

Res. Asst. Esra Su

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-8224-2020

ScopusID: 57193119616

Yoksis Researcher ID: 224497

Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2015 - Continues

Postgraduate, Anadolu University, Institute Of Science, Anorganik Kimya (YI) (Tezli), Turkey 2014 - 2015

Undergraduate, Anadolu University, Faculty Of Science, Department Of Chemistry, Turkey 2008 - 2013

Foreign Languages

English

Dissertations

Postgraduate, Oksijen köprülü iki çekirdekli Mn(II) antranilