

## Assoc. Prof. Tuba Erşen Dudu

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Van Yüzüncü Yıl University, Mühendislik/Fen Bilimleri/, Kimya Mühendisliği, Turkey 2011 - 2018

Postgraduate, Firat University, Mühendislik/Fen Bilimleri/, Kimya Mühendisliği, Turkey 2008 - 2011

Undergraduate, Firat University, Faculty Of Engineering, Kimya Mühendisliği, Turkey 2003 - 2007

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Micromeritics Marka Accupyc 1340 Model Helyum Piknometresi, Terralab, 2018  
Education Management and Planning, Micromeritics Marka Nanoplus DLS Model Nabnopartikül ve Zeta Potansiyel Analiz Cihazı, Terralab, 2018

Education Management and Planning, İş Sağlığı ve Güvenliği Eğitimi, Van Yüzüncü Yıl Üniversitesi, 2018

Education Management and Planning, Birlikçilik Temel Eğitimi, TMMOB Kimya Mühendisleri Odası, 2017

Education Management and Planning, Thermo Scientific Marka HPLC, AAS, ICP-MS, ICP-OES, CHN-S, GC-MS, GC, IR-MS, POP-UV, IC, ASE350, LC-MS, FTIR, Redoks Lab, 2017

Education Management and Planning, Triton DMA Kullanıcı Eğitimi, Mettler Toledo, 2016

Education Management and Planning, Agilent HPLC Cihazı, SEM, 2016

Education Management and Planning, TS EN ISO/IEC 17025 Kapsamında Ölçüm Belirsizliği Eğitimi, Van Yüzüncü Yıl Üniversitesi/ Bilim Uygulama ve Araştırma Merkezi, 2015

Education Management and Planning, TS EN ISO/IEC 17025 İç Tetkik Eğitimi, Van Yüzüncü Yıl Üniversitesi/ Bilim Uygulama ve Araştırma Merkezi, 2015

Education Management and Planning, TS EN ISO/IEC 17025 Kapsamında Uygulamalı Laboratuvar İstatistiği ve Metod Validasyonu Eğitimi, Van Yüzüncü Yıl Üniversitesi/ Bilim Uygulama ve Araştırma Merkezi, 2015

Education Management and Planning, TS EN ISO 17025 Temel ve Dokümantasyon Eğitimi, Van Yüzüncü Yıl Üniversitesi/ Bilim Uygulama ve Araştırma Merkezi, 2015

Education Management and Planning, Micromeritics Marka Tristar 3020 model Yüzey Alanı Cihazı, Terralab, 2015

Education Management and Planning, TS EN ISO/IEC 17025 Kapsamında Uygulamalı Laboratuvar İstatistiği ve Metod Validasyonu Eğitimi, TMMOB Kimya Mühendisleri Odası, 2014

Education Management and Planning, TS EN ISO/IEC 17025 Standardı Kapsamında Laboratuvar Akreditasyonu ve Laboratuvarda Doğru Sonuçlar Üretmenin Yolları, TMMOB Kimya Mühendisleri Odası, 2014

Education Management and Planning, TS EN ISO 17025 Temel ve Dokümantasyon Eğitimi, TMMOB Kimya Mühendisleri Odası, 2014

Education Management and Planning, Model Labsys Evo TG/DSC/DTA , DSC 131 Evo DSC, Setaram Instrumentation Kep Technologies, 2014

## Dissertations

Doctorate, TARIMSAL UYGULAMALARDA KULLANILMASI AMACIYLA KOMPOZİT HİDROJEL MALZEMELERİN HAZIRLANMASI, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği / Kimya Mühendisliği , 2018  
Postgraduate, Odun-polietilen karışımlarından dumansız yakıt üretimi , Fırat University, Mühendislik Fakültesi, Kimya Mühendisliği, 2011

## Research Areas

Chemical Engineering and Technology, Chemical Technologies, Process and Reactor Design, Chemical Reaction Engineering, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2023 - Continues  
Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2019 - 2021  
Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2010 - 2019

