

## Asst. Prof. Duygu Alpaslan

### Personal Information

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### Education Information

Doctorate, Van Yüzüncü Yil University, Kimya /Fen Bilimleri, Kimya, Turkey 2008 - 2014

Post Graduate, Van Yüzüncü Yil University, Ziraat Fakültesi/ Fen Bilimleri/, Gıda Mühendisliği, Turkey 2002 - 2006

Under Graduate, Van Yüzüncü Yil University, Ziraat Fakültesi/ Fen Bilimleri/, Gıda Mühendisliği, Turkey 1995 - 1999

### Certificates, Courses and Trainings

Education Management and Planning, Micromeritics Accupyc 1340 Helyum Piknometresi, Van Yüzüncü Yil Üniversitesi/Bilim Uygulama Araştırma merkezi, 2018

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, Van Yüzüncü Yil Üniversitesi/Bilim Uygulama Araştırma merkezi, 2018

Education Management and Planning, Micromeritics Marka Nanoplus DLS Model Nabnopartikül ve Zeta Potansiyel Analiz Cihazı, Terralab,, Van Yüzüncü Yil Üniversitesi/Bilim Uygulama Araştırma merkezi, 2018

Occupational Health and Safety, İş Sağlığı ve Güvenliği Eğitimi, Van Yüzüncü Yil Üniversitesi, 2017

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

Education Management and Planning, Triton DMA Kullanıcı Eğitimi, Van Yüzüncü Yil Üniversitesi/Bilim Uygulama Araştırma merkezi, 2015

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

### Dissertations

Doctorate, Hidrojel ve kompozitlerin sentezi, karakterizasyonu ve bazı radyonükleitlerin sulu ortamdan kazanımı, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya , 2014

Post Graduate, Van otlı peynirinde kullanılan sirmo (*Allium atroviolaceum* Boiss.), siyabo (*Ferula rigidula* Dc.) ve mendi (*Chaerophyllum crinitum* Boiss.) bitkilerinin bazı patojen bakteriler üzerine antimikrobiyal etkisi, Van Yüzüncü Yil University, İraat Fakültesi/G, Gıda Mühendisliği Bölümü/Gıda Bilimi Ve Teknolojisi Anabilim Dalı/, 2004

### Research Areas

Chemical Engineering and Technology, Biotechnology, Biomedical Engineering, Bioprocess Separation Processes, Basic Operations and Thermodynamics, Separation Operations, Food Engineering, Food Science, Food Microbiology, Food Technology, Food Biotechnology, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2021 - Continues  
Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2018 - 2021  
Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2015 - 2018

## Academic and Administrative Experience

### Courses

Yeni Ayırma Teknikleri, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018  
Kimya Müh. Tasarım II, Under Graduate, 2015 - 2016, 2017 - 2018  
Bilgisayara Giriş, Under Graduate, 2015 - 2016, 2016 - 2017  
Kimya Müh. Tasarım I, Under Graduate, 2015 - 2016  
Dondurma Teknolojisi , Associate Degree, 2009 - 2010  
Süt makine. Bakım ve Onarımı , Associate Degree, 2009 - 2010  
Süt Kimyası ve Biyokimyası , Associate Degree, 2009 - 2010  
Süt Hij. ve Mikrobiyolojisi , Associate Degree, 2009 - 2010  
Tahıl Teknolojisi , Associate Degree, 2009 - 2010  
Gıda Katkı Maddeleri , Under Graduate, 2009 - 2010  
Özel Gıdalar Teknolojisi , Associate Degree, 2009 - 2010  
Süt İşlet. Mesleki Uyg, Associate Degree, 2009 - 2010  
Meyve-Sebze Teknolojisi , Associate Degree, 2009 - 2010  
Yağ Teknolojisi , Associate Degree, 2009 - 2010

