

## Prof. AYTEN ATEŞ



### Personal Information

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### Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey  
1998 - 2003

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr),  
Turkey 1995 - 1998

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü,  
Turkey 1991 - 1995

### Foreign Languages

German, B1 Intermediate

English, B2 Upper Intermediate

### Dissertations

Doctorate, Alkilaromatik karışımların hidrodealkilasyonu-hidrokrakingi katalizör geliştirilmesi, Ankara University,  
Institute Of Science, 2003

Postgraduate, Ekstraktif sitrik asit fermentasyonu, Ankara University, Institute Of Science, 1998

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 2014 - Continues

Associate Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - 2014

Associate Professor, Université Bordeaux I, Cnrs, 2013 - 2013

Professor, Massachusetts Institute of Technology, Chemical Engineering, 2011 - 2012

Associate Professor, Karlsruher Institut Für Technologie, Institute For Micro Process Engineering, 2009 - 2009

Assistant Professor, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2009

Research Assistant, Universität Karlsruhe, Institut Für Chemische Verfahrenstechnik, 2003 - 2009

Assistant Professor, The Queen's University Of Belfast, Kimya Mühendisliği, 2008 - 2008  
Assistant Professor, The Queen's University Of Belfast, Kimya Mühendisliği, 2007 - 2007  
Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 2004 - 2006  
Research Assistant, Karlsruhe Institut Für Technologie, Institut Für Chemische Verfahrenstechnik, 2005 - 2005  
Research Assistant, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2000 - 2003  
Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 1999 - 2000  
Expert, Sivas Cumhuriyet University, Mühendislik Fakültesi, Kimya Mühendisliği, 1998 - 1999

## Academic and Administrative Experience

Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2014 - 2014  
Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2009 - 2011

## Courses

İleri Reaktör Tasarımı, Postgraduate, 2019 - 2020  
Kimyasal Tepkime Müh. - I, Undergraduate, 2019 - 2020  
Kimyasal Tepkime Müh. - I, Undergraduate, 2019 - 2020  
İleri Kimyasal Tepkime Mühendisliği, Postgraduate, 2019 - 2020  
Kimyasal Tepkime Müh. - II, Undergraduate, 2018 - 2019  
Kimyasal Tepkime Müh. - II, Undergraduate, 2018 - 2019  
Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020  
Seminer Dersi, Postgraduate, 2019 - 2020  
Kim. Müh. Lab. - I, Undergraduate, 2018 - 2019  
Tez Çalışması, Postgraduate, 2018 - 2019  
Kim.Müh.Lab. - II, Undergraduate, 2017 - 2018  
Kim.Müh.Lab. - II, Undergraduate, 2017 - 2018  
Heterojen Kataliz, Postgraduate, 2016 - 2017  
Proses Optimizasyonu, Postgraduate, 2015 - 2016  
Kim. Tepk.Müh. - II, Undergraduate, 2014 - 2015  
FizikoKimya - I, Undergraduate, 2012 - 2013  
FizikoKimya - I, Undergraduate, 2012 - 2013  
FizikoKimya - I, Undergraduate, 2012 - 2013  
FizikoKimya - I, Undergraduate, 2012 - 2013  
Fiziksel Kimya - I, Undergraduate, 2012 - 2013  
Fiziksel Kimya - I, Undergraduate, 2012 - 2013  
FizikoKimya - II, Undergraduate, 2010 - 2011  
FizikoKimya - II, Undergraduate, 2010 - 2011  
FizikoKimya - II, Undergraduate, 2010 - 2011  
FizikoKimya - II, Undergraduate, 2010 - 2011  
Kim. Tepk.Müh. - I, Undergraduate, 2010 - 2011  
Kimya Mühendisliğinde Sayısal Yöntemler, Undergraduate, 2009 - 2010  
Kimya Mühendisliğinde Sayısal Yöntemler, Undergraduate, 2009 - 2010  
FizikoKimya Lab., Undergraduate, 2010 - 2011  
FizikoKimya Lab., Undergraduate, 2010 - 2011  
Kim. Müh. Lab. - I, Undergraduate, 2009 - 2010  
Kütle ve Enerji Denk. - II, Undergraduate, 2009 - 2010  
Kütle ve Enerji Denk. - II, Undergraduate, 2007 - 2008  
Kim. Tepk.Müh. - I, Undergraduate, 2008 - 2009

Kütle ve Enerji Denk. - II, Undergraduate, 2007 - 2008

Temel Bilgisayar Bilimleri, Undergraduate, 2006 - 2007

Temel Bilgisayar Teknolojileri Kullanımı, Undergraduate, 2007 - 2008

## Advising Theses

Ateş A., Li-S pilleri için bor katkılı fındıkkaşu biyokömürlerinin üretimi ve karakterizasyonu, Postgraduate, B.Aydemir(Student), Continues

Ateş A., Ham ve muamele edilmiş çay atıklarının adsorpsiyon özelliklerinin incelenmesi, Postgraduate, Y.MERT(Student), 2019

Ateş A., Oksit katalizörlerinin varlığında süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Postgraduate, H.HATIPOĞLU(Student), 2019

ATEŞ A., Zirkonyum oksit ile süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Postgraduate, O.MERT(Student), 2017

ATEŞ A., Süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Postgraduate, G.YAŞAR(Student), 2016

ATEŞ A., İçme sularından mangan ve arsenik gideriminde doğal ve modifiye edilmiş zeolitlerin kullanımı, Postgraduate, İ.ÖZKAN(Student), 2014

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

- I. **Preparation and characterization of Fe<sub>3</sub>O<sub>4</sub>/ZIF-8 and Fe<sub>3</sub>O<sub>4</sub>-MnO<sub>2</sub>/ZIF-8 composites**  
Kümbetlioğlu F., OSKAY K. O., ATEŞ A.  
Journal of the Iranian Chemical Society, vol.21, no.4, pp.1079-1088, 2024 (SCI-Expanded)
- II. **Investigation of physicochemical and chemical properties of biochar activated with carbonate, nitrate, and borohydride**  
ATEŞ A.  
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
- III. **Direct co-deposition of binder-free Cu-biochar-based nonenzymatic disposable sensing element for electrochemical glucose detection**  
Larasati L. D., ATEŞ A., OSKAY K. O.  
Surfaces and Interfaces, vol.42, 2023 (SCI-Expanded)
- IV. **Evaluation of iron containing biochar composites prepared by different preparation methods for H<sub>2</sub>O<sub>2</sub> sensing**  
ATEŞ A., OSKAY K. O.  
Journal of the Taiwan Institute of Chemical Engineers, vol.152, 2023 (SCI-Expanded)
- V. **Synthesis, optical properties and conduction mechanism study of  $\alpha$ - and  $\gamma$ -NaMnO<sub>2</sub> materials**  
Boukthir M., Krimi M., Karoui K., Altarifi S. M., Mahmoud A., Boschini F., Ateş A., Ben Rhaïem A.  
New Journal of Chemistry, vol.47, no.45, pp.21107-21117, 2023 (SCI-Expanded)
- VI. **Preparation, Characterization, and Application of Metal Oxide-Doped Zeolitic Imidazolate Framework**  
Kümbetlioğlu F., OSKAY K. O., ÇIPLAK Z., ATEŞ A.  
ACS Omega, vol.8, no.30, pp.27650-27662, 2023 (SCI-Expanded)
- VII. **Investigation of structural, morphology, and conduction mechanism of GO-Fe<sub>3</sub>O<sub>4</sub>-TiO<sub>2</sub> composite material**  
ATEŞ A., brahim K. b., Çakmak N. K., Oueslati A., Gargouri M.  
Journal of Materials Science: Materials in Electronics, vol.34, no.24, 2023 (SCI-Expanded)
- VIII. **The effect of microwave and ultrasound activation on the characteristics of biochar produced from tea waste in the presence of H<sub>3</sub>PO<sub>4</sub> and KOH**  
Ateş A.  
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.10, pp.9075-9094, 2023 (SCI-Expanded)

- IX. **Structural, dielectric and transport properties of  $\text{Na}_x\text{Fe}_{1/2}\text{Mn}_{1/2}\text{O}_2$  ( $x = 1$  and  $2/3$ )**  
Missouli F., Trablsi K., Moufida K., Ateş A., Mahmoud A., Boschini F., Ben Rhaïem A.  
RSC Advances, vol.13, no.26, pp.17923-17934, 2023 (SCI-Expanded)
- X. **Evaluation of characteristics of raw tea waste-derived adsorbents for removal of metals from aqueous medium**  
Ateş A., Mert Y., Timko M. T.  
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.9, pp.7811-7826, 2023 (SCI-Expanded)
- XI. **Synthesis and characterization of molybdenum trioxide with an orthorhombic crystal structure for supercritical water gasification application**  
ATEŞ A., Hatipoğlu H.  
Journal of Molecular Structure, vol.1275, 2023 (SCI-Expanded)
- XII. **Optimization of Paracetamol and Chloramphenicol Removal by Novel Activated Carbon Derived from Sawdust Using Response Surface Methodology**  
Romdhani M., Attia A., Charcosset C., Mahouche-Chergui S., ATEŞ A., Duplay J., Ben Amar R.  
Sustainability (Switzerland), vol.15, no.3, 2023 (SCI-Expanded)
- XIII. **Bamboo as a Cost-Effective Source of Renewable Carbon for Sustainable Economic Development in Low- and Middle-Income Economies**  
Ekwe N. B., Tyufekchiev M. V., Salifu A. A., Schmidt-Rohr K., Zheng Z., Maag A. R., Tompsett G. A., Cai C. M., Onche E. O., ATEŞ A., et al.  
Energies, vol.16, no.1, 2023 (SCI-Expanded)
- XIV. **Investigation of physicochemical and biological properties of boron-doped biochar**  
Ateş A., Aydemir B., Öksüz K. E.  
Biomass Conversion and Biorefinery, 2023 (SCI-Expanded)
- XV. **Preparation and characterization of nanosized  $\text{Fe}_3\text{O}_4$ -biochar electrocatalysts with large surface area for  $\text{H}_2\text{O}_2$  sensing**  
ATEŞ A., OSKAY K. O.  
SURFACES AND INTERFACES, vol.29, 2022 (SCI-Expanded)
- XVI. **Mechanochemical Pretreatment for Waste-Free Conversion of Bamboo to Simple Sugars: Utilization of Available Resources for Developing Economies**  
Ekwe N. B., Tyufekchiev M., Salifu A. A., Tompsett G. A., Leclerc H. O., Belden E. R., Onche E. O., Ateş A., Schmidt-Rohr K., Yuan S., et al.  
ADVANCED SUSTAINABLE SYSTEMS, vol.6, no.4, 2022 (SCI-Expanded)
- XVII. **Evaluation of Stability and Catalytic Activity in Supercritical Water of Zinc Oxide Samples Prepared by the Sol-Gel Method**  
Ateş A., Hatipoglu H.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.31, no.12, pp.4581-4593, 2021 (SCI-Expanded)
- XVIII. **Activity and stability of  $\text{TiO}_2$  samples with different phase compositions in the decomposition of formaldehyde in SCW**  
Ateş A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.2, pp.1842-1856, 2021 (SCI-Expanded)
- XIX. **Experimental and Computational Evaluation of Heavy Metal Cation Adsorption for Molecular Design of Hydrothermal Char**  
Delahaye L., Hobson J. T., Rando M. P., Sweeney B., Brown A. B., Tompsett G. A., Ateş A., Deskins N. A., Timko M. T.  
ENERGIES, vol.13, no.16, 2020 (SCI-Expanded)
- XX. **Characterization of persimmon fruit peel and its biochar for removal of methylene blue from aqueous solutions: thermodynamic, kinetic and isotherm studies**  
Ateş A., Oymak T.  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, vol.22, no.6, pp.607-616, 2020 (SCI-Expanded)
- XXI. **The modification of aluminium content of natural zeolites with different composition**  
Ateş A.

