKOVA M., MASON T. J.  
European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-4), Atina, Greece, 21 - 24 October 2015
- VIII. **Bisfenol-A'nın Fe Taşıyıcı TiO<sub>2</sub> Katalizörler ve Görünür Bölge Işığı Varlığında Foto-Fenton Oksidasyonu**  
DÜKKANCI M., GÜNDÜZ G.  
11. Ulusal Kimya Mühendisliği Kongresi (UKMK-11), Eskişehir, Turkey, 2 - 05 September 2014
- IX. **Degradation of a Textile Dye, Rhodamine 6G (Rh6G), by Heterogeneous SonophotoFenton Process in the Presence of Fe containing TiO<sub>2</sub> Catalysts**  
Demir N., Gündüz G., DÜKKANCI M.  
The Second International Conference on Water, Energy, and the Environment (ICWEE'2013), Aydın, Turkey, 21 - 24 September 2013
- X. **Orange II'nin Sulu Çözeltide TiO<sub>2</sub> Taşıyıcılı Foto Katalizörler ve/veya UV Varlığında Oksidasyonu**  
LOZOVSKYI O., GÜNDÜZ G., DÜKKANCI M.  
Onuncu Ulusal Kimya Mühendisliği Kongresi (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012
- XI. **The Sonochemical Decolorization of Textile Azo Dye Orange II by Using 850 kHz Ultrasonic Reactor**  
DÜKKANCI M., VİNATORU M., MASON T. J.  
13th Meeting of the European Society of Sonochemistry (ESS-13), Lviv, Ukraine, 1 - 05 July 2012
- XII. **Effect of Sonication on Catalytic Wet Peroxide Oxidation of Orange II**  
DÜKKANCI M., GÜNDÜZ G., BOLOVA E.  
Eurasia Waste Management Symposium, İstanbul, Turkey, 14 - 16 November 2011
- XIII. **Catalytic Wet Air Oxidation of Acetic Acid over a Pt/SiO<sub>2</sub> Catalyst at Atmospheric Pressure**  
KARACAN D., GÜNDÜZ G., DÜKKANCI M.  
6th Nanoscience and Nanotechnology Conference (NANOTR-VI), İzmir, Turkey, 15 - 18 June 2010
- XIV. **Catalytic Wet Peroxide Oxidation of Orange II on FeZSM-5 Catalyst Prepared by Ion Exchange Method**  
BOLOVA E., GÜNDÜZ G., DÜKKANCI M., YILMAZ S., YAMAN Y. C.  
The 4th International Student Conference on Advanced Science and Technology (ICAST 2010), İzmir, Turkey, 25 - 26 May 2010
- XV. **Characterization and Catalytic Activity of Iron and Copper Loaded ZSM-5 Catalysts for Oxidative Degradation of Orange II (Demir ve Bakır içeren ZSM-5 Katalizörlerinin Karakterizasyonu ve Orange II nun Oksidatif Bozunmasında Katalitik Aktivitesi)**  
BOLOVA E., GÜNDÜZ G., DÜKKANCI M., YILMAZ S., YAMAN Y. C.  
Üçüncü Ulusal Kataliz Kongresi (NCC-3), Zonguldak, Turkey, 28 April - 01 May 2010
- XVI. **Catalytic Wet Air Oxidation of Maleic Acid**  
DÜKKANCI M., GÜNDÜZ G.  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries (EMCC-6), Antalya, Turkey, 7 - 12 March 2010
- XVII. **Catalytic Wet Air Oxidation of Butyric Acid on a Commercial Pt-Re/Al<sub>2</sub>O<sub>3</sub> Catalyst**  
DÜKKANCI M., GÜNDÜZ G.  
2nd International Congress on Green Process Engineering (GPE-EPIC 2009), Venedik, Italy, 14 - 17 June 2009
- XVIII. **Asetik Asit ve Bütirik Asitin Sulu Çözeltilerinden Sonokimyasal Reaktörlerde Parçalanması**  
KARACAN D., DÜKKANCI M., GÜNDÜZ G.  
Sekizinci Ulusal Kimya Mühendisliği Kongresi- (UKMK-8), Malatya, Turkey, 26 - 29 August 2008
- XIX. **Degradation of Oxalic Acid in Aqueous Solution by Sonication or by Catalytic Wet Air Oxidation**  
DÜKKANCI M., GÜNDÜZ G., GÜNDÜZ E.  
1st International Congress on Green Process Engineering (GPE 2007), Toulouse, France, 24 - 26 April 2007
- XX. **Atık Sularda Bulunan Formik Asidin Katalitik Islak Hava Oksidasyonu ile Parçalanması**  
YÜKSEL ÖZŞEN A., GÜNDÜZ G., DÜKKANCI M.  
Yedinci Ulusal Kimya Mühendisliği Kongresi (UKMK-7), Eskişehir, Turkey, 5 - 08 September 2006

