

Assoc. Prof. Tuba GÜRKAYNAK ALTINÇEKİÇ

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Education Information

Doctorate, İstanbul Üniversitesi, Mühendislik/Fen Bilimleri/Kimya Mühendisliği, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, Turkey 2002 - 2007

Post Graduate, İstanbul Üniversitesi, Mühendislik/Fen Bilimleri/Kimya Mühendisliği, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, Turkey 1999 - 2002

Under Graduate, İstanbul Üniversitesi, Mühendislik/Kimya Mühendisliği, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Nanoboyutlu Bakır İçeren İkili Katalizörlerin Hazırlanması ve Tanımlanması, İstanbul Üniversitesi, Fen Bilimleri, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2007

Post Graduate, Bakır İçeren Seçimli Bir Yüksek Alkol Sentez Katalizörünün Hazırlanması ve Tanımlanması, İstanbul Üniversitesi, Fen Bilimleri, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2002

Research Areas

Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Process and Reactor Design, Chemical Reaction Engineering, Catalysis and Catalytic Processes, Mechanical Engineering, Energy, Hydrogen Technologies and Fuel Cells , Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2018 - Continues

Associate Professor, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği, 2017 - Continues

Assistant Professor, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2010 - 2018

Research Assistant PhD, İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2007 - 2010

Research Assistant, İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 1999 -

Courses

Reactor Design, Under Graduate, 2020 - 2021
 İleri Reaktör Tasarımı, Post Graduate, 2018 - 2019
 Bitirme Projesi II, Under Graduate, 2018 - 2019
 Çevre Teknolojileri, Under Graduate, 2017 - 2018
 Bitirme Projesi I, Under Graduate, 2016 - 2017

Advising Theses

Gürkaynak Altınçekiç T., Jelatin-kitosan esaslı polimerik filmlerin hazırlanması ve incelenmesi , Doctorate, F.Ebru(Student), 2019
 GÜRKAYNAK ALTINÇEKİÇ T., Sentez Gazı Üretimi için MgAl₂O₄ Destekli Ni-Co Katalizörlerinin Hazırlanması ve Karakterizasyonu, Post Graduate, O.Özdemir(Student), 2017
 GÜRKAYNAK ALTINÇEKİÇ T., METANIN KISMİ OKSİDASYONU İÇİN CeO₂, Al₂O₃ VE ZrO₂ DESTEKLİ Nİ KATALİZÖRLERİNİN HAZIRLANMASI, Post Graduate, T.Çınar(Student), 2016
 GÜRKAYNAK ALTINÇEKİÇ T., Methanın Oksi-CO₂ reformlanması reaksiyonu için CeO₂, Al₂O₃,ZrO₂, MgAl₂O₄ destekli Ni katalizörlerinin Üzerine Çöktürme Yöntemi ile Hazırlanması, Post Graduate, T.Pehlivanoğlu(Student), 2015
 GÜRKAYNAK ALTINÇEKİÇ T., Metanın Oksi-CO₂ Reformlaması için Ni ve Ni-Cu Katalizörlerinin Hazırlanması ve Karakterizasyonu, Post Graduate, M.Hacıoğlu(Student), 2015

Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma Sınavı Jürisi, İstanbul Üniv Mühendislik Fak, February, 2017
 Post Graduate, Aerojel Katkılı Polimer Kompozitlerin Hazırlanışı, Karakterizasyonu ve Dielektrik Özelliklerinin İncelenmesi, İstanbul Üniversitesi, December, 2014
 Post Graduate, Yüksek Lisans Tez Savunma Sınavı, İstanbul Üniv, December, 2014
 Post Graduate, Gizem Erol Tez Savunma Sınavı, Tez Savunma Sınav Jürisi Fen Bilimleri Enstitüsü, June, 2014
 Post Graduate, TBAB Faz Transferi Katalizörü Varlığında Hidrojen Peroksit ile Formik Asit Reaksiyonunun Kinetiğinin İncelenmesi, Tez Savunma Sınav Jürisi Fen Bilimleri Enstitüsü, February, 2013
 Post Graduate, Levent Nergiz Yüksek Lisans Tez Savunma Sınavı, Tez Savunma Sınav Jürisi Fen Bilimleri Enstitüsü, September, 2012
 Post Graduate, İlhan Kurt Yüksek Lisans Tez Savunma Sınavı, Tez Savunma Sınav Jürisi Fen Bilimleri Enstitüsü, May, 2012
 Post Graduate, Esra Dilave Adıgüzel Tez Savunma Sınavı, Tez Savunma Sınav Jürisi Fen Bilimleri Enstitüsü, September, 2011