- POWDER TECHNOLOGY, vol.344, pp.199-207, 2019 (SCI-Expanded)
- XXII. **Effect of alkali-treatment on the characteristics of natural zeolites with different compositions**  
ATEŞ A.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.523, pp.266-281, 2018 (SCI-Expanded)
- XXIII. **Role of Modification of Natural Zeolite in Removal of Arsenic from Aqueous Solutions**  
Ateş A., Ozkan I., Topal Canbaz G.  
ACTA CHIMICA SLOVENICA, vol.65, no.3, pp.586-598, 2018 (SCI-Expanded)
- XXIV. **Synthesis and characterization of hybrid iron oxide silicates for selective removal of arsenic oxyanions from contaminated water**  
El-Moselhy M. M., ATEŞ A., ÇELEBİ A.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.488, pp.335-347, 2017 (SCI-Expanded)
- XXV. **Modification of natural zeolite with NaOH for removal of manganese in drinking water**  
ATEŞ A., Akgul G.  
POWDER TECHNOLOGY, vol.287, pp.285-291, 2016 (SCI-Expanded)
- XXVI. **Effect of pre-treatment and modification conditions of natural zeolites on the decomposition and reduction of N<sub>2</sub>O**  
Ates A.  
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.114, no.2, pp.421-432, 2015 (SCI-Expanded)
- XXVII. **Role of modification of natural zeolite in removal of manganese from aqueous solutions**  
Ates A.  
POWDER TECHNOLOGY, vol.264, pp.86-95, 2014 (SCI-Expanded)
- XXVIII. **The role of catalyst in supercritical water desulfurization**  
Ates A., Azimi G., Choi K., Green W. H., Timko M. T.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.147, pp.144-155, 2014 (SCI-Expanded)
- XXIX. **Influence of treatment conditions on decomposition activity of N<sub>2</sub>O over FeZSM-5 with high iron content**  
Ates A.  
CATALYSIS SCIENCE & TECHNOLOGY, vol.4, no.7, pp.2031-2041, 2014 (SCI-Expanded)
- XXX. **Thin-Film Catalytic Coating of a Microreactor for Preferential CO Oxidation over Pt Catalysts**  
ATEŞ A., Pfeifer P., Goerke O.  
CHEMIE INGENIEUR TECHNIK, vol.85, no.5, pp.664-672, 2013 (SCI-Expanded)
- XXXI. **Oxidative dehydrogenation of propane with N<sub>2</sub>O over Fe-ZSM-5 and Fe-SiO<sub>2</sub>: Influence of the iron species and acid sites**  
Ateş A., Hardacre C., Goguet A.  
APPLIED CATALYSIS A-GENERAL, vol.441, pp.30-41, 2012 (SCI-Expanded)
- XXXII. **Surface oxygen generated upon N<sub>2</sub>O activation on iron containing ZSM-5 type zeolites with different elemental composition**  
ATEŞ A., Reitzmann A., Waters G.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.119, pp.329-339, 2012 (SCI-Expanded)
- XXXIII. **The effect of various treatment conditions on natural zeolites: Ion exchange, acidic, thermal and steam treatments**  
ATEŞ A., Hardacre C.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.372, pp.130-140, 2012 (SCI-Expanded)
- XXXIV. **Abatement of nitrous oxide over natural and iron modified natural zeolites**  
ATEŞ A., Reitzmann A., Hardacre C., YALÇIN H.  
APPLIED CATALYSIS A-GENERAL, vol.407, pp.67-75, 2011 (SCI-Expanded)
- XXXV. **Characteristics of Fe-exchanged natural zeolites for the decomposition of N<sub>2</sub>O and its selective catalytic reduction with NH<sub>3</sub>**  
ATEŞ A.  
APPLIED CATALYSIS B-ENVIRONMENTAL, vol.76, pp.282-290, 2007 (SCI-Expanded)
- XXXVI. **Experimental techniques for investigating the surface oxygen formation in the N<sub>2</sub>O decomposition**

#### **on Fe-MFI zeolites**

Ates A., Reitzmann A.

CHEMICAL ENGINEERING JOURNAL, vol.134, pp.218-227, 2007 (SCI-Expanded)

XXXVII. **Heavy metal removal from aqueous solution by Pseudevernia furfuracea (L.) Zopf**

Ates A., Yildiz A., Yildiz N., Calimli A.

ANNALI DI CHIMICA, vol.97, pp.385-393, 2007 (SCI-Expanded)

XXXVIII. **The interaction of N<sub>2</sub>O with ZSM-5-type zeolites: A transient, multipulse investigation**

Ates A., Reitzmann A.

