

## Assoc. Prof. Hilal Çelik Kazıcı

### Personal Information

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### Education Information

Doctorate, Ankara University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği, Turkey 2007 - 2014

Post Graduate, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Fen Bilimleri Enstitüsü, Kimya, Fizikokimya, Turkey 2005 - 2007

Under Graduate, Ataturk University, Mühendislik Mimarlık Fakültesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 1999 - 2003

### Certificates, Courses and Trainings

Education Management and Planning, 4. National Applied Electrochemistry Graduate Summer School, Celal Bayar Üniversitesi, 2016

Education Management and Planning, SPSS veri analizi, Yüzüncü Yil Üniversitesi, 2015

Education Management and Planning, Applied Biochemistry current issues in summer school, Aksaray Üniversitesi, 2015

Education Management and Planning, Applied and HPLC Certified Training, kimyagerler derneği, 2015

### Dissertations

Doctorate, AROMATİK KETONLARIN BİTKİ BİYOKATALİZÖRLÜĞÜNDE ENANTİYOSEÇİMLİ OLARAK BİYOİNDİRGENMESİ İLE (S)-1-FENİL ETANOL ÜRETİMİ, Ankara University, Mühendislik Mimarlık Fakültesi, Kimya Mühendisliği, 2014

Post Graduate, ULEKSİT CEVHERİNİN PERKLORİK ASİT ÇÖZELTİLERİNDEKİ ÇÖZÜNÜRLESTİRME KİNETİĞİ, KALSİNASYONU VE OPTİMİZASYONU, Van Yüzüncü Yil University, Fen Fakültesi, Kimya/Fizikokimya, 2007

### Research Areas

Chemical Engineering and Technology, Biotechnology, Biochemical Reaction Engineering, Enzyme Engineering, Chemical Technologies, Electrochemical Processes, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Chemistry, Biochemistry, Biotransformations, Enzyme Kinetics, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Ve Mimarlık Fakültesi, Kimya Mühendisliği, 2015 - 2018

Research Assistant PhD, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2014 - 2015

Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2012 - 2014

Research Assistant, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2007 - 2012

## Professional Experience

Academic Board Member, Van Yüzüncü Yil University, Kimya Mühendisliği Bölümü, 2015 - Continues

## Advising Theses

Çelik Kazıcı H., HİDROJEN ELDESİ İÇİN UYGUN KATALİZÖR SENTEZ VE KARAKTERİZASYONU, Post Graduate, F.YILDIZ(Student), 2019

Çelik Kazıcı H., Modifiye edilmiş yüzey baskılı elektrotlar ile gıda katkı maddelerinin elektrokimyasal davranışlarının incelenmesi, Post Graduate, M.YAYLA(Student), 2019

Demir Kıvrak H., Çelik Kazıcı H., Karbon nanotüp destekli Pt, Bi ve Ru monometalik katalizörlerin nano tasarım ile sentezi, karakterizasyonu ve alkol yakıt pili uygulamaları, Post Graduate, N.ALBOUNİ(Student), 2019

Çelik Kazıcı H., NANOKATALİZÖRLERİN SENTEZİ KARAKTERİZASYONU VE SENSÖR ETKİSİNİN ELEKTROKİMYASAL İNCELENMESİ, Post Graduate, F.SALMAN(Student), 2019

Çelik Kazıcı H., Reducing sulfur from crude oil and petroleum products by using ionic aqueous solution, Post Graduate, A.JAWHAR(Student), 2018

## Jury Memberships

Doctoral Examination, Doktora Yeterlik Sınav Jürisi, Atatürk Üniversitesi, June, 2019

Post Graduate, Tez Savunma Jürisi, Van Yüzüncü Yil Üniversitesi, July, 2018

Post Graduate, Tez Savunma Jürisi, Siirt Üniversitesi, June, 2018

Post Graduate, Tez Savunma Jürisi, Yüzüncü Yil Üniversitesi, March, 2017

Academic Staff Examination, 2016-2017, II. Dönem Lisansüstü Öğrenci Alımı Sınavı, Van Yüzüncü Yil Üniversitesi, January, 2017

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

- I. **A comprehensive study on the synthesis, characterization and mathematical modeling of nanostructured Co-based catalysts using different support materials for AB hydrolysis**  
Çelik Kazıcı H., İZGİ M. S. , ŞAHİN Ö.  
CHEMICAL PAPERS, 2021 (Journal Indexed in SCI)
- II. **Electrochemical sensor investigation of carbon-supported PdCoAg multimetal catalysts using sugar-containing beverages**  
Salman F., Çelik Kazıcı H., Demir Kıvrak H.  
FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING, pp.1-10, 2020 (Journal Indexed in SCI Expanded)
- III. **Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>-supported metal-organic framework MIL-101(Fe) for a highly selective and sensitive hydrogen peroxide electrochemical sensor**  
Salman F., Zengin A., Çelik Kazıcı H.  
IONICS, vol.26, no.10, pp.5221-5232, 2020 (Journal Indexed in SCI)
- IV. **A comprehensive study of hydrogen production from ammonia borane via PdCoAg/AC nanoparticles and anodic current in alkaline medium: experimental design with response surface methodology**  
Çelik Kazıcı H., Yılmaz Ş., Şahan T., Yıldız F., Er O. F. , Kıvrak H.  
FRONTIERS IN ENERGY, vol.14, no.3, pp.578-589, 2020 (Journal Indexed in SCI)

- V. **CeO<sub>2</sub> supported multimetallic nano materials as an efficient catalyst for hydrogen generation from the hydrolysis of NaBH<sub>4</sub>**  
İzgi M. S. , Baytar O., Şahin Ö., Çelik Kazıcı H.  
International Journal Of Hydrogen Energy, vol.34, pp.1-10, 2020 (Journal Indexed in SCI Expanded)
- VI. **Electrochemical sensor investigation of carbon-supported PdCoAg multimetal catalysts using sugar-containing beverages**  
Salman F., Çelik Kazıcı H., Demir Kıvrak H.  
FRONTIERS OF CHEMICAL SCIENCE AND ENGINEERING, vol.in press, 2020 (Journal Indexed in SCI Expanded)
- VII. **Synthesis of Metal-Oxide-Supported Triple Nano Catalysts and Application to H<sub>2</sub> Production and H<sub>2</sub>O<sub>2</sub> Oxidation**  
Çelik Kazıcı H., Salman F., İZGİ M. S. , ŞAHİN Ö.  
JOURNAL OF ELECTRONIC MATERIALS, 2020 (Journal Indexed in SCI)
- VIII. **Synthesis of Ferrocene Based Naphthoquinones and its Application as Novel Non-enzymatic Hydrogen Peroxide**  
Aslan Ertas N., Kavak E., Salman F., Çelik Kazıcı H., Demir Kıvrak H., Kıvrak A.  
Electroanalysis, vol.32, pp.1-10, 2020 (Journal Indexed in SCI Expanded)
- IX. **An electrocatalyst for detection of glucose in human blood: synergy in Pd-AuNPs/GOx/C surfaces**  
Çelik Kazıcı H., Yayla M.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.206, no.12, pp.1731-1742, 2019 (Journal Indexed in SCI)
- X. **Hydrogen production through the cooperation of a catalyst synthesized in ethanol medium and the effect of the plasma**  
İZGİ M. S. , Onat E., Çelik Kazıcı H., ŞAHİN Ö.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2019 (Journal Indexed in SCI)
- XI. **Novel activated carbon supported trimetallic PdCoAg nanoparticles as efficient catalysts for the hydrolytic dehydrogenation of ammonia borane**  
Çelik Kazıcı H., YILDIZ F., İzgi M. S. , Ulaş B., Kıvrak H.  
International Journal of Hydrogen Energy, vol.44, no.21, pp.10561-10572, 2019 (Journal Indexed in SCI)
- XII. **Synthesis and characterization of novel Ti doped hexagonal mesoporous silica catalyst for nonenzymatic hydrogen peroxide oxidation**  
Duzenli D., ŞAHİN Ö., Çelik Kazıcı H., Aktaş N., Demir Kıvrak H.  
MICROPOROUS AND MESOPOROUS MATERIALS, vol.257, pp.92-98, 2018 (Journal Indexed in SCI)
- XIII. **Synthesis, characterization, and voltammetric hydrogen peroxide sensing on novel monometallic (Ag, Co/MWCNT) and bimetallic (AgCo/MWCNT) alloy nanoparticles**  
Çelik Kazıcı H., Salman F., Çağlar A., Demir Kıvrak H., Aktaş N.  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.26, no.3, pp.145-151, 2018 (Journal Indexed in SCI)
- XIV. **Synthesis of Pd-Ni/C bimetallic materials and their application in non-enzymatic hydrogen peroxide detection**  
Çelik Kazıcı H., Salman F., Demir Kıvrak H.  
MATERIALS SCIENCE-POLAND, vol.35, no.3, pp.660-666, 2017 (Journal Indexed in SCI)
- XV. **Production of precursors for anti-Alzheimer drugs: Asymmetric bioreduction in a packed-bed bioreactor using immobilized D. carota cells**  
Çelik Kazıcı H., Bayraktar E., Mehmetoglu Ü.  
Preparative Biochemistry and Biotechnology, vol.47, no.1, pp.67-73, 2017 (Journal Indexed in SCI)
- XVI. **Facile and Rapid Synthesis of Microwave Assisted Pd Nanoparticles as Non-Enzymatic Hydrogen Peroxide Sensor**  
ŞAHİN Ö., Demir Kıvrak H., Kıvrak A., Çelik Kazıcı H., Alal O., Atbas D.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.12, no.1, pp.762-769, 2017 (Journal Indexed in SCI)
- XVII. **Optimization of the asymmetric synthesis of chiral aromatic alcohol using freeze-dried carrots as**