### Jury Memberships

Post Graduate, Tez Savunması Sınav Jürisi, Van Yüzüncü Yil Üniversitesi, July, 2017  
Post Graduate, Tez Savunması Sınav Jürisi, Van Yüzüncü Yil Üniversitesi, June, 2017

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

- I. **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, 2021 (Journal Indexed in SCI)
- II. **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, 2021 (Journal Indexed in SCI)
- III. **Evaluation of poly(agarcoglycerolco-castor oil) organo-hydrogel as a controlled release system carrier support material**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
POLYMER BULLETIN, 2021 (Journal Indexed in SCI)
- IV. **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, 2021 (Journal Indexed in SCI)
- V. **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, 2021 (Journal Indexed in SCI)

- VI. **Disentangling the enhanced catalytic activity on Ga modified Ru surfaces for sodium borohydride electrooxidation**  
Ulaş B., Alpaslan D., Yılmaz Y., Erşen Dudu T., Er O. F. , DEMİR KIVRAK H.  
SURFACES AND INTERFACES, vol.23, 2021 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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, 2020 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)
- XII. **Use of colorimetric hydrogel as an indicator for food packaging applications**  
Alpaslan D.  
BULLETIN OF MATERIALS SCIENCE, vol.42, no.5, 2019 (Journal Indexed in SCI)
- XIII. **Urea Uptake and Release by Novel Macrogels from Dimethylacrylamide**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, 2019 (Journal Indexed in SCI)
- XIV. **3-Acrylamidopropyl-trimethylammoniumchloride cationic hydrogel modified graphite electrode and its superior sensitivity to hydrogen peroxide**  
Çağlar A., KAZIÇI H. Ç. , Alpaslan D., Yılmaz Y., Kivrak H., Aktaş N.  
Fullerenes Nanotubes and Carbon Nanostructures, vol.27, no.9, pp.736-745, 2019 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **Chemical composition, antimicrobial, antioxidant and anthocyanin activities of mosses (Cinclidotus fontinaloides (Hedw.) P.Beauv. and Palustriella commutata (Hedw.) Ochyra) gathered from Turkey**  
Yayintas O. T. , Alpaslan D., Yuceer Y. K. , Yılmaz S., ŞAHİNER N.  
NATURAL PRODUCT RESEARCH, vol.31, no.18, pp.2169-2173, 2017 (Journal Indexed in SCI)
- XVII. **Milk hydrogels as nutrient media and survival rate enhancer under cryogenic conditions for different microorganisms**  
Alpaslan D., Sahiner M., YÜCEER Y., AKÇALI A., Aktaş N., ŞAHİNER N.  
POLYMER BULLETIN, vol.73, no.12, pp.3351-3370, 2016 (Journal Indexed in SCI)

- XVIII. **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 (Journal Indexed in SCI)
- XIX. **Environmental usage of poly(2-acrylamido-2-methyl-1-propansulfonic acid sodium salt -co-3-acrylamidopropyl-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 (Journal Indexed in SCI)
- XX. **Quantitative Clinical Diagnostic Analysis of Acetone in Human Blood by HPLC: A Metabolomic Search for Acetone as Indicator**  
AKGÜL KALKAN E., Sahiner M., ÜLKER ÇAKIR D., Alpaslan D., Yılmaz S.  
JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY, 2016 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)
- XXII. **Collagen-based hydrogel films as drug-delivery devices with antimicrobial properties**  
Sahiner M., Alpaslan D., BİTLİSLİ B. O.  
POLYMER BULLETIN, vol.71, no.11, pp.3017-3033, 2014 (Journal Indexed in SCI)
- XXIII. **Metal-Ion-Containing Ionic Liquid Hydrogels and Their Application to Hydrogen Production**  
ŞAHİNER N., Alpaslan D.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.9, 2014 (Journal Indexed in SCI)
- XXIV. **Biochar-Embedded Soft Hydrogel and Their Use in Ag Nanoparticle Preparation and Reduction of 4-Nitro Phenol**  
ŞAHİNER N., Karakoyun N., Alpaslan D., Aktaş N.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.62, no.11, pp.590-595, 2013 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **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 (International Refereed University Journal)
- II. **Investigation of Thermal Behaviors of Poly(3-Chloro-2-Hydroxypropyl Methacrylate) modified with Amine-Rich Groups**  
Alpaslan D.  
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.46, no.4, pp.609-627, 2018 (International Refereed University Journal)
- III. **Van Gölü Suyunun İyon Karakterizasyonu ile Su Kalitesinin Belirlenmesi**  
Yiğit A., Turhan Irak Z., Öztürk D., Öztürk E., Alpaslan D., Şahan T., Aktaş N.  
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi/Iğdır University Journal of the Institute of Science and Technology, vol.7, no.4, pp.169-179, 2017 (International Refereed University Journal)
- IV. **SENTETİK GÜBRE YÜKLEME VE SALIM İÇİN HİDROJEL-KİL KOMPOZİTLERİ**  
DEMİRCİ 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  
(National Refreed University Journal)

