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Education Information

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

Postgraduate, Van Yüzüncü Yıl University, Ziraat Fakültesi/ Fen Bilimleri/, Gıda Mühendisliği, Turkey 2002 - 2006

Undergraduate, Van Yüzüncü Yıl 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 Yıl 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 Yıl Üniversitesi/Bilim Uygulama Araştırma merkezi, 2018

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

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

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

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

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

Dissertations

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

Postgraduate, Van otlu peynirinde kullanılan sirmo (*Allium atrovioleaceum* Boiss.), siyabo (*Ferula rigidula* Dc.) ve mendi (*Chaerophyllum crinitum* Boiss.) bitkilerinin bazı patojen bakteriler üzerine antimikrobiyal etkisi, Van Yüzüncü Yıl 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 Yıl University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2021 - Continues

Assistant Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2018 - 2021

Assistant Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2015 - 2018

Academic and Administrative Experience

Courses

Yeni Ayırma Teknikleri, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

Kimya Müh. Tasarım II, Undergraduate, 2017 - 2018, 2015 - 2016

Bilgisayara Giriş, Undergraduate, 2016 - 2017, 2015 - 2016

Kimya Müh. Tasarım I, Undergraduate, 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 , Undergraduate, 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 Yıl Üniversitesi, July, 2017

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **Evaluation of particle biosynthesis, p(Okra) particle bioactivity, and drug release properties using Abelmoschus esculentus (okra) plant extract**
Alpaslan D., Turan A., Dudu T. E., Aktas N.
POLYMER BULLETIN, vol.7, pp.2-16, 2023 (SCI-Expanded)
- III. **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)

- IV. **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)
- V. **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)
- VI. **The efficiency of cationic-based hydrogels in heavy metal removal from wastewater**
Bakyt B., Dudu T. E., Kalipa S., Alpaslan D.
Polymer Bulletin, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **Non-Metal Polymeric Bioparticles Based on Maleic Acid/Citric Acid as a Catalyst for H-2 Generation from NaBH₄**
Alpaslan D., Erşen Dudu T., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.9, pp.3656-3664, 2022 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **Effect of egg white protein and agar-agar on quality of button mushrooms (*Agaricus bisporus*) during cold storage**
Saran E. Y., Çavuşoğlu Ş., Alpaslan D., EREN E., Yilmaz N., Uzun Y.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.46, no.2, pp.173-181, 2022 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material**
Alpaslan D., Dudu T., ŞAHİNER N., Aktas N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.108, 2020 (SCI-Expanded)
- XXVIII. **Use of colorimetric hydrogel as an indicator for food packaging applications**
Alpaslan D.
BULLETIN OF MATERIALS SCIENCE, vol.42, no.5, 2019 (SCI-Expanded)
- XXIX. **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)

- XXX. **3-Acrylamidopropyl-trimethylammoniumchloride cationic hydrogel modified graphite electrode and its superior sensitivity to hydrogen peroxide**
 Çağlar A., KAZICI H. Ç., Alpaslan D., Yılmaz Y., Kivrak H., Aktaş N.
 Fullerenes Nanotubes and Carbon Nanostructures, vol.27, no.9, pp.736-745, 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. **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 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)
- XXXIV. **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)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)
- XXXVII. **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)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **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 (SCI-Expanded)
- XL. **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 (SCI-Expanded)
- XLI. **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)

Articles Published in Other Journals

- I. **Synthesis of poly(Oak bark) particles from oak bark extract and its utilization as a drug carrier material**
Alpaslan D., Dudu T. E., Aktaş N.
Vietnam Journal of Chemistry, vol.61, no.6, pp.719-731, 2023 (ESCI)
- II. **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)
- III. **A REMARKABLE SYNERGIC EFFECT OF POLY (ACRYLIC ACID) HYDROGEL ANCHORED PD CATALYSTS IN FORMIC ACID ELECTROOXIDATION REACTION**
Khalid S., DEMİR KIVRAK H., Alpaslan D., KAYA Ş., Aktaş N.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.12, no.4, pp.275-282, 2022 (ESCI)
- IV. **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)
- V. **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)
- VI. **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 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **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 (Peer-Reviewed Journal)
- IX. **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 (Peer-Reviewed Journal)
- X. **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 (Peer-Reviewed Journal)
- XI. **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 (Peer-Reviewed Journal)

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. **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

IV. **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

V. **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

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 NaBH₄ 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. **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

IX. **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

X. **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

XI. **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

XII. **p(DMAAm) Hidrojinin 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

XIII. **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

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. **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
- XVI. **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
- 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. **Synthesis of Modified Superabsorbent Hydrogel and Their Environmental Applications**
Alpaslan D., Erşen Dudu T., Aktaş N.
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- XXIX. **Characterization of cationic hydrogels and their removal of phenol red textile dyes from aqueous environment**
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Self-assembly in the World of Polymers, Prague, Czech Republic, 10 - 14 August 2016, pp.1
- XXX. **Environmentally friendly superabsorbent polymers for water-holding in agricultural lands and their application for environmental purposes**
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- XXXI. **Synthesis, characterization and possible agricultural application of nonionic p(DMAAm) hydrogel**
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- XXXII. **Synthesis and Characterization of bio-based composite and Their Application for Environmental Purposes**
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- XXXV. **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**
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245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, United States Of America, 7 - 11 April 2013, vol.245

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Alpaslan D.