### **whole-cell biocatalysts**

Çelik Kazıcı H., BAYRAKTAR E., MEHMETOĞLU Ü.

GREEN PROCESSING AND SYNTHESIS, vol.5, no.2, pp.131-137, 2016 (Journal Indexed in SCI)

### **XVIII. ENANTİYOMERİK OLARAK SAF SEKONDER ALKOLLERİN ÜRETİMİNDE BİTKİ BİYOKATALİZÖRLERİ KULLANIMI**

Çelik Kazıcı H., mehmetoğlu ü.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, pp.49-56, 2015 (Journal Indexed in SCI Expanded)

### **XIX. USE OF THE PLANT AS BIOCATALYSTS FOR PRODUCING ENANTIOMERICALLY PURE SECONDER ALCOHOL**

Çelik Kazıcı H., MEHMETOĞLU Ü.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.1, pp.49-56, 2015 (Journal Indexed in SCI)

### **XX. Determination of the optimum conditions for boric acid extraction from ulexite in perchloric acid solutions**

Gür A., Yıldız A., Çelik H., Selçuk A.

ASIAN JOURNAL OF CHEMISTRY, vol.20, pp.2929-2936, 2008 (Journal Indexed in SCI)

## **Articles Published in Other Journals**

### **I. As a highly efficient reduced graphene oxide-supported ternary catalysts for the fast hydrogen release from NaBH<sub>4</sub>**

Şahin Ö., Bozkurt A., Yayla M., Çelik Kazıcı H., İzgi M. S.

Graphene Technology, pp.1-9, 2020 (Refereed Journals of Other Institutions)

### **II. An Investigation into the Electrochemical Behavior of Beta-Blocker Drugs Using Reduced Graphene Oxide Modified Screen Printed Electrodes**

Çelik Kazıcı H.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.357-365, 2020 (National Refreed University Journal)

### **III. A novel study on the stepwise electrodeposition approach for the synthesis of Pd based nanoparticles, characterization and their enhanced electrooxidation activities**

Avcı C., Cicek F., Çelik Kazıcı H., Kıvrak A., Demir Kıvrak H.

INTERNATIONAL JOURNAL OF NANO DIMENSION, vol.9, no.1, pp.15-23, 2018 (Journal Indexed in ESCI)

### **IV. The Ultra-sensitive method development using Nafion and multi-walled carbon nanotube coated glassy carbon electrode for atenolol determination**

Çelik Kazıcı H.

