

## Prof. Dr. AYTEN ATEŞ



### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Türkiye  
1998 - 2003

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr),  
Türkiye 1995 - 1998

Lisans, Ankara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye  
1991 - 1995

### Yabancı Diller

Almanca, B1 Orta

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Alkilaromatik karışımların hidrodealkilasyonu-hidrokrakingi katalizör geliştirilmesi, Ankara Üniversitesi, Fen  
Bilimleri Enstitüsü, 2003

Yüksek Lisans, Ekstraktif sitrik asit fermentasyonu, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, 1998

### Araştırma Alanları

Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2014 - Devam Ediyor

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2009 - 2014

Doç. Dr., Université Bordeaux I, Cnrs, 2013 - 2013

Prof. Dr., Massachusetts Institute of Technology, Chemical Engineering, 2011 - 2012

Doç. Dr., Karlsruhe Institut Für Technologie, Institute For Micro Process Engineering, 2009 - 2009

Yrd. Doç. Dr., Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2009

Araştırma Görevlisi, Universität Karlsruhe, Institut Für Chemische Verfahrenstechnik, 2003 - 2009

Yrd. Doç. Dr., The Queen's University Of Belfast, Kimya Mühendisliği, 2008 - 2008  
Yrd. Doç. Dr., The Queen's University Of Belfast, Kimya Mühendisliği, 2007 - 2007  
Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 2004 - 2006  
Araştırma Görevlisi, Karlsruhe Institut Für Technologie, Institut Für Chemische Verfahrenstechnik, 2005 - 2005  
Araştırma Görevlisi, Ankara Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2000 - 2003  
Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 1999 - 2000  
Uzman, Sivas Cumhuriyet Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, 1998 - 1999

## **Akademik İdari Deneyim**

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

## **Verdiği Dersler**

İleri Reaktör Tasarımı, Yüksek Lisans, 2019 - 2020  
Kimyasal Tepkime Müh. - I, Lisans, 2019 - 2020  
Kimyasal Tepkime Müh. - I, Lisans, 2019 - 2020  
İleri Kimyasal Tepkime Mühendisliği, Yüksek Lisans, 2019 - 2020  
Kimyasal Tepkime Müh. - II, Lisans, 2018 - 2019  
Kimyasal Tepkime Müh. - II, Lisans, 2018 - 2019  
Uzmanlık Alan Dersi, Yüksek Lisans, 2019 - 2020  
Seminer Dersi, Yüksek Lisans, 2019 - 2020  
Kim. Müh. Lab. - I, Lisans, 2018 - 2019  
Tez Çalışması, Yüksek Lisans, 2018 - 2019  
Kim.Müh.Lab. - II, Lisans, 2017 - 2018  
Kim.Müh.Lab. - II, Lisans, 2017 - 2018  
Heterojen Kataliz, Yüksek Lisans, 2016 - 2017  
Proses Optimizasyonu, Yüksek Lisans, 2015 - 2016  
Kim. Tepk.Müh. - II, Lisans, 2014 - 2015  
FizikoKimya - I, Lisans, 2012 - 2013  
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Kim. Tepk.Müh. - I, Lisans, 2010 - 2011  
Kimya Mühendisliğinde Sayısal Yöntemler, Lisans, 2009 - 2010  
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FizikoKimya Lab., Lisans, 2010 - 2011  
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Temel Bilgisayar Bilimleri, Lisans, 2006 - 2007  
Temel Bilgisayar Teknolojileri Kullanımı, Lisans, 2007 - 2008