V. **The Preparation of p(acrylonitrile-co-acrylamide) hydrogels for uranyl ion recovery from aqueous environments**

Alpaslan D., Aktaş N., Yılmaz S., Şahiner N., Güven O.

HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.42, no.1, pp.89-97, 2014 (Journal Indexed in ESCI)

VI. **Preparation of collagen based composite materials with synthetic polymers for potential wound dressing applications**

Şahiner M., Bütün S., Alpaslan D., BITLİSLİ B. O.

Hacettepe J Biol Chem, vol.42, no.1, pp.63-69, 2014 (International Refereed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **Hydrogen Production from NaBH<sub>4</sub> on CNT Supported Ru, Cr, Sn, Mn, Cd, Bi, Nd, Nb, Pt, Hf, Ag Catalysts**

Demir Kıvrak H., Çağlar A., Er O. F. , Erşen Dudu T., Alpaslan D., Aktaş N.

International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.602-605

II. **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

III. **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

IV. **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

V. **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

VI. **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

VII. **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

VIII. **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

IX. **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

X. **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

- XI. **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
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **Atık Sulardan Tekstil Boyalarının poli(3-Acrylamidopropyl-Trimethyl Ammonium Chloride)-Lentinus tigrinus (Bull.) Fr. (p(Aptmacl)-L. tigrinus (Bull.) Fr.) Hidrojeli ile Uzaklaştırılması**  
Erşen Dudu T., Alpaslan D., Şahiner N., Aktaş N.  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK 2016), İzmir, Turkey, 23 - 26 August 2016, pp.1
- XXII. **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
- XXIII. **Synthesis, characterization and possible agricultural application of nonionic p(DMAAm) hydrogel**  
Alpaslan D., Erşen Dudu T., Aktaş N.  
Self-assembly in the World of Polymers, Prague, Czech Republic, 10 - 14 August 2016, pp.1
- XXIV. **Characterization of cationic hydrogels and their removal of phenol red textile dyes from aqueous environment**