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

- I. **Investigation of gelatin/chitosan as potential biodegradable polymer films on swelling behavior and methylene blue release kinetics**
 KOÇ F. E. , Altincekic T.
 POLYMER BULLETIN, 2020 (Journal Indexed in SCI)
- II. **Preparation and properties of ceramic electrolytes in the Nd and Gd Co-doped ceria systems prepared by polyol method**
 ARABACI A., Altincekic T., Der M., ÖKSÜZÖMER M. A. F.
 Journal of Alloys and Compounds, vol.792, pp.1141-1149, 2019 (Journal Indexed in SCI Expanded)

- III. **In vitro evaluation of cobalt oxide nanoparticle-induced toxicity**
Abudayyak M., Gurkaynak T., Ozhan G.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.33, no.8, pp.646-654, 2017 (Journal Indexed in SCI)
- IV. **In Vitro Toxicological Assessment of Cobalt Ferrite Nanoparticles in Several Mammalian Cell Types**
Abudayyak M., Gurkaynak T., Ozhan G.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.175, no.2, pp.458-465, 2017 (Journal Indexed in SCI)
- V. **Characterization of Nd and Sm Co-Doped CeO₂-Based Systems**
Arabaci A., Der M., Oksuzomer M. F. , Altincekic T.
ACTA PHYSICA POLONICA A, vol.131, no.1, pp.78-81, 2017 (Journal Indexed in SCI)
- VI. **Synthesis and investigation of bimetallic Ni-Co/Al₂O₃ nanocatalysts using the polyol process**
Cinar T., Altincekic T.
PARTICULATE SCIENCE AND TECHNOLOGY, vol.34, no.6, pp.725-735, 2016 (Journal Indexed in SCI)
- VII. **Polyol synthesis and investigation of Ce_{1-x}RE_xO_{2-x/2} (RE = Sm, Gd, Nd, La, 0 < x < 0.25) electrolytes for IT-SOFCs**
DÖNMEZ G., SARIBOĞA V., GÜRKAYNAK ALTINÇEKİÇ T., ÖKSÜZÖMER M. A. F.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.Volume 98, no.2, pp.501-509, 2014 (Journal Indexed in SSCI)
- VIII. **Microstructure and ionic conductivity properties of gadolinia doped ceria (Gd_xCe_{1-x}O_{2-x/2}) electrolytes for intermediate temperature SOFCs prepared by the polyol method**
Oksuzomer M. A. F. , Donmez G., Sariboga V., Altincekic T. G.
CERAMICS INTERNATIONAL, vol.39, pp.7305-7315, 2013 (Journal Indexed in SCI)
- IX. **Effects of PVP on the preparation of nanosized Al₂O₃ supported Ni catalysts by polyol method for catalytic partial oxidation of methane**
Bayrakdar E., Altincekic T. G. , Oksuzomer M. A. F.
FUEL PROCESSING TECHNOLOGY, vol.110, pp.167-175, 2013 (Journal Indexed in SCI)
- X. **Synthesis and Characterization of Ferromagnetic Nickel Nanoparticles**
Altincekic T. G. , Boz I., Basaran A. C. , Aktas B., Kazan S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.25, no.8, pp.2771-2775, 2012 (Journal Indexed in SCI)
- XI. **Preparation and characterization of La_{0.8}Sr_{0.2}Ga_{0.83}Mg_{0.17}O₃ electrolyte by polyol method for solid oxide fuel cells**
Kuguoglu R. S. , Altincekic T., Ozdemir H., Oksuzomer M. A. F.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.21, pp.16733-16738, 2012 (Journal Indexed in SCI)
- XII. **Synthesis and Characterization of Ferromagnetic Nickel Nanoparticles**
GÜRKAYNAK ALTINÇEKİÇ T., BOZ İ., Kazan S., Aktaş B., Başaran A.
J Superconductivity and Novel Magnetism, no.25, pp.2771-2775, 2012 (Journal Indexed in SCI)
- XIII. **Liquid phase hydroxylation of benzene to phenol over Cu/ZnO catalysts**
Boz I., Altincekic T. G.
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.102, no.1, pp.195-205, 2011 (Journal Indexed in SCI)
- XIV. **The effect of neutralizing agent on the synthesis and characterization of Mn₃O₄ nanoparticles**
Durmus Z., Tomas M., Baykal A., Kavas H., Altincekic T. G. , Toprak M. S.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.55, no.12, pp.1947-1952, 2010 (Journal Indexed in SCI)
- XV. **Synthesis of nanocrystalline samarium-doped CeO₂ (SDC) powders as a solid electrolyte by using a simple solvothermal route**
Karaca T., Altincekic T., Oksuzomer M. A. F.
Ceramics International, vol.36, no.3, pp.1101-1107, 2010 (Journal Indexed in SCI Expanded)
- XVI. **Synthesis and characterization of CuFe₂O₄ nanorods synthesized by polyol route**
Altincekic T. G. , Boz I., Baykal A., Kazan S., Topkaya R., Toprak M. S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.493, pp.493-498, 2010 (Journal Indexed in SCI)
- XVII. **Synthesis and characterization of CuFe₂O₄ nanorods synthesized by polyol route**
GÜRKAYNAK ALTINÇEKİÇ T., Baykal A., Boz İ., Toprak M., Kazan S.
Journal of Alloys and Journal Of Labelled Compounds, no.493, pp.493-498, 2010 (Journal Indexed in SCI)