## Yönetilen Tezler

Ateş A., Li-S pilleri için bor katkılı fındıkkabuğu biyokömürlerinin üretimi ve karakterizasyonu, Yüksek Lisans, B.Aydemir(Öğrenci), Devam Ediyor  
Ateş A., Ham ve muamele edilmiş çay atıklarının adsorpsiyon özelliklerinin incelenmesi, Yüksek Lisans, Y.MERT(Öğrenci), 2019  
Ateş A., Oksit katalizörlerinin varlığında süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Yüksek Lisans, H.HATIPOĞLU(Öğrenci), 2019  
ATEŞ A., Zirkonyum oksit ile süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Yüksek Lisans, O.MERT(Öğrenci), 2017  
ATEŞ A., Süperkritik su atmosferinde formaldehitin katalitik gazlaştırılması, Yüksek Lisans, G.YAŞAR(Öğrenci), 2016  
ATEŞ A., İçme sularından mangan ve arsenik gideriminde doğal ve modifiye edilmiş zeolitlerin kullanımı, Yüksek Lisans, İ.ÖZKAN(Öğrenci), 2014

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Investigation of physicochemical and biological properties of boron-doped biochar**  
Ateş A., Aydemir B., Öksüz K. E.  
Biomass Conversion and Biorefinery, cilt.14, sa.20, ss.26355-26369, 2024 (SCI-Expanded)
- II. **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, cilt.21, sa.4, ss.1079-1088, 2024 (SCI-Expanded)
- III. **Investigation of physicochemical and chemical properties of biochar activated with carbonate, nitrate, and borohydride**  
ATEŞ A.  
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
- IV. **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, cilt.42, 2023 (SCI-Expanded)
- V. **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, cilt.152, 2023 (SCI-Expanded)
- VI. **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 Rhaiem A.  
New Journal of Chemistry, cilt.47, sa.45, ss.21107-21117, 2023 (SCI-Expanded)
- VII. **Preparation, Characterization, and Application of Metal Oxide-Doped Zeolitic Imidazolate Framework**  
Kümbetlioğlu F., OSKAY K. O., ÇIPLAK Z., ATEŞ A.  
ACS Omega, cilt.8, sa.30, ss.27650-27662, 2023 (SCI-Expanded)
- VIII. **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, cilt.34, sa.24, 2023 (SCI-Expanded)
- IX. **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, cilt.13, sa.10, ss.9075-9094, 2023 (SCI-Expanded)

- X. **Structural, dielectric and transport properties of Na<sub>x</sub>Fe<sub>1/2</sub>Mn<sub>1/2</sub>O<sub>2</sub> (x = 1 and 2/3)**  
Missaoui F, Trablsi K, Moufida K, Ateş A, Mahmoud A, Boschini F, Ben Rhaïem A.  
RSC Advances, cilt.13, sa.26, ss.17923-17934, 2023 (SCI-Expanded)
- XI. **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, cilt.13, sa.9, ss.7811-7826, 2023 (SCI-Expanded)
- XII. **Synthesis and characterization of molybdenum trioxide with an orthorhombic crystal structure for supercritical water gasification application**  
ATEŞ A., Hatipoğlu H.  
Journal of Molecular Structure, cilt.1275, 2023 (SCI-Expanded)
- XIII. **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), cilt.15, sa.3, 2023 (SCI-Expanded)
- XIV. **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, cilt.16, sa.1, 2023 (SCI-Expanded)
- XV. **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, cilt.6, sa.4, 2022 (SCI-Expanded)
- XVI. **Preparation and characterization of nanosized Fe<sub>3</sub>O<sub>4</sub>-biochar electrocatalysts with large surface area for H<sub>2</sub>O<sub>2</sub> sensing**  
ATEŞ A., OSKAY K. O.  
SURFACES AND INTERFACES, cilt.29, 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, cilt.31, sa.12, ss.4581-4593, 2021 (SCI-Expanded)
- XVIII. **Activity and stability of TiO<sub>2</sub> samples with different phase compositions in the decomposition of formaldehyde in SCW**  
Ateş A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.2, ss.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, cilt.13, sa.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, cilt.22, sa.6, ss.607-616, 2020 (SCI-Expanded)
- XXI. **The modification of aluminium content of natural zeolites with different composition**  
Ateş A.