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, pp.1-9, 2018 (National Refreed University Journal)

### **V. Development of an ultra-sensitive method using nafion and multi-walled carbon nanotube coated glassy carbon electrode for atenolol determination**

Çelik Kazıcı H.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.7, pp.1287-1292, 2018 (Journal Indexed in ESCI)

### **VI. An investigation on dissolution kinetics of pre-heated ulexite**

Çelik Kazıcı H., gür a.

Materials Science Research india, vol.4, pp.57-63, 2007 (Refereed Journals of Other Institutions)

## **Books & Book Chapters**

### **I. γ-Al<sub>2</sub>O<sub>3</sub>-SUPPORTED MATERIALS FOR CATALYZING THE HYDROLYTIC DEHYDROGENATION OF**

## **AMMONIA BORANE**

İzgi M. S. , Baytar O., Yayla M., Çelik Kazıcı H., Şahin Ö.

in: CURRENT STUDIES AT POSITIVE SCIENCES, Dr. Mehriban EMEK, Dr. E. İlhan ŞAHİN, Editor, İksad Publishing House, Ankara, pp.87-112, 2020

### **II. Yakıt Pili Katalizörlerin Sentezi**

Çelik Kazıcı H., Ulaş B., Demir Kıvrak H.

in: Yakıt Pili Katalizörleri, KIVRAK H., Editor, Gece Akademi, Ankara, pp.135-150, 2019

### **III. Bölüm 3: Yakıt Pili Katalizörlerinin Sentezi ve Karakterizasyonu**

Çelik Kazıcı H., Ulaş B., Demir Kıvrak H.

in: Yakıt Pili Katalizörleri, Demir Kıvrak H., Editor, Gece Kitaplığı, Ankara, pp.37-99, 2019

## **Refereed Congress / Symposium Publications in Proceedings**

- I. EFFECTS OF ACTIVATED CARBON SUPPORTED PdRu CATALYSTS ON HYDROGEN PRODUCTION**  
Muhtasım R., Salman F., Yayla M., Çelik Kazıcı H.  
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.91
- II. Carbon Derivative Supported Triple Metal Electro Sensor for Citric Acid Detection in Food Samples**  
Yayla M., Çelik Kazıcı H., Demir Kıvrak H.  
ICENTE'20, Konya, Turkey, 19 - 21 November 2020, pp.237-239
- III. Bimetalik Nanokatalizörlerin Sentezi ve Hidrojen Peroksit Sensör Uygulamaları**  
Yıldırım A., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.  
13. Kimya Mühendisliği Kongresi, Van, Turkey, 03 September 2019 - 06 September 2018, pp.1
- IV. Amonyak-Boranın Heterojen Fazda Katalitik Hidrolizi**  
Yıldız F., Salman F., İZGİ M. S. , Şahin Ö., Çelik Kazıcı H.  
13. Kimya Mühendisliği Kongresi, Van, Turkey, 03 September 2019 - 06 September 2018, pp.1
- V. Investigation of Antibacterial and Antifungal Properties of Ag / C containing Nanoparticles**  
Çelik Kazıcı H., Yönten V., Kıvanç M. R. , Ertaş M.  
International Conference on Vocational and Technical Science, Batum, Georgia, 5 - 07 August 2019, pp.14
- VI. Al<sub>2</sub>O<sub>3</sub>-supported nanoparticles for catalyzing the hydrolysis of ammonia borane**  
İZGİ M. S. , BAYTAR O., Yayla M., Çelik Kazıcı H., ŞAHİN Ö.  
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.7
- VII. Preparation of GO based Co-Cu-B and investigation of hydrogen production performance**  
ŞAHİN Ö., Yayla M., Çelik Kazıcı H., İZGİ M. S.  
IHTEC 2019, Antalya, Turkey, 20 - 22 June 2019, pp.6
- VIII. Eupergit CM supported Co-Mn-B nanoparticles as catalyst for the H<sub>2</sub> production from NH<sub>3</sub>BH<sub>3</sub> methanolysis**  
Çelik Kazıcı H., İZGİ M. S. , Şahin Ö.  
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.3
- IX. CeO<sub>2</sub> supported multimetallic nano materials as an efficient catalyst for hydrogen generation from the hydrolysis of NaBH<sub>4</sub>**  
İZGİ M. S. , BAYTAR O., Şahin Ö., Çelik Kazıcı H.  
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.5
- X. Synthesis and characterization of nanostructured Co-Fe-B using different support materials for ammonia borane hydrolysis**  
Çelik Kazıcı H., İzgi M. S. , Şahin Ö.  
IHTEC 2019, Edirne, Turkey, 20 - 22 June 2019, pp.1
- XI. A highly selective non-enzymatic H<sub>2</sub>O<sub>2</sub> sensor supported on Eupergit CM decorated with PdMoAg nanoparticles**  
Çelik Kazıcı H., Salman F., İZGİ M. S. , Şahin Ö.  
5th ICNTC, Atina, Greece, 22 - 24 April 2019, pp.3-4