## Academic and Administrative Experience

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

- I. **The efficiency of cationic-based hydrogels in heavy metal removal from wastewater**  
Bakyt B., Dudu T. E., Kalipa S., Alpaslan D.  
Polymer Bulletin, vol.81, no.8, pp.7273-7293, 2024 (SCI-Expanded)
- II. **One-Step Electrochemical Sensing of CA-125 Using Onion Oil-Based Novel Organohydrogels as the Matrices**  
Er O. F., DEMİR KIVRAK H., Alpaslan D., Dudu T. E.  
ACS Omega, vol.9, no.16, pp.17919-17930, 2024 (SCI-Expanded)
- III. **p(thyme oil) and p(clove oil) organo-particles with biocompatible, anticancer, antioxidant, and antibacterial properties against Capan-1 and L-929 cells**  
Alpaslan D., Erşen Dudu T., Moran Bozer B., Aktaş N., Turk M.  
Canadian Journal of Chemical Engineering, vol.102, no.1, pp.76-87, 2024 (SCI-Expanded)
- IV. **Characterization of p(PmO), p(LO) and p(RO) organoparticles, their bioactivity properties and their effect on pancreatic cancer Capan-1 cell**  
Alpaslan D., Turan A., Erşen Dudu T., Moran Bozer B., Aktaş N., Turk M.  
Materials Chemistry and Physics, vol.305, 2023 (SCI-Expanded)
- V. **Green Energy Source H<sub>2</sub> Production from NaBH<sub>4</sub> Hydrolysis Using p(Oxalic Acid) Based Non-metallic Catalyst**  
Dudu T. E., Şeker E. Ö.  
Journal of Polymers and the Environment, vol.31, no.8, pp.3445-3453, 2023 (SCI-Expanded)
- VI. **A novel carbohydrate antigen 125 electrochemical sensor based on sweet almond oil organo-**

## hydrogels

Er O. F., Alpaslan D., Dudu T. E., Aktas N., Çelik S., DEMİR KIVRAK H.  
Materials Chemistry and Physics, vol.298, 2023 (SCI-Expanded)

- VII. **Synthesis of Poly(ginger oil) Organo Particles as a Metal Free Catalysis and Their Use in Hydrogen Production from Sodium Borohydride Methanolysis**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.31, no.3, pp.1191-1201, 2023 (SCI-Expanded)
- VIII. **Development of onion oil-based organo-hydrogel for drug delivery material**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.44, no.5, pp.750-762, 2023 (SCI-Expanded)
- IX. **Novel dimethylacrylamide/gelatin/rosehip based smart hydrogels as a color sensor in food packaging materials**  
Erşen Dudu T.  
Asia-Pacific Journal of Chemical Engineering, vol.18, no.1, 2023 (SCI-Expanded)
- X. **Synthesis of controlled release hydrogels from dimethylacrylamide/maleic acid/starch and its application in lettuce cultivation**  
Dudu T. E., Alpaslan D., Aktaş N.  
Journal of Polymer Research, vol.29, no.12, 2022 (SCI-Expanded)
- XI. **Novel Cacao oil-based organo-hydrogels to detect carcinoma antigen 125 in serum medium; synthesis, characterization, and electrochemical measurements**  
Er O. F., Alpaslan D., Erşen Dudu T., Aktas N., DEMİR KIVRAK H.  
MATERIALS CHEMISTRY AND PHYSICS, vol.292, 2022 (SCI-Expanded)
- XII. **Hydrogen Production from Methanolysis of Sodium Borohydride by Non-metal p(CO) Organo-particles Synthesized from Castor Oil**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.11, pp.4562-4570, 2022 (SCI-Expanded)
- XIII. **Superabsorbent hydrogels based on N,N-dimethylacrylamide and maleic acid for applications in agriculture as water purifier and nitrogen carrier**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
POLYMER BULLETIN, vol.79, no.10, pp.8551-8573, 2022 (SCI-Expanded)
- XIV. **Quantum size effect of cadmium-doped titanium dioxide photocatalysts towards methylene blue degradation and electrooxidation**  
Kivrak H., Saleh D., Alpaslan D., Caglar A., Selcuk K., Dudu T., Aktas N.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.10, pp.9507-9518, 2022 (SCI-Expanded)
- XV. **Non-Metal Polymeric Bioparticles Based on Maleic Acid/Citric Acid as a Catalyst for H<sub>2</sub> Generation from NaBH<sub>4</sub>**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.9, pp.3656-3664, 2022 (SCI-Expanded)
- XVI. **Evaluation of poly(agar-co-glycerol-co-castor oil) organo-hydrogel as a controlled release system carrier support material**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
POLYMER BULLETIN, vol.79, no.8, pp.5901-5922, 2022 (SCI-Expanded)
- XVII. **Agar and Sesame Oil Based Organo-Hydrogels as a Pharmaceutical Excipient in Paracetamol/Carboplatin Release Systems**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.84, no.2, pp.358-368, 2022 (SCI-Expanded)
- XVIII. **Polymeric Organo-Hydrogels: Novel Biomaterials for Medical, Pharmaceutical, and Drug Delivery Platforms**  
Aktas N., Alpaslan D., Erşen Dudu T.  
FRONTIERS IN MATERIALS, vol.9, 2022 (SCI-Expanded)