JOURNAL OF CATALYSIS, vol.235, no.1, pp.164-174, 2005 (SCI-Expanded)

XXXIX. **Transient multi pulse method for the determination of N<sub>2</sub>O - Interaction with ZSM-5 type zeolites**

Ates A., Reitzmann A.

REACTION KINETICS AND CATALYSIS LETTERS, vol.86, no.1, pp.11-20, 2005 (SCI-Expanded)

XL. **Development of a polyfunctional catalyst for benzene production from pyrolysis gasoline**

Alibeyli R., Karaduman A., Yeniova H., Ates A., Bilgesu A.

APPLIED CATALYSIS A-GENERAL, vol.238, no.2, pp.279-287, 2003 (SCI-Expanded)

### **Articles Published in Other Journals**

I. **Effect of Catalyst Modification on Hydrodealkylation of Aromatic Mixtures**

Ateş A., Yeniova H., Alibeyli R.

Journal of Polytechnic, vol.3, no.1, pp.10-20, 2021 (ESCI)

II. **Doğal ve modifiye edilmiş sepiyolit ile sulu çözeltilerden arsenik ve manganın adsorpsiyon ile ayrımı**

ATEŞ A., YAŞAR G.

Academic Platform Journal of Engineering and Science, vol.7, no.1, pp.1, 2019 (Peer-Reviewed Journal)

III. **Production and characterisation of biochar from tea waste and its nickel removal capacity from aqueous solutions**

AKGÜL G., ATEŞ A., HATİPOĞLU H., YAŞAR G.

Progress in Industrial Ecology –An International Journal, vol.11, no.2, pp.105-117, 2017 (Peer-Reviewed Journal)

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

I. **Application of chemically and physically activated hazelnut shell biochar for supercapacitors**

Rossi Z., Çalışkan Ş., ATEŞ A.

5. Bioenergy Studies Symposium, Turkey, 17 January 2024

II. **Effect of iron precursor on the properties of magnetic biochar composites for H<sub>2</sub>O<sub>2</sub> sensing**

ATEŞ A., OSKAY K. O.

5. Bioenergy Studies Symposium, Turkey, 17 - 18 January 2024

III. **Sulu ortamdan boyaların uzaklaştırılmasında biyokömürün performansı**

ATEŞ A.

3 rd International Conference on Scientific and Academic Research, Konya, Turkey, 25 December 2023, vol.1, pp.680-689

IV. **PRODUCTION OF BIOCHAR AND APPLICATIONS FOR SUPERCAPACITORS FROM VARIOUS PLANT SOURCES**

ATEŞ A.

INTERNATIONAL CONGRESS ON ADVANCED RESEARCH AND APPLICATIONS, Sivas, Turkey, 01 December 2023, vol.1, pp.507-529

V. **Supercapacitor performance of activated biochar derived from raw tea waste**

Çalışkan Ş., Balde M. S., ATEŞ A.