- POWDER TECHNOLOGY, cilt.344, ss.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, cilt.523, ss.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, cilt.65, sa.3, ss.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, cilt.488, ss.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, cilt.287, ss.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, cilt.114, sa.2, ss.421-432, 2015 (SCI-Expanded)
- XXVII. **Role of modification of natural zeolite in removal of manganese from aqueous solutions**  
Ates A.  
POWDER TECHNOLOGY, cilt.264, ss.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, cilt.147, ss.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, cilt.4, sa.7, ss.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, cilt.85, sa.5, ss.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, cilt.441, ss.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, cilt.119, ss.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, cilt.372, ss.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, cilt.407, ss.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, cilt.76, ss.282-290, 2007 (SCI-Expanded)
- XXXVI. **Experimental techniques for investigating the surface oxygen formation in the N<sub>2</sub>O decomposition**

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Ates A., Reitzmann A.

CHEMICAL ENGINEERING JOURNAL, cilt.134, ss.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, cilt.97, ss.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, cilt.235, sa.1, ss.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, cilt.86, sa.1, ss.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, cilt.238, sa.2, ss.279-287, 2003 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

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

Ateş A., Yeniova H., Alibeyli R.

Journal of Polytechnic, cilt.3, sa.1, ss.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, cilt.7, sa.1, ss.1, 2019 (Hakemli Dergi)

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, cilt.11, sa.2, ss.105-117, 2017 (Hakemli Dergi)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

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

Rossi Z., Çalışkan Ş., ATEŞ A.

5. Bioenergy Studies Symposium, Türkiye, 17 Ocak 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, Türkiye, 17 - 18 Ocak 2024

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

ATEŞ A.

3 rd International Conference on Scientific and Academic Research, Konya, Türkiye, 25 Aralık 2023, cilt.1, ss.680-689

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

ATEŞ A.

INTERNATIONAL CONGRESS ON ADVANCED RESEARCH AND APPLICATIONS, Sivas, Türkiye, 01 Aralık 2023, cilt.1, ss.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

Eylül 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, Türkiye, 09 Temmuz 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, Belçika, 31 Ekim - 02 Kasım 2022, ss.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, Tunus, 21 Ekim 2022, ss.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, Tunus, 21 - 23 Ekim 2022, ss.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, Türkiye, 5 - 07 Ekim 2022, cilt.1, ss.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, Türkiye, 23 - 25 Haziran 2022, ss.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 Haziran 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, Türkiye, 23 - 25 Haziran 2022, cilt.1, ss.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, Türkiye, 15 Aralık 2021, cilt.3, ss.9-16
- XV. **FINDIKKABUĞU BİYOKÖMÜRÜNÜN YÜZEY ÖZELLİKLERİNİN MODİFİKASYONU**  
ATEŞ A.  
INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Türkiye, 15 Aralık 2021, cilt.3, ss.17-29
- XVI. **Preparation and Characterization of Boron- Doped Nutshell Biochar for Li-S Battery**  
Aydemir B., ATEŞ A.  
3rd Bioenergy Studies Symposium, Samsun, Türkiye, 20 - 21 Mayıs 2021, cilt.1, ss.58
- XVII. **Modification of Pore and Surface Characteristics of Biochar Produced from Raw Tea Waste**  
Ateş A.  
3rd Bioenergy Studies Symposium, Samsun, Türkiye, 20 Mayıs 2021, ss.54
- XVIII. **Ceviz kabuğu biyokömürünün sulu çözeltilerden arsenik gideriminde kullanımı**  
ATEŞ A.  
2. International Conference on Technology and Science, 14 - 16 Kasım 2019, cilt.2, ss.537-544
- XIX. **Sulu çözeltilerden arsenik gideriminde fındikkabuğu biyokömürünün kullanımı**  
ATEŞ A.