- XIX. **Use of Coconut Oil-Based Organo-Hydrogels in Pharmaceutical Applications**  
Alpaslan D., Olak T., Turan A., Erşen Dudu T., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.2, pp.666-680, 2022 (SCI-Expanded)
- XX. **Application of Poly (Agar-Co-Glycerol-Co-Sweet Almond Oil) Based Organo-Hydrogels as a Drug Delivery Material**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.2, pp.483-493, 2022 (SCI-Expanded)
- XXI. **Highly Active RuPd Bimetallic Catalysts for Sodium Borohydride Electrooxidation and Hydrolysis**  
KAYA Ş., Yilmaz Y., Er O. F., Alpaslan D., Ulaş B., Erşen Dudu T., DEMİR KIVRAK H.  
JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.1, pp.403-411, 2022 (SCI-Expanded)
- XXII. **Synthesis and characterization of biocompatible poly(maleic acid-co-citric acid) microparticles as a smart carrier for thiamine**  
Alpaslan D., Erşen Dudu T., Kubilay Ş., Aktaş N.  
POLYMER BULLETIN, vol.78, no.11, pp.6305-6320, 2021 (SCI-Expanded)
- XXIII. **Development of Urea Uptake and Release Studies Using N, N-Dimethylacrylamide/Maleic Acid/Citric Acid Based Macrogel**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.29, no.11, pp.3636-3648, 2021 (SCI-Expanded)
- XXIV. **A garlic oil-based organo-hydrogel for use in pH-sensitive drug release**  
Alpaslan D., Olak T., Turan A., Erşen Dudu T., Aktaş N.  
CHEMICAL PAPERS, vol.75, no.11, pp.5759-5772, 2021 (SCI-Expanded)
- XXV. **Disentangling the enhanced catalytic activity on Ga modified Ru surfaces for sodium borohydride electrooxidation**  
Ulaş B., Alpaslan D., Yilmaz Y., Erşen Dudu T., Er O. F., DEMİR KIVRAK H.  
SURFACES AND INTERFACES, vol.23, 2021 (SCI-Expanded)
- XXVI. **Synthesis of Smart Food Packaging from Poly (Gelatin-co-Dimethyl Acrylamide) / Citric Acid-Red Apple peel Extract**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
SOFT MATERIALS, vol.19, no.1, pp.64-77, 2021 (SCI-Expanded)
- XXVII. **Synthesis and characterization of novel organo-hydrogel based agar, glycerol and peppermint oil as a natural drug carrier/release material**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.118, 2021 (SCI-Expanded)
- XXVIII. **Developing poly(Agar-co-Glycerol-co-Thyme Oil) based organo-hydrogels for the controlled drug release applications**  
Olak T., Turan A., Alpaslan D., Erşen Dudu T., Aktaş N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.60, 2020 (SCI-Expanded)
- XXIX. **Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material**  
Alpaslan D., Dudu T., ŞAHİNER N., Aktasa N.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.108, 2020 (SCI-Expanded)
- XXX. **Urea Uptake and Release by Novel Macrogels from Dimethylacrylamide**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, 2019 (SCI-Expanded)
- XXXI. **Utilization of Hydrogel-Fungus Composites as Absorbents for Removal of Textile Dyes from Aqueous Media**  
Erşen Dudu T., Alpaslan D., Uzun Y., Aktaş N.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.11, pp.557-568, 2017 (SCI-Expanded)
- XXXII. **Environmental usage of poly(2-acrylamido-2-methyl-1-propanesulfonic acid sodium salt -co-3-**