3. Gıda Mühendisliği Kongresi,, Ankara, Turkey, 2 - 04 October 2003, pp.431-441

Supported Projects

Alpaslan D., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, YYÜ Merkezi Laboratuvarı Geliştirme Projesi, 2011 - Continues

Alpaslan D., Erşen Dudu T., TURAN A., Project Supported by Higher Education Institutions, Bamyâ Özütünden Sentezlenen p(O) Partikülünün Biyoaktivite Özellikleri, 2022 - 2023

Erşen Dudu T., ORHAN R., Alpaslan D., Project Supported by Higher Education Institutions, Abelmoschus Esculentus L. Bitki Ekstraktından Sentezlenen Partiküllerin Karakterizasyonu ve İlaç Gideriminde Kullanılması, 2022 - 2023

Alpaslan D., Erşen Dudu T., Project Supported by Higher Education Institutions, Quercus sp Kabuğunun Özütünden Elde Edilen p(OB) Partikülünün Biyoaktivite Özellikleri ve İlaç Salınımı, 2022 - 2022

Alpaslan D., OLAK T., Project Supported by Higher Education Institutions, Kontrollü ilaç salım uygulamaları için poli (Agar-co-Glycerol-co-Kekik) Yağı bazlı Organo-hidrojeller geliştirmek, 2021 - 2022

Erşen Dudu T., Alpaslan D., SAĞBAŞ SUNER S., Project Supported by Higher Education Institutions, p(DMAAm-ko-Nişasta) temelli hidrojellerin sentezi, karakterizasyonu ve azotlu bileşiklerin absorpsiyonu-salımı, 2019 - 2020

Çavuşoğlu Ş., Alpaslan D., ŞARAN E. Y., Project Supported by Higher Education Institutions, Yenilebilir Kaplama Malzemelerinin Mantarda (Agaricus bisporus) Depolama Süresi ve Kalitesi Üzerine Etkileri, 2019 - 2020

Alpaslan D., Project Supported by Higher Education Institutions, pDMAAmkoMAkoSAHCl Temelli Biyouyumlu Hidrojelin Sentezi Karakterizasyonu ve Üre Gübresinin Absorpsiyonu, 2019 - 2019

İçli Özkut M., Alpaslan D., Project Supported by Higher Education Institutions, Antrasen ve Biantrasen Tabanlı Yeni Monomerlerin Sentezi Elektrokimyasal Polimerizasyonları Elde Edilen Polimerlerin Elektrokimyasal ve Spektroeletrokimyasal Karakterizasyonları, 2018 - 2019

Alpaslan D., İçli Özkut M., Erşen Dudu T., Project Supported by Higher Education Institutions, p(AN-ko-VI) ve modifiye p(AN-ko-VI) hidrojelleri ile ağır metallerin sulu ortamlardan absorpsiyon yöntemiyle uzaklaştırılması,, 2018 - 2019

Alpaslan D., Project Supported by Higher Education Institutions, p(DMAAm-ko-Agar) Temelli Yeni Biyouyumlu Hidrojeller Aracılığıyla Üre Absorpsiyonu, 2018 - 2018

Demir Kıvrak H., Aktaş N., Şahan T., Zengin A., Çelik Kazıcı H., Aldemir A., Alpaslan D., Erşen Dudu T., Ulaş B., Uzun Y., et al., Project Supported by Higher Education Institutions, 13. Ulusal Kimya Mühendisliği Kongresi, 2018 - 2018

Alpaslan D., Şahan T., İçli Özkut M., Zengin A., Erşen Dudu T., Project Supported by Higher Education Institutions, Kimya Mühendisliği Bölümünün Altyapısının Güçlendirilmesi, 2017 - 2017

Alpaslan D., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Çiftçi Destek Eğitimi, 2017 - 2017

Alpaslan D., Project Supported by Higher Education Institutions, pDMAAmNaOH Temelli Modifiye Hidrojellerin Sentezi Karakterizasyonu ve Tarımsal Uygulamaları, 2017 - 2017

Alpaslan D., Other International Funding Programs, Hidrojellerle (AMPS-ko-AMPS) bazı toksik absorpsiyonu,, 2012 - 2013

Alpaslan D., EU Supported Other Project, Strengthening The Institutional Capacity Of Kurtalan Chamber Of Agriculture, 2008 - 2009

Alpaslan D., EU Supported Other Project, Training And Leading Project In Bitis City, 2006 - 2007

Alpaslan D., EU Supported Other Project, Ahlat Food Cold Storage, 2006 - 2007

Memberships / Tasks in Scientific Organizations

ACS, Member, 2013 - Continues

TEMA, Member, 2010 - Continues

Gıda Mühendisliği, Member, 1999 - Continues

Scientific Refereeing

Academic Research Journal of Agricultural Science and Research, Other Indexed Journal, May 2018

AGRICULTURAL SCIENCE RESEARCH JOURNAL, Other Indexed Journal, December 2017

Metrics

Publication: 110

Citation (WoS): 274

Citation (Scopus): 421

H-Index (WoS): 10

H-Index (Scopus): 12

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

2nd INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES, Attendee, Sarajevo, Bosnia And Herzegovina, 2016

ACS 254, Attendee, Louisiana, United States Of America, 2012

Non Academic Experience

Projelerle Gelişimi Destekleme Derneği

Kurtalan Ziraat Odası, Proje Danışmalığı ve Proje Koordinatörlüğü

Erçiş Ziraat Odası

Van Damızlık Koyun-Keçi Yetiştiricileri Derneği

Ahlat Ziraat Odası, Proje Danışmalığı ve Proje Koordinatörlüğü

Gorax Cips Fabrikası

Van Gıda Mühendisleri Odası