- XXI. Isomerization of Alpha-pinene over Several Porous Materials**  
DÜKKANCI M., GÜNDÜZ G.  
International Workshop on Nanostructured Materials (NANOMAT 2006), Antalya, Turkey, 21 - 23 June 2006
- XXII. Ultrasonic Degradation of Oxalic Acid in Water**  
DÜKKANCI M., GÜNDÜZ G.  
Jordan International Chemical Engineering Conference 5, Amman, Jordan, 12 - 15 September 2005
- XXIII. Sulu Çözeltilerdeki Fenolün Ultrasonik Bozunması**  
DÜKKANCI M., GÜNDÜZ G., FINDIK S.  
Altıncı Ulusal Kimya Mühendisliği Kongresi (UKMK-6), İzmir, Turkey, 7 - 10 September 2004
- XXIV. Sulu Çözeltilerdeki Formik Asitin Ultrasonik Bozunması**  
FINDIK S., GÜNDÜZ G., DÜKKANCI M.  
Altıncı Ulusal Kimya Mühendisliği Kongresi (UKMK-6), İzmir, Turkey, 7 - 10 September 2004

## Supported Projects

- Dükkancı M., TÜBİTAK Project, Karbamazepin'in plazmonik kompozit fotokatalizörler üzerinde görünür bölge ışık kaynağı varlığında fotokatalitik oksidasyonu, 2019 - 2020
- DÜKKANCI M., Project Supported by Higher Education Institutions, RHODAMİNE 6G BOYAR MADDESİNİN MANYETİK FOTO KATALİZÖR VARLIĞINDA FOTOKATALİTİK OKSİDASYONU, 2018 - 2020
- DÜKKANCI M., Project Supported by Higher Education Institutions, BİSFENOL-ANIN SONOFENTON PROSESİ İLE OKSİDASYONU ÜZERİNE PARAMETRİK ÇALIŞMASI, 2016 - 2018
- Atalay S., Kabay N., Akçakoca Kumbasar E. P. , Helvacı Ş. Ş. , Sarıkanat M., Ersöz G., Yılmaz İpek İ., Dükkancı M., Güngören Madenoğlu T., TÜBİTAK Project, Ege Üniversitesi Ar-Ge Strateji Belgesi (Kimyasal Teknolojiler), 2016 - 2018
- Dükkancı M., Project Supported by Higher Education Institutions, Bisfenol- A'nın LaFeO<sub>3</sub> perovskit Katalizörü üzerinde Sonofoto Fenton Oksidasyonuna EDTA ve Hidroksil Radikal yiyici ilavesinin etkisi (Proje No: 16MÜH050), 2016 - 2017
- DÜKKANCI M., Project Supported by Higher Education Institutions, BİSFENOL-ANIN LAFE O<sub>3</sub> PEROVSKİT KATALİZÖRÜ ÜZERİNDE SONOFOTO OKSİDASYONUNA EDTA VE HİDROKSİL RADİKALİYİCİ İLAVESİNİN ETKİSİ, 2016 - 2017
- DÜKKANCI M., Project Supported by Higher Education Institutions, BİSFENOL-A'NIN LAFE<sub>3</sub> PEROVSKİT KATALİZÖRLERİ ÜZERİNDE SONOFOTO FENTON PROSESİ İLE BOZUNMASI, 2015 - 2017
- Dükkancı M., Gündüz G., Project Supported by Higher Education Institutions, Bisfenol-A'nın LaFeO<sub>3</sub> Perovskit Katalizörleri Üzerinde Sonofoto Fenton Prosesi İle Bozunması (Proje No: 15BİL009), 2015 - 2017
- DÜKKANCI M., Project Supported by Higher Education Institutions, BİSFENOL ANIN HİBRİT İLERİ OKSİDASYON TEKNİKLERİ İLE PARÇALANMASI, 2015 - 2016
- Dükkancı M., Gündüz G., Project Supported by Higher Education Institutions, Bisfenol A'nın Hibrit İleri Oksidasyon Teknikleri ile Parçalanması (Proje No: 15MÜH014), 2015 - 2016
- Dükkancı M., Gündüz G., TÜBİTAK Project, Bisfenol-A'nın LaFeO<sub>3</sub> Perovskit Katalizörleri Üzerinde Sonofoto Fenton Prosesi İle Bozunması (Program Kodu:3001, Proje No: 213M648), 2014 - 2016
- Dükkancı M., Gündüz G., Project Supported by Higher Education Institutions, Bisfenol-A'nın Perovskit Katalizörler ve Görünür Bölge Işığı Varlığında Heterojen SonofotoFenton Oksidasyonu (Proje No: 14MÜH034), 2014 - 2015
- DÜKKANCI M., Project Supported by Higher Education Institutions, BİSFENOL A NIN PEROVSKİT KATALİZÖRLER VE GÖRÜNÜR BÖLGE IŞIĞI VARLIĞINDA HETOREJEN SONOFOTO FENTON OKSİDASYONU, 2014 - 2015
- Gündüz G., Cihanoğlu A., Dükkancı M., Project Supported by Higher Education Institutions, Asetik Asitin Fe İçeren Zeolit Katalizörler Üzerinde Ultrasessiz ve Ultrasesli Ortamda Heterojen Fenton Tipi Oksidasyon ile Parçalanması (Proje No: 12MÜH069), 2012 - 2015
- Dükkancı M., Gündüz G., Project Supported by Higher Education Institutions, Fenolik Bileşiklerin Demir İçeren TiO<sub>2</sub> Katalizörü Varlığında Heterojen FotoFenton tipi Oksidasyonu ve/veya Sonikasyon ile oksidasyonu (Proje No: 13MÜH037), 2013 - 2014
- DÜKKANCI M., Project Supported by Higher Education Institutions, FENOLİK BİLEŞİKLERİN DEMİR İÇEREN TİO<sub>2</sub> KATALİZÖRÜ VARLIĞINDA HETEROJEN FOTOFENTON TİPİ OKSİDASYONU VEYA SONİKASYON İLE OKSİDASYONU, 2013 - 2014