- XII. **Pd@Sn Vulcan nanomateryalinin gıdalarda koruyucu madde tayininde kullanılması**  
Yayla M., Çelik Kazıcı H., Ulaş B., Demir Kıvrak H., Aktaş N.  
13 Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7547
- XIII. **DEVELOPMENT OF MULTIMETALLIC NANOCATALYST AND FOR HYDROGEN PRODUCTION FROM AMMONIA BORANE IN LIQUID PHASE**  
Çelik Kazıcı H., Yıldız F., Demir Kıvrak H.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1
- XIV. **SYNTHESIS OF MULTI-METAL NANOCATALYSTS AND THEIR APPLICATIONS**  
Çelik Kazıcı H., Salman F., Demir Kıvrak H.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.1
- XV. **Hydrogen peroxide sensor application of Ti and TiNi catalyts**  
Çağlar A., Demir Kıvrak H., Çelik Kazıcı H., Aydoğmuş T., Aktaş N.  
International symposium for environmental science and engineering research (ISESER), Antalya, Turkey, 11 - 12 May 2018, pp.11
- XVI. **NANOENGINEERED SURFACES FOR POTENTIAL GLUCOSE SENSOR APPLICATIONS**  
Çelik Kazıcı H., Yayla M.  
7th International Conference 3 on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018, pp.122
- XVII. **NGCE AU PDNPS C FOR HYDROGEN PEROXIDE SENSOR APPLICATIONS**  
Çelik Kazıcı H., Salman F., Demir Kıvrak H.  
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018, pp.124
- XVIII. **The effect of sensor properties of multi-metal electrocatalysts on food**  
Çelik Kazıcı H., Salman F.  
International Congress on Engineering and Life Science, Kastamonu, Turkey, 26 - 29 April 2018, pp.1
- XIX. **Determination of Kinetic Parameters of Enzymatic Biosensors, Prepared for Glucose Determination**  
Çelik Kazıcı H., Yayla M.  
International Advanced Researches & Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.1
- XX. **Highly active non-enzymatic hydrogen peroxide and glucose detection**  
Çelik Kazıcı H., Kıvrak H., Salman F.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1
- XXI. **Sensitive non-enzymatic glucose sensor based on bimetallic metals**  
Çelik Kazıcı H., Yayla M., Demir Kıvrak H.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1
- XXII. **Synthesis, Characterization and CO Poisoning Tolerance of PdAgNi/CNT Catalysts**  
Çelik Kazıcı H., Ulaş B., Kıvrak H., Çağlar A.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1
- XXIII. **Synthesis and Characterization of PdAgNi/CNT Catalysts for Formic Acid Electrooxidation,**  
Çelik Kazıcı H., Ulaş B., Kıvrak H., Çağlar A.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1
- XXIV. **Synthesis Of The PdAgco/CNT For Direct Formic Acid Fuel Cell**  
Çelik Kazıcı H., Çağlar A., Ulaş B., Kıvrak H., Aktaş N.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Macaristan, Hungary, 3 - 07 May 2017, pp.1
- XXV. **Synthesis And Electrochemical Characterization Of The PdAg/CNT Electrocatalyst**  
Çelik Kazıcı H., Ulaş B., Kıvrak H., Aktaş N., Çağlar A.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Macaristan, Hungary, 3 - 07 May 2017, pp.1