- XVIII. **L-lysine coated iron oxide nanoparticles: Synthesis, Structural and Conductivity Characterization**
GÜRKAYNAK ALTINÇEKİÇ T., Durmuş Z., Kavas H., Toprak M., Baykal A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.484, pp.371-376, 2009 (Journal Indexed in SCI)
- XIX. **Influence of synthesis conditions on the particle morphology of nanosized Cu/ZnO powder by polyol method**
GÜRKAYNAK ALTINÇEKİÇ T., Boz İ.
BULLETIN OF MATERIALS SCIENCE, vol.31, no.4, pp.1-6, 2008 (Journal Indexed in SCI)
- XX. **Influence of synthesis conditions on particle morphology of nanosized Cu/ZnO powder by polyol method**
Altincekic T., Boz I.
BULLETIN OF MATERIALS SCIENCE, vol.31, no.4, pp.619-624, 2008 (Journal Indexed in SCI)
- XXI. **Synthesis and characterization of nanosized Cu/ZnO catalyst by polyol method**
Altincekic T., Boz I., Aktuerk S.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.874-877, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **In Vitro Evaluation of the Toxicity of Cobalt Ferrite Nanoparticles in Kidney Cell**
Abudayyak M., GÜRKAYNAK ALTINÇEKİÇ T., ÖZHAN G.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.14, no.2, pp.169-173, 2017 (Journal Indexed in ESCI)
- II. **Assessment of Cellular Responses in Kidney Cells Exposed to Cobalt Oxide Nanoparticles**
abudayyak m., GÜRKAYNAK ALTINÇEKİÇ T., ÖZHAN G.
MARMARA PHARMACEUTICAL JOURNAL, vol.21, no.3, pp.537-543, 2017 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation and Characterization of Ni-Co Catalysts Supported on MgAl₂O₄ for Syngas Production**
GÜRKAYNAK ALTINÇEKİÇ T., ÖZDEMİR H., ÖKSÜZÖMER M. A. F.
1st International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018, pp.126
- II. **Poliol Yöntemi İle Çift Katkılı Nd_{0.20}Gd_xCe_{0.8-X}O_{1.9-X/2} (x=0-0.20) Elektrolit Yapılarının Sentezi ve Karakterizasyonu**
Der M., ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T., ARABACI A.
12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016, pp.314
- III. **Characterization And Magnetic Properties Of Oleic Acid Coated CoFe₂O₄ Nanoparticles For Biomedical Application**
Öztürk Yılmaz E., GÜRKAYNAK ALTINÇEKİÇ T., ULUTAŞ D., Kocaman B., Kazan S., Açığöz M.
12th Nanoscience and Nanotechnology Conference (NanoTR12), Kocaeli, Turkey, 3 - 05 June 2016, vol.1, no.1, pp.418
- IV. **"Characterization of Nd and Sm Co-Doped CeO₂-Based Systems" A.Arabacı 1,* , M.Der 2, M.F.Öksüzömer 2 ,T.G.Altınçekiç 2**
ARABACI A., Der M., ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T.
6th International Advances in Applied Physics and Materials Science Congress & Exhibition, İstanbul, Turkey, 1 - 03 June 2016, vol.1, no.1, pp.72
- V. **"Characterization of Nd and Sm Co-Doped CeO₂-Based Systems"**
ARABACI A., Der M., ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T.
6th International Advances in Applied Physics and Materials Science Congress & Exhibition, Kocaeli, Turkey, 1 - 03 June 2016, vol.1, no.1, pp.72
- VI. **"Oxy-CO₂ Reforming of Methane over Al₂O₃ Supported Nickel Catalysts prepared by Deposition-Precipitation with urea"**