Olgun Ö., Gündüz G., Dükkancı M., Project Supported by Higher Education Institutions, Sulu Orange II'nin TiO<sub>2</sub> Taşıyıcı Foto Katalizörler Ve/veya UV Varlığında Oksidasyonu (Proje No: 10MÜH024), 2010 - 2012

Gündüz G., Dükkancı M., Bolova E., Project Supported by Higher Education Institutions, Boyar Maddeler ve Onların Parçalanma Ürünlerinin Ultrasesli ve Ultrasesiz Islak Peroksit Oksidasyonu ile Bozunması için Yeni Heterojen Katalizörler Geliştirilmesi (Proje No: 2009BİL030), 2009 - 2010

Gündüz G., Dükkancı M., Project Supported by Higher Education Institutions, Bütirik Asidin Katalitik Islak Hava ve Ultrases ile Oksidasyonunun Karşılaştırılmalı İncelenmesi (Proje No: 09MÜH055), 2009 - 2010

Gündüz G., Yılmaz S., Dükkancı M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Boyar Maddeler ve Onların Parçalanma Ürünlerinin Ultrasesli ve Ultrasesiz Islak Peroksit Oksidasyonu İle Bozulması için Yeni Heterojen Katalizörler Geliştirilmesi (107M625), 2008 - 2010

Gündüz G., Dükkancı M., Project Supported by Higher Education Institutions, Bazı Karboksilli Asitlerin Katalitik Islak Hava ve Ultrases ile Oksidasyonunun İncelenmesi ve Karşılaştırılması (Proje No: 2006BİL028), 2006 - 2009

Gündüz G., Dükkancı M., TUBİTAK Project, Bazı Karboksilli Asitlerin Katalitik Islak Hava Oksidasyonu ve Ultrases ile Oksidasyonunun İncelenmesi ve Karşılaştırılması (Program Kodu:1001, Proje No: 106M206), 2006 - 2009

Gündüz G., Gündüz E., Bayer O., Dükkancı M., Fındık S., Project Supported by Higher Education Institutions, Sulu Çözeltilerdeki Organik Kirleticilerin Ultrases ile Oksidasyonu (Proje No: 2002MÜH021), 2002 - 2005

## Scientific Refereeing

Coloration Technology, SCI Journal, July 2018

ACS Applied Nano Materials, Other Indexed Journal, June 2018

Journal of Hazardous Materials, SCI Journal, May 2018

Journal of Water Supply: Research and Technology - AQUA, SCI Journal, March 2018

Chemical Engineering Journal, SCI Journal, February 2018

Coloration Technology, SCI Journal, January 2018

Ultrasonics Sonochemistry, SCI Journal, September 2017

Environmental Science and Pollution Research, SCI Journal, July 2017

Applied Catalysis B: Environmental, SCI Journal, July 2017

Coloration Technology, SCI Journal, April 2017

Chemical Engineering Journal, SCI Journal, December 2016

Coloration Technology, SCI Journal, November 2016

Desalination and Water Treatment, SCI Journal, August 2016

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