- acrlylamidopropil-trimethyl ammonium chloride)-Lentinus tigrinus (Bull.) Fr. composite hydrogel**  
Alpaslan D., Erşen Dudu T., Kubilay Ş., Uzun Y., Savran A., Aktaş N.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.252, 2016 (SCI-Expanded)
- XXXIII. **Optimization with response surface methodology of toluidine blue biosorption conditions from aqueous solutions by Polyporus squamosus (Huds.) Fr. and Lentinus tigrinus (Bull.) Fr. fungi as biosorbent**  
Alpaslan D., Erşen Dudu T., Kubilay Ş., Uzun Y., Kul A. R., Aktaş N.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.252, 2016 (SCI-Expanded)
- XXXIV. **Removal of As(V), Cr(III) and Cr(VI) from aqueous environments by poly(acrylonitril-co-acrylamidopropyl-trimethyl ammonium chloride)-based hydrogels**  
DUDU T. E., Sahiner M., Alpaslan D., Demirci S., Aktaş N.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.161, pp.243-251, 2015 (SCI-Expanded)
- XXXV. **Uptake of As(V) and Cr(VI) from aqueous environment by cationic poly(Acrylonitril-co-3-Acrylamidopropyl)trimethylammonium chloride) hydrogels**  
Erşen Dudu T., Alpaslan D., Şahan T., Aktaş N., Şahiner N.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.245, pp.379, 2013 (SCI-Expanded)
- XXXVI. **CO-PYROLYSIS OF HIGH-DENSITY POLYETHYLENE AND WOOD MIXTURES**  
Ersen T., Pehlivan D.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.607-612, 2011 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Novel CA-125 antigen determination in serum by electrochemical methods with onion oil-containing organo-hydrogels**  
ER Ö. F., ALPASLAN D., DUDU T. E., KIVRAK H.  
Manas Journal of Engineering, vol.11, no.1, pp.124-135, 2023 (Peer-Reviewed Journal)
- II. **The preparation, characterization, and electrooxidation of colloidal palladium modified poly(methacrylic acid) hydrogel as formic acid fuel cell anode catalyst**  
Kivrak H., Khalid S., Caglar A., Alpaslan D., Selcuk K., Dudu T., Aktaş N.  
ENERGY STORAGE, vol.4, no.1, 2022 (ESCI)
- III. **Removal of as(V), Cr(VI) and Cr(III) heavy metal ions from environmental waters using amidoxime and quaternized hydrogels**  
Alpaslan D., Erşen Dudu T.  
MANAS Journal of Engineering, vol.9, no.2, pp.104-114, 2021 (Peer-Reviewed Journal)
- IV. **Removal of anionic phenol red from water solution in the batch system by using N,N-dimethylacrylamide and 3-acrylamidopropyl-trimethyl ammonium chloride-based polymeric hydrogels**  
Erşen Dudu T.  
MANAS Journal of Engineering, vol.8, no.2, pp.99-105, 2020 (Peer-Reviewed Journal)
- V. **Synthesis, Characterization and Modification of Novel Food Packaging Material from Dimethyl acrylamide/Gelatin and Purple Cabbage Extract**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
Manas Journal of Engineering (MJEN), vol.6, no.2, pp.15-33, 2018 (Peer-Reviewed Journal)
- VI. **SENTETİK GÜBRE YÜKLEME VE SALIM İÇİN HİDROJEL-KİL KOMPOZİTLERİ**  
DEMIRCI S., Alpaslan D., Erşen Dudu T., Aktaş N., Öztürk Ö. F., Şahiner N.  