GÜRKAYNAK ALTINÇEKİÇ T., Pehlivan T.

NCC6-The 6th Catalysis Conference, İstanbul, Turkey, 27 - 30 April 2016, vol.1, no.1, pp.50

VII. **METANIN OKSİ-CO₂ REAKSİYONU İÇİN CeO₂, Al₂O₃, ZrO₂, MgAl₂O₄ DESTEKLİ Ni KATALİZÖRLERİNİN YÜZEYDE ÇÖKTÜRME YÖNTEMİ İLE HAZIRLANMASI**

Hacıoğlu M., GÜRKAYNAK ALTINÇEKİÇ T., Pehlivan T., ÖKSÜZÖMER M. A. F. , ÖZDEMİR H.

Ulusal Hidrojen Teknolojileri Kongresi, İstanbul, Turkey, 20 - 23 December 2015, pp.24

VIII. **Preperation and Characterization of Ni-Based Catalysts for Oxy-CO₂ Reforming of Methane by Using Wet Impregnation Method**

Hacıoğlu M., GÜRKAYNAK ALTINÇEKİÇ T., ÖZDEMİR H., ÖKSÜZÖMER M. A. F.

XII European Congress on Catalysis "Catalysis: Balancing the use of fossil and renewable resources", Kazan, Russia, 30 August - 04 September 2015, vol.1, no.1, pp.1791-1792

IX. **Structure and Dielectric Properties of Oleic Acid Coated CoFe₂O₄ Nanoparticles**

Yılmaz Öztürk E., GÜRKAYNAK ALTINÇEKİÇ T., Ulutaş D. D. , Açıkgöz M., ULUTAŞ H. K. , YAKUT Ş.

9 th International Physics Conference of The Balkan Pyhsical Union (BPU9), İstanbul, Turkey, 24 - 27 August 2015, vol.1, no.1, pp.256

X. **AC CONDUCTIVITY OF CoFe₂O₄ NANOPARTICLES SYNTHESIZED BY POLYOL METHOD**

Yılmaz E., Gürkaynak T., Deligoz H., Deger D., Ulutas K., Yakut S. E.

IEEE NANO 2015 15th INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY, Rome, Italy, 27 - 30 July 2015, pp.271-273

XI. **METANIN OKSİ-CO₂ REFORMLAMA REAKSİYONU İÇİN Nİ ESASLI KATALİZÖRLERDE DESTEK ETKİSİNİN İNCELENMESİ**

Engintepe E., ÖZDEMİR H., GÜRKAYNAK ALTINÇEKİÇ T., ÖKSÜZÖMER M. A. F.

11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.356-357

XII. **Polyol Synthesis and Ionic Conductivity Investigation of Ce_{1-x}M_xO_{2-x/2} (M= Sm, Gd, Nd, La) Electrolytes for Intermediate Temperature Solid Oxide Fuel Cells**

DÖNMEZ G., SARIBOĞA V., ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T.

1st International Conference on Polyol Mediated Synthesis, Paris, France, 22 - 25 June 2014, pp.1

XIII. **Synthesis and Dielectric Properties of Magnetic Nanoparticle Doped into Polymer Composite Films**

Yılmaz Öztürk E., GÜRKAYNAK ALTINÇEKİÇ T., DELİGÖZ H., Değer D., Ulutaş K., Açıkgöz M.