- XXVI. **Synthesis Of Sodium Borohydride Based Ag-Co/MWCNT Nanocomposites For Applications In Catalysis**  
Çelik Kazıcı H., Salman F., Çağlar A., Kıvrak H., Aktaş N.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Macaristan, Hungary, 3 - 07 May 2017, pp.1
- XXVII. **Facile fabrication of Pd monometallic and Pd-Co bimetallic nanoparticles for highly sensitive non-enzymatic hydrogen peroxide sensing**  
Çelik Kazıcı H., Salman F., Çağlar A., Kıvrak H., Aktaş N.  
III INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), Macaristan, Hungary, 3 - 07 May 2017, pp.1
- XXVIII. **NiPd/C Metal Nanokatalizörlerin Sentezi ve Karakterizasyonu**  
Çelik Kazıcı H., Kıvrak H., Salman F.  
International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), Antalya, Turkey, 18 - 21 April 2017, pp.1
- XXIX. **Method Validation of Bimetallic Nanomaterials Sensor Activities**  
Çelik Kazıcı H., Yayla M., Demir Kıvrak H.  
International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), Antalya, Turkey, 18 - 21 April 2017, pp.1
- XXX. **Synthesis And Characterization Of Novel Mesoporous Catalysts**  
Çelik Kazıcı H., Düzenli D., Kıvrak H., Gökdoğan Şahin Ö.  
International Engineering, Science And Education Group (INESEG 2016), Diyarbakır, Turkey, 1 - 03 December 2016
- XXXI. **Microwave Synthesized Pd Nanoparticles And Their Application As A Non-Enzymatic Hydrogen Peroxide Sensor**  
Gökdoğan Şahin Ö., Kıvrak H., Kıvrak A., Çelik Kazıcı H., Alal O., Atbaş D.  
48th Symposium on Catalysis, Prague, Czech Republic, 20 - 22 October 2016, pp.1
- XXXII. **Synthesis and characterization of microwave assisted Pd nanoparticles as hydrogen peroxide sensor**  
Ulaş B., Gökdoğan Şahin Ö., Kıvrak H., Kıvrak A., Çelik Kazıcı H., Alal O., Atbaş D.  
International Conference on Nanoscience and Nanotechnology for Next Generation (NANONG2016), Antalya, Turkey, 20 - 22 October 2016, pp.1
- XXXIII. **Electrochemical study of Pd-Au/Au-Pd@C core/shell nanomaterials for non-enzymatic hydrogen peroxide sensor**  
Çelik Kazıcı H., Kıvrak H.  
International Conference on Nanoscience and Nanotechnology for Next Generation (NANONG2016), Antalya, Turkey, 20 - 22 October 2016, pp.21
- XXXIV. **M-Pd@C core/shell nanomateriallerinin hidrojen peroksit sensör geliştirilmesinde kullanımı**  
Yayla M., Çelik Kazıcı H., Demir Kıvrak H.  
12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016, pp.21
- XXXV. **Sulu Ortamda Çevreci Gümüş Nano-Parçacıklarının Sentezlenmesi**  
Yıldırım A., Çelik Kazıcı H., Kıvrak H.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016, pp.22
- XXXVI. **Çekirdek /Kabuk Nanokatalizörlerin Sentezi ve Uygulaması**  
NİŞO g., Salman F., Çelik Kazıcı H., Kıvrak H.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016, pp.11
- XXXVII. **Beta-blokerların saptanması için yeni bir elektrokimyasal sensör geliştirilmesi**  
Çelik Kazıcı H., Erdiç N., Kıvrak H., Kıvrak A.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK2016), İzmir, Turkey, 23 - 26 August 2016, pp.11
- XXXVIII. **Pd ve Pd-Ni metal katalizörlerinin sentezi, karakterizasyonu ve uygulaması**  
Salman F., Çelik Kazıcı H., Kıvrak H.  
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