10th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG-2023), 27

September 2023

- VI. **Artificial Neural Network Modeling of Biochar Produced by Chemical and Physical Activation from Raw Tea Waste**  
Balde M. S., KARAKIŞ R., ATEŞ A.  
19TH Asian Chemical Congress, İstanbul, Turkey, 09 July 2023
- VII. **Synthesis and Characterization of Metal (Cu, Mn and Fe) -Doped ZIF-8 Metal Organic Framework for Supercapacitor Applications**  
Kümbetlioğlu F., ATEŞ A.  
8th NANO Boston Conference (NWC Boston-2022), Bastogne, Belgium, 31 October - 02 November 2022, pp.47
- VIII. **Graphene based electrochemical sensors for sensitive detection of glucose**  
ATEŞ A.  
The Fifth International Conference on Engineering Sciences on Biology and Medicine, Sousse, Tunisia, 21 October 2022, pp.77
- IX. **Research of new material, for the electrochemical sensors, based on graphene oxide**  
Hammami N., KEKLİKÇİOĞLU ÇAKMAK N., TOPAL CANBAZ G., ATEŞ A., Megdiche M.  
The Fifth International Conference on Engineering Sciences on Biology and Medicine, Sousse, Tunisia, 21 - 23 October 2022, pp.18-16
- X. **Preparation and characteristics of boron phosphate by chemical activated pyrolysis of biomass**  
Aydemir B., ARIK M. N., ATEŞ A.  
Uluslararası Bor Sempozyumu'na (BORON 2022), İstanbul, Turkey, 5 - 07 October 2022, vol.1, pp.1-7
- XI. **Nonenzymatic Glucose Sensor Based on In Situ Reduction of NiO-Graphene Nanocomposite**  
Gharsallah F., Topal Canbaz G., Keklikcioğlu Çakmak N., Oskay K. O., Ateş A., Ghorbel N., Arous M., Maalej R.  
5th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 - 25 June 2022, pp.40
- XII. **Reduced Graphene Oxide Decorated with Nickel Nanoparticles for Glucose Sensing**  
Gharsallah F., TOPAL CANBAZ G., KEKLİKÇİOĞLU ÇAKMAK N., ATEŞ A., OSKAY K. O., Ghorbel N., Arous M.  
5 th International Conference on Physical Chemistry & Functional Materials (PCFM), 23 June 2022
- XIII. **Sol-Gel Synthesis of Molybdenum Trioxide with an Orthorhombic Crystal Structure for Supercritical Water Gasification Application**  
ATEŞ A., HATİPOĞLU H.  
5 th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 - 25 June 2022, vol.1, pp.38
- XIV. **THE EFFECT OF CALCINATION TEMPERATURE ON THE STRUCTURE AND MORPHOLOGY OF ZnO PRODUCED BY THE SOL-GEL METHOD**  
ATEŞ A.  
INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 15 December 2021, vol.3, pp.9-16
- XV. **FINDIKKABUĞU BİYOKÖMÜRÜNÜN YÜZEY ÖZELLİKLERİNİN MODİFİKASYONU**  
ATEŞ A.  
INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 15 December 2021, vol.3, pp.17-29
- XVI. **Preparation and Characterization of Boron- Doped Nutshell Biochar for Li-S Battery**  
Aydemir B., ATEŞ A.  
3rd Bioenergy Studies Symposium, Samsun, Turkey, 20 - 21 May 2021, vol.1, pp.58
- XVII. **Modification of Pore and Surface Characteristics of Biochar Produced from Raw Tea Waste**  
Ateş A.  
3rd Bioenergy Studies Symposium, Samsun, Turkey, 20 May 2021, pp.54
- XVIII. **Ceviz kabuğu biyokömürünün sulu çözeltilerden arsenik gideriminde kullanımı**  
ATEŞ A.  
2. International Conference on Technology and Science, 14 - 16 November 2019, vol.2, pp.537-544
- XIX. **Sulu çözeltilerden arsenik gideriminde fındikkabuğu biyokömürünün kullanımı**  
ATEŞ A.