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.1, no.1, pp.39-64, 2015 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Titrimetrik Analiz, Gravimetrik Analiz, Tampon çözeltiler**  
Yardıı Y., Keskin E., Aydın F., Subak H., Erşen Dudu T.  
in: Kantitatif Analiz Laboratuvar Uygulamaları, Yardıı Y., Keskin E. , Editor, Yüzüncü Yıl Üniversitesi, Van, pp.15-53, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation Of The Usability Of Rose Extract-Based Hydrogels As Smart Packaging Materials**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
International Congress on Scientific Advances (ICONSAD'21), Balıkesir, Turkey, 22 - 25 December 2021, pp.1154
- II. **Organo-hydrogels prepared from herbal oils as drug release materials and their release kinetics**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021) , Ankara, Turkey, 24 - 26 November 2021, pp.269
- III. **Synthesize and Modification of Poly(Dimethylacrylamide)/HCl for Controlled Release of Urea**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
III. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 - 15 June 2021, pp.128
- IV. **Application of poly(Dimethylacrylamide-co-Maleic Acid)/HCl hydrogel in controlled urea release**  
Turan A., Erşen Dudu T., Alpaslan D., Aktaş N.  
III. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 - 15 June 2021, pp.129
- V. **Swelling and Urea Sorption Behavior of Cross-Linked p(N,N- Dimethylacrylamide-co-Starch)/NaOH-Based Hydrogels**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
III. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 - 15 June 2021, pp.127
- VI. **Preparation and Characterization of N,N-Dimethylacrylamide, and Starch-Based Hydrogels, and Evaluation of Sorption Studies**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
III. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 14 - 15 June 2021, pp.126
- VII. **Hydrogen Production from NaBH<sub>4</sub> on CNT Supported Ru, Cr, Sn, Mn, Cd,Bi, Nd, Nb, Pt, Hf, Ag Catalysts**  
Demir Kivrak H., Caglar A., Er O. F., Erşen Dudu T., Alpaslan D., Aktaş N.  
International Engineering an Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.602-605
- VIII. **THE PREPARATION AND SWELLING PROPERTIES OF HYDROGEL BASED P(DMAAM-CO-STARCH) AND ITS APPLICATION FOR NITROGEN ADSORPTION**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
5TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Prague, Czech Republic, 12 - 16 June 2019, pp.1
- IX. **Novel Soil Conditioner and Nutrient Carrier from Hydrogels for Agricultural Purposes**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
5th International Conference on Engineering and Natural Sciences (ICENS 2019), Prague, Czech Republic, 12 - 16 June 2019, pp.99
- X. **Environment-Friendly Hydrogels for Urea Absorption and Desorption**  
Alpaslan D., Erşen Dudu T., Gültekin S., Aktaş N.  
5th International Conference on Engineering and Natural Sciences (ICENS 2019), Prague, Czech Republic, 12 - 16 June 2019, pp.62
- XI. **p(DMAAm) Hidrojelin Sentezi, Karakterizasyonu ve Sülfat İyonu Absorpsiyonu**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7696