10. Türkiye Nanabilim ve Nanoteknoloji Kongresi Nanao-TR10, İstanbul, Turkey, 17 - 21 June 2014, pp.1

XIV. **PREPATION OF NICKEL CATALYSTS SUPPORTED ON CeO₂, Al₂O₃ AND ZrO₂ FOR PARTIAL OXIDATION OF METHANE**

Çınar T., GÜRKAYNAK ALTINÇEKİÇ T.

NCC5 5th National Catalysis Congress, Adana, Turkey, 23 - 26 April 2014, pp.166-167

XV. **SAMARIUM DOPED CERIA ELECTROLYTES (Ce_{1-x}Sm_xO_{2-x/2}) FOR IT-SOLID OXIDE FUEL CELLS PREPARED BY POLYOL METHOD**

DÖNMEZ G., SARIBOĞA V., ÖKSÜZÖMER M. A. , GÜRKAYNAK ALTINÇEKİÇ T.

IEEES6 (international exergy, energy and environment symposium 6), Rize, Turkey, 1 - 04 July 2013, pp.112

Other Publications

I. **AC CONDUCTIVITY OF CoFe₂O₄ NANOPARTICLES SYNTHESIZED BY POLYOL METHOD**

Yılmaz E., GÜRKAYNAK ALTINÇEKİÇ T., DELİGÖZ H., Ulutaş D. D. , ULUTAŞ H. K. , YAKUT Ş.

Other, pp.271-273, 2016

II. **Metanın Oksi-CO₂ Reformlama Reaksiyonu için Ni Esaslı Katalizörlerde Destek Etkisinin İncelenmesi**

GÜRKAYNAK ALTINÇEKİÇ T., ÖZDEMİR H., ÖKSÜZÖMER M. A. F.

Other, pp.356-357, 2014

Supported Projects

- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, Üre Depozisyon yöntemi ile NiCo/MgAl₂O₄ ikili nano Katalizörlerin Hazırlanması ve Karakterizasyonu, 2017 - 2018
- GÜRKAYNAK ALTINÇEKİÇ T., KOÇ O., Project Supported by Higher Education Institutions, Sentez Gazı Üretimi için MgAl₂O₄ Destekli NiCo Katalizörlerinin Hazırlanması ve Karakterizasyonu, 2017 - 2017
- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, Metanın Oksi-CO₂ Reformlanması Reaksiyonu için CeO₂, Al₂O₃, ZrO₂, MgAl₂O₄ Destekli Ni Katalizörlerinin Üzerine Çöktürme Yöntemi ile Hazırlanması, 2015 - 2016
- ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T., TUBITAK Project, METANIN OKSİ-CO₂ REFORMLAMASI İÇİN Ni ve Ni-Cu Esaslı KATALİZÖRLERİN FARKLI YÖNTEMLER İLE HAZIRLANMASI KARAKTERİZASYONU VE REAKSİYON PERFORMANSLARININ İNCELENMESİ, 2014 - 2016
- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, Metanın Kısmi Oksidasyonu İçin CeO₂, Al₂O₃ ve ZrO₂ Destekli Ni Katalizörlerinin Hazırlanması, 2014 - 2016
- GÜRKAYNAK ALTINÇEKİÇ T., DÖNMEZ G., Project Supported by Higher Education Institutions, Katı Oksit Yakıt Hücreleri İçin Lantan Katkılı Seryum Oksit Elektrolitlerin Hazırlanması, 2013 - 2014
- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, Poliol Yöntemi ile nanokristalin Gadolinium katkı CeO₂ tozlarının Hazırlanması, 2012 - 2014
- ÖKSÜZÖMER M. A. F. , GÜRKAYNAK ALTINÇEKİÇ T., TUBITAK Project, METAN KISMI OKSİDASYON REAKSİYONU İÇİN NANOBOYUTLU Ni-Co/Al₂O₃ KATALİZÖRLERİN POLİOL YÖNTEMİ İLE HAZIRLANMASI VE KARAKTERİZASYONU, 2011 - 2013
- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, CuFe₂O₄ nanoçubukların sentezlenmesi ve magnetik özelliklerinin incelenmesi, 2010 - 2011
- GÜRKAYNAK ALTINÇEKİÇ T., Project Supported by Higher Education Institutions, Poliol Yöntemi ile Mikronaltı Çinko Oksit Parçacıkların Hazırlanması ve Tanımlanması, 2008 - 2011