2. International Conference on Technology and Science, 14 - 16 November 2019, vol.1, pp.1046-1053
- XX. **Sulu çözeltilerden arsenik giderimi için bitkisel atık karışımlarından üretilen biyokömürlerin karakteristikleri**  
ATEŞ A.  
2. International Conference on Technology and Science, 14 - 16 November 2019, vol.2, pp.1046-1053
- XXI. **Synthesis and characterisation of ZnO particules**  
ATEŞ A.  
4th International Energy Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, vol.1, pp.364-376
- XXII. **Use of tea waste based adsorbents for the removal of cationic dye from aqueous solutions**  
ATEŞ A., OYMAK T., MERT Y.  
4th International Energy Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, vol.2, pp.377-382
- XXIII. **Arsenic removal from aqueous solutions with alkali treated natural zeolites**  
ATEŞ A.  
1st International Conference on Environment, Technology and Management (ICETEM), Niğde, Turkey, 27 - 29 June 2019, vol.1, pp.467-475
- XXIV. **Effect of aluminium content of zeolites on the arsenic removal from aqueous solutions**  
ATEŞ A.  
1st International Conference on Environment, Technology and Management (ICETEM), Niğde, Turkey, 27 - 29 June 2019, vol.1, pp.467-475
- XXV. **OXIDATIVE DEHYDROGENATION OF N-BUTANE OVER Fe-ZSM-5 ZEOLITES**  
ATEŞ A.  
I. ANADOLU ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Diyarbakır, Turkey, 28 - 29 December 2018, pp.1373-1382
- XXVI. **THE CHARACTERISTICS OF MAGNETIC ADSORBENTS PRODUCED FROM COPYROLYSIS OF AGRICULTURE WASTES WITH Fe(III)**  
ATEŞ A.  
1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, Diyarbakır, Turkey, 28 - 29 December 2018, pp.1383-1390
- XXVII. **EFFECT OF CHARACTERISTICS OF Fe- ZSM-5 ZEOLITES ON OXIDATIVE DEHYDROGENATION ACTIVITY OF PROPANE WITH N<sub>2</sub>O AND O<sub>2</sub>**  
ATEŞ A.  
1. Anadolu Uluslararası Multidisipliner Çalışmalar Kongresi, Diyarbakır, Turkey, 28 - 29 December 2018
- XXVIII. **Effects of Modifications of Natural zeolites upon Removal of Manganese from Aqueous Solutions**  
ATEŞ A.  
3rd International Colloquium Energy and Environmental Protection, 14 - 16 November 2018, pp.55-56
- XXIX. **Stability of Zinc Oxide Samples Prepared with Sol Gel Method in Supercritical Water**  
ATEŞ A.  
3rd International Colloquium Energy and Environmental Protection, 14 - 16 November 2018, pp.54-55
- XXX. **Production and characterization of Biochar from Fruit and vegetable wastes**  
ATEŞ A.  
International Engineering and Technology Symposium, Turkey, 3 - 05 May 2018, pp.237
- XXXI. **Preparation and characterization of zinc oxide catalyst for gasification of glucose in supercritical water**  
ATEŞ A.  
1. International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018, pp.120
- XXXII. **Influence of iron content and treatment conditions on the oxidative dehydrogenation of propane over zsm-5 zeolites with low iron content**  
ATEŞ A.  
1. International Balkan Chemistry Congress, Edirne, Turkey, 17 - 20 September 2018, pp.115
- XXXIII. **Removal of Methylene Blue From Aqueous Solution by Persimmon Fruit Shell As Natural Biosorbent**  
Kargı E. C., Keçe T., Işık Ç., OYMAK T., ATEŞ A.



- 3rd International Conference on Engineering Technology and Applied Sciences Congress, 17 - 21 July 2018
- XXXIV. **Modification and characterization of tea waste for removal of heavy metals from solutions**  
Demir Y., OYMAK T., ATEŞ A.  
3. International Conference on Civil and Environmental Engineering (ICOCEE)", 24 - 27 April 2018
- XXXV. **The influence of aluminum content of natural zeolites on their adsorption characteristics**  
ATEŞ A.  
3. International Conference on Civil and Environmental Engineering (ICOCEE), İzmir, Turkey, 24 - 27 April 2018
- XXXVI. **Gasification of formaldehyde into hydrogen and methane on zinc oxide catalyst in supercritical water**  
ATEŞ A., Hatipoğlu H.  
8th International Advanced Technologies Symposium (IATS'17), 19 - 22 October 2017, pp.220
- XXXVII. **Synthesis and characterisation of molybdenum oxide for gasification of formaldehyde in supercritical water**  
ATEŞ A., HATİPOĞLU H.  
8th International Advanced Technologies Symposium (IATS'17), 19 - 22 October 2017, pp.226
- XXXVIII. **Modification and characterization of tea waste for removal of dyes from solutions**  
Demir Y., OYMAK T., ATEŞ A.  
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 8 - 10 May 2017
- XXXIX. **Modification and characterization of tea waste for removal of dyes from solutions**  
DEMİR Y., OYMAK T., ATEŞ A.  
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 8 - 10 May 2017
- XL. **Gasification of formaldehyde into hydrogen and methane on zirconium oxide catalyst in supercritical water**  
ATEŞ A., MERT O., YAŞAR G., EKİNCİ MACHIN N.  
"International Conference on Energy and Thermal Engineering: İstanbul 2017", 25 - 28 April 2017
- XLI. **Stability and activity of zirconium oxide in catalytic supercritical water gasification of formaldehyde**  
ATEŞ A., MERT O.  
The International Conference on Engineering Technology and Innovation (ICETI), 22 - 26 March 2017, pp.92
- XLII. **Activity and stability of TiO<sub>2</sub> catalysts in catalytic decomposition of formaldehyde in supercritical water**  
ATEŞ A.  
The International Conference on Engineering Technology and Innovation (ICETI), 22 - 26 March 2017
- XLIII. **Demir Yüklendi Hibrid Silika Kullanarak Sudan Arseniğin Seçimli Giderimi**  
ATEŞ A., ElMoselhy M. M.  
3rd INTERNATIONAL SYMPOSIUM ON ENVIRONMENT AND MORALITY, 4 - 06 November 2016
- XLIV. **Influence of Aluminium Introduced into Natural Zeolites on Arsenic Removal from Aqueous Medium**  
ATEŞ A.  
2nd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES (2nd ITWCCST), 26 - 30 October 2016
- XLV. **Synthesis and Characterization of Manganese Oxide Nanoparticles for Decomposition of Formaldehyde in Supercritical Water**  
ATEŞ A.  
II INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 26 - 30 October 2016
- XLVI. **DEMİR YÜKLENMİŞ DOĞAL ZEOLİTLER İLE SULU ÇÖZELTİLERDEN ARSENİK GİDERİMİ**  
ATEŞ A., Kekul G., Bolukbasi F. G., Oteles A., Alic F.  
ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK2016), Turkey, 23 - 26 August 2016
- XLVII. **Production and Characterization of Blochar from Tea Waste and Its Nickel Removal Capacity from Aqueous Solutions**  
Akgul G., ATEŞ A., Yasar G., Hatipoglu H.  
4th "International Conference on Renewable Energy: Generation and Applications" ICREGA'16, 8 - 10 February