- Alpaslan D., Erşen Dudu T., Aktaş N.  
Self-assembly in the World of Polymers, Prague, Czech Republic, 10 - 14 August 2016, pp.1
- XXV. **Environmentally friendly superabsorbent polymers for water-holding in agricultural lands and their application for environmental purposes**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
Self-assembly in the World of Polymers, Prague, Czech Republic, 10 - 14 August 2016, pp.1
- XXVI. **Optimization of Toluidine Blue Biosorption Conditions From Aqueous Solutions by *Lentinus tigrinus* Fungi as Biosorbent with Response Surface Methodology**  
Akreyi H., Şahan T., Erşen Dudu T., Alpaslan D., Uzun Y.  
2nd International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016, vol.Abs. book, pp.15
- XXVII. **Removal of Some Textile dyes from Aqueous Environment with Hydrogel-fungi Composite**  
Erşen Dudu T., Alpaslan D., Şahiner N., Aktaş N.  
2nd INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES, Sarajova, Bosnia And Herzegovina, 27 - 31 May 2016, pp.1-3
- XXVIII. **Uptake of Toluidine Blue, Alizarin Red S, and Gallocyanine dyes from Aqueous Environment with poly(2-acrylamido-2-methyl-1-propansulfonic acid sodium salt)-*Polyporus Squamosus***  
Erşen Dudu T., Alpaslan D., Kubilay Ş., Aktaş N.  
2nd INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES, Sarajova, Bosnia And Herzegovina, 27 - 31 May 2016, pp.4-5
- XXIX. **Synthesis and Characterization of bio-based composite and Their Application for Environmental Purposes**  
Erşen Dudu T., Alpaslan D., Şahan T., Aktaş N.  
2nd International Congress on Applied Biological Sciences, Saraybosna, Bosnia And Herzegovina, 27 - 31 May 2016, vol.Abs. book, pp.150
- XXX. **Removal of Textile Dyes from Aqueous Environment with poly(2-acrylamido-2-methyl-1-propansulfonic acid sodium salt -co- 3-acrylamidopropil-trimethyl ammonium chloride)- *Polyporus Squamosus* (Huds.) Fr. Composite Hydrogel”**  
Erşen Dudu T., Alpaslan D., Aktaş N.  
2nd INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES, Sarajova, Bosnia And Herzegovina, 27 - 31 May 2016, pp.3-4
- XXXI. **ANYONİK VE KATYONİK ÖZELLİKLERE SAHİP HİDROJELLERİN, SENTEZİ, KARAKTERİZASYONU ve ARSENİK METAL İYONU ABSORPSİYONU**  
Alpaslan D., Erşen Dudu T., Şahiner M.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.816
- XXXII. **SULU ÇÖZELTİLERDEN Cr<sup>3+</sup> ve Cr<sup>6+</sup> METAL İYONLARININ POLİMER ESASLI HİDROJELLER İLE GİDERİLMESİ**  
Erşen Dudu T., Alpaslan D., SAHİNER M.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.815
- XXXIII. **Kollojen İçeren Hidrojel Kompozit Filmlerin Galik Asit Salmının HPLC Tekniği İle Belirlenmesi.**  
Şahiner M., Alpaslan D., Sağbaş S., BITLİSLİ B. O. , Yılmaz S.  
Kromatografi 2013 Kongresi, Bursa, Turkey, 17 - 21 June 2013, pp.3
- XXXIV. **İnsan Plazmasına Eklenen Galik Asidin HPLC Tekniği İle Kantitatif Analizi.**  
Ülker Çakır D., Kırtay Tütüncüler F., Alpaslan D., Sağbaş S., Demirci Ş., Yılmaz S., Şahiner N.  
Kromatografi 2013 Kongresi, Bursa, Turkey, 17 - 21 June 2013, pp.45
- XXXV. **Dual Hydrogel Nanocomposite Networks For Rapid And Selective Metal Ion Absorption**  
Şahiner N., Alpaslan D., Seven F., Çağlar A., Aktaş N.  
Third International Symposium Frontiers in Polymer Science., Barcelona, Spain, 21 - 23 May 2013, pp.1
- XXXVI. **Removal of As(V), Cr(III) and Cr(VI) from aqueous environment by modifiable hydrogels**  
Alpaslan D., Ersen T., Kubilay Ş., Aktaş N., ŞAHİNER N.  
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, United States Of America, 7 - 11

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## Memberships / Tasks in Scientific Organizations

ACS, Member, 2013 - Continues

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## Edit Congress and Symposium Activities

12. Ulusal Kimya Mühendisliği Kongresi (UKMK), Attendee, İzmir, Turkey, 2016

Self-assembly in the World of Polymers, Attendee, Praha, Czech Republic, 2016

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