Scientific Refereeing

- TUBITAK Project, June 2015
- Materials Research Bulletin manuscript number MRB-15-350, "Characterization of Pure Ni Ultrafine/Nanoparticles Synthesized by Electromagnetic Levitational Gas Condensation Method", SCI Journal, May 2015
- Materials Letters Dandelion-like SnO₂ microspheres on graphene oxide sheets with excellent photocatalytic properties, SCI Journal, April 2015
- International Journal of Hydrogen Energy "Coking resistant Ni/ZrO₂@SiO₂ catalyst for the partial oxidation of methane to synthesis gas", SCI Journal, March 2015
- Materials Research Bulletin "Synthesis of MnSe crystal as a robust peroxidase mimic", SCI Journal, March 2015
- Materials Letters "Microwave Synthesis and Magnetic Investigations of Surfactant Assisted NiO nanostructures", National Scientific Refreed Journal, February 2015
- International Journal of Hydrogen Energy, SCI Journal, February 2015
- Materials Research Bulletin, SCI Journal, December 2014
- TUBITAK Project, December 2014
- Materials Research Bulletin, SCI Journal, September 2014
- TUBITAK Project, September 2014
- Journal of Alloys and Compounds(JALCOM-D-13-02187), SCI Journal, June 2013
- Materials Research Bulletin MRB-13-238, SCI Journal, February 2013
- Journal of Alloys and Compounds (JALCOM-D-12-06354) , SCI Journal, January 2013
- Journal of Alloys and Compounds (JALCOM-D-12-03132) , SCI Journal, July 2012

Invited Congress and Symposium Activities

- "Preparation and characterization of Ni-Co catalysts supported on MgAl₂O₄ for syngas production" Tuba Gürkaynak Altınçekiç, Oya Özdemir, Hasan Özdemir, Mehmet Ali Faruk Öksüzömer, 1st International Balkan Chemistry Congress, Edirne, 17-20 Eylül 2018, Attendee, Edirne, Turkey, 2018
- COMPARISON OF DC AND AC CONDUCTIVITY OF POLYESTER COMPOSITE FILMS DOPED BY POLYPYRROLE AND COFE₂O₄ NANOPARTICLE TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, SEPTEMBER 6-10, 2017, BODRUM /TURKEY, Attendee, Muğla, Turkey, 2017
- 12th Nanoscience and Nanotechnology Conference, "Characterization And Magnetic Properties Of Oleic Acid Coated Cofe₂O₄ Nanoparticles For Biomedical Application", Attendee, Kocaeli, Turkey, 2016
- 6th International Advances in Applied Physics and Materials Science Congress (APMAS 2016). "Characterization of Nd and Sm Co-Doped CeO₂-Based Systems", Attendee, Kocaeli, Turkey, 2016
- NCC6-The 6th Catalysis Conference, "Oxy-CO₂ Reforming of Methane over Al₂O₃ Supported Nickel Catalysts prepared by Deposition-Precipitation with urea", Attendee, Bursa, Turkey, 2016
- METANIN OKSİ-CO₂ REFORMLAMASI İÇİN Ni VE Ni-Cu KATALİZÖRLERİNİN HAZIRLANMASI VE KARAKTERİZASYONU- Ulusal Hidrojen Teknolojileri UHTEK 2015, Meral Hacıoğlu, Tuba Gürkaynak Altınçekiç*, M. Faruk Öksüzömer, Hasan Özdemir, M. Ali Gürkaynak, Attendee, İstanbul, Turkey, 2015
- PREPERATION AND CHARACTERIZATION OF NI-BASED CATALYSTS FOR OXY-CO₂ REFORMING OF METHANE BY USING WET IMPREGNATION METHOD", authors: Hacıoğlu M., Gürkaynak Altınçekiç T., Özdemir H., Öksüzömer M.A.F.-EuropaCat XII, Attendee, Kazan, Russia, 2015
- 11th Nanoscience and Nanotechnology Conference (NanoTR 11) "Effects of calcination and sintering temperature on the microstructure of Ca-doped ceria nanopowders for solid oxide fuel cell applications" Tuba Gürkaynak Altınçekiç, Attendee, Ankara, Turkey, 2015
- 2015-1 Kimya-Katalizör, Panelists, Ankara, Turkey, 2015
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