2016

- XLVIII. IMPORTANCE OF NATURAL ZEOLITE COMPOSITION IN MANGANESE TREATMENT FOR DRINKING WATER**  
ATEŞ A., ÇELEBİ A.  
3. International Water Congress, 8 - 10 October 2015
- XLIX. The synthesis and characterization of sol gel TiO<sub>2</sub> for decomposition of formaldehyde in SCW**  
YAŞAR G., ATEŞ A.  
1st International Conference on Green Chemistry and Sustainable Technologies (GCSTI 2015), 30 September - 03 October 2015
- L. Using natural and modified zeolites for removal of manganese and arsenic in drinking water**  
ATEŞ A., ÖZKAN İ.  
2nd International Symposium on Environment and morality (ISEM2014), 24 October 2014 - 26 June 2015
- LI. The Synthesis and Characterization of nano CeO<sub>2</sub> for Decomposition of Formaldehyde in SCW**  
ÇOŞKUNER S., EKİNCİ MACHIN N., DUYGULU Ö., ATEŞ A., YAŞAR G.  
NanoTR 11, Turkey, 22 - 25 June 2015
- LII. The use of natural and modified sepiolite for removal of arsenic in drinking water**  
ATEŞ A.  
3rd INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND, 3 - 05 June 2015, pp.1687-1696
- LIII. The Oxidative Dehydrogenation Of Propane With Nitrous Oxide Over Iron Containing Zsm-5 Zeolites**  
TOPAL G., ATEŞ A.  
44th World Chemistry Congress, 11 - 16 August 2013
- LIV. Supercritical water desulfurization of model sulfur compounds**  
Patwardhan P. R., Kida Y., Ates A., Hernandez H. H., Timko M. T., Green W. H.  
243rd National Spring Meeting of the American-Chemical-Society, California, United States Of America, 25 - 29 March 2012, vol.243
- LV. Catalytic Combustion of Methane**  
MACHIN N., ÇAKIRCA E., ATEŞ A.  
6th International Advanced Technologies Symposium, 16 May 2011 - 18 March 2012, vol.5, pp.253-256

## Scientific Refereeing

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, May 2021  
ARABIAN JOURNAL OF CHEMISTRY, SCI Journal, May 2021  
Cleaner Engineering and Technology, Other Indexed Journal, April 2021  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2021  
CHEMOSPHERE, SCI Journal, March 2021  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, March 2020  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, July 2019  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2019  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, December 2018  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, May 2017  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2017  
CHEMOSPHERE, SCI Journal, February 2017

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## **Non Academic Experience**

MİLLİ EĞİTİM BAKANLIĞI