2. International Conference on Technology and Science, 14 - 16 Kasım 2019, cilt.1, ss.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 Kasım 2019, cilt.2, ss.1046-1053
- XXI. **Synthesis and characterisation of ZnO particules**  
ATEŞ A.  
4th International Energy Engineering Congress, Gaziantep, Türkiye, 24 - 25 Ekim 2019, cilt.1, ss.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, Türkiye, 24 - 25 Ekim 2019, cilt.2, ss.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, Türkiye, 27 - 29 Haziran 2019, cilt.1, ss.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, Türkiye, 27 - 29 Haziran 2019, cilt.1, ss.467-475
- XXV. **OXIDATIVE DEHYDROGENATION OF N-BUTANE OVER Fe-ZSM-5 ZEOLITES**  
ATEŞ A.  
I. ANADOLU ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Diyarbakır, Türkiye, 28 - 29 Aralık 2018, ss.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, Türkiye, 28 - 29 Aralık 2018, ss.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, Türkiye, 28 - 29 Aralık 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 Kasım 2018, ss.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 Kasım 2018, ss.54-55
- XXX. **Production and characterization of Biochar from Fruit and vegetable wastes**  
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- XXXI. **Preparation and characterization of zinc oxide catalyst for gasification of glucose in supercritical water**  
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1. International Balkan Chemistry Congress, Edirne, Türkiye, 17 - 20 Eylül 2018, ss.120
- XXXII. **Influence of iron content and treatment conditions on the oxidative dehydrogenation of propane over zsm-5 zeolites with low iron content**  
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- 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.  
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- 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 Nisan 2018
- XXXV. **The influence of aluminum content of natural zeolites on their adsorption characteristics**  
ATEŞ A.  
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- XXXVI. **Gasification of formaldehyde into hydrogen and methane on zinc oxide catalyst in supercritical water**  
ATEŞ A., Hatipoğlu H.  
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- XXXVII. **Synthesis and characterisation of molybdenum oxide for gasification of formaldehyde in supercritical water**  
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- XXXIX. **Modification and characterization of tea waste for removal of dyes from solutions**  
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- XL. **Gasification of formaldehyde into hydrogen and methane on zirconium oxide catalyst in supercritical water**  
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- XLII. **Activity and stability of TiO<sub>2</sub> catalysts in catalytic decomposition of formaldehyde in supercritical water**  
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- XLIII. **Demir Yüklendi Hibrid Silika Kullanarak Sudan Arseniğin Seçimli Giderimi**  
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- XLV. **Synthesis and Characterization of Manganese Oxide Nanoparticles for Decomposition of Formaldehyde in Supercritical Water**  
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- XLVI. **DEMİR YÜKLENMİŞ DOĞAL ZEOLİTLER İLE SULU ÇÖZELTİLERDEN ARSENİK GİDERİMİ**  
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- 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 Şubat 2016
- XLVIII. **IMPORTANCE OF NATURAL ZEOLITE COMPOSITION IN MANGANESE TREATMENT FOR DRINKING**

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ATEŞ A., ÇELEBİ A.

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**XLIX. The synthesis and characterization of sol gel TiO<sub>2</sub> for decomposition of formaldehyde in SCW**

YAŞAR G., ATEŞ A.

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**L. Using natural and modified zeolites for removal of manganese and arsenic in drinking water**

ATEŞ A., ÖZKAN İ.

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**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.

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**LII. The use of natural and modified sepiolite for removal of arsenic in drinking water**

ATEŞ A.

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**LIII. The Oxidative Dehydrogenation Of Propane With Nitrous Oxide Over Iron Containing Zsm-5 Zeolites**

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44th World Chemistry Congress, 11 - 16 Ağustos 2013

**LIV. Supercritical water desulfurization of model sulfur compounds**

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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Kapsamındaki Dergi, Mayıs 2021

ARABIAN JOURNAL OF CHEMISTRY, SCI Kapsamındaki Dergi, Mayıs 2021

Cleaner Engineering and Technology, Diğer İndekslerce Taranan Dergi, Nisan 2021

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Kapsamındaki Dergi, Nisan 2021

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INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Kapsamındaki Dergi, Mart 2020

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## **Metrikler**

Yayın: 100

Atf (WoS): 471

Atf (Scopus): 677

H-İndeks (WoS): 11

H-İndeks (Scopus): 14

## **Akademi Dışı Deneyim**

MİLLİ EĞİTİM BAKANLIĞI