- XII. **Modifiye Edilmiş p(DMAAm)/HCl Hidrojeli ile Çevresel Sulardan Sülfat İyonu Absorpsiyonu**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
13. Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018, pp.7697
- XIII. **Absorption of Urea by Novel Biocompatible Hydrogel (p(DMAAmco-Agar))**  
Alpaslan D., Erşen Dudu T., Aktaş N., Savran A.  
ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, vol.1, pp.1
- XIV. **Synthesis, Characterization and Agricultural Application of Modified p(DMAAm-co-Agar)-HCL Biocompatible Hydrogel**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, vol.1, pp.1-2
- XV. **Environmentally Friendly Biocompatible Hydrogels for Water Conservation and Urea Absorption in Agricultural Lands**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, vol.1, pp.1
- XVI. **The Preparation of Modified Biocompatible Hydrogel for Urea Fertilizer Recovery from Aqueous Environments**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, vol.1, pp.1
- XVII. **Synthesis, Characterization and Agricultural Application of Modified P(DMAAm-co-MA-co-CA)-NaOH Superabsorbent Hydrogel**  
Erşen Dudu T., Alpaslan D., Şahan T., Aktaş N.  
The Eurasian Agriculture and Natural Sciences Congress, Bişkek, Kyrgyzstan, 20 - 23 September 2017, pp.108
- XVIII. **Recovery of Nitrogen from Treated Wastewater Using Superabsorbent Hydrogel**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.125
- XIX. **Synthesis of Modified Superabsorbent Hydrogel and Their Environmental Applications**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.126
- XX. **Synthesis, Characterization and Possible Agricultural application of P Hydrogel**  
Erşen Dudu T., Alpaslan D., Erdoğan F., Aktaş N.  
, III International Conference on Engineering and natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.1
- XXI. **Optimization With Response Surface Methodology Of Toluidine Blue Biosorption Conditions From Aqueous Solutions By Polyporus Squamosus (Huds.) Fr. Fungus As Biosorbent**  
Erşen Dudu T., Alpaslan D., İşleyen Ş., Aktaş N.  
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.653
- XXII. **Absorption Of Toluidine Blue And Alizarin Red S Dyes By Poly(2- Acrylamido-2-Methyl-1-Propansulfonic Acid Sodium Salt-Co-3- Acrylamidopropil-Trimethyl Ammonium Chloride)- Lentinus Tigrinus (Bull.) Fr. Composite Hydrogel**  
Alpaslan D., Erşen Dudu T., Kubilay Ş., Savran A.  
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.537
- XXIII. **Environmental Usage Of P(Amps-Co-Aptmacl)-Lentinus Tigrinus (Bull.) Fr. Bio-Composite Hydrogel**  
Alpaslan D., Erşen Dudu T., Kul A. R., Aktaş N.  
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.598
- XXIV. **Synthesis, Characterization And Possible Agricultural Application Of P(DMAAM-Co-Ca) Hydrogel**  
Erşen Dudu T., Alpaslan D., Erdoğan F., Aktaş N.  
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.438
- XXV. **Environmentally Friendly Superabsorbent Polymers And Their Application For Environmental Purposes**  
Erşen Dudu T., Alpaslan D., Kazankaya A., Aktaş N.

- 3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.599
- XXVI. **Synthesis, Characterization And Agricultural Application Of Modified P(Dmaam)-Naoh Hydrogel**  
Alpaslan D., Erşen Dudu T., Uzun Y., Aktaş N.  
3rd International Conference on Engineering and Natural Sciences, Budapeşte, Hungary, 3 - 07 May 2017, pp.693
- XXVII. **Polimer Esaslı Hidrojellerin Sentezi, Karakterizasyonu ve Sulu Çözeltilerden Azotlu Bileşiklerin Giderilmesi**  
Alpaslan D., Erşen Dudu T., Şahiner N., Aktaş N.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK 2016), İzmir, Turkey, 23 - 26 August 2016, pp.1
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## Metrics

Publication: 97

Citation (WoS): 149

Citation (Scopus): 350

H-Index (WoS): 7

H-Index (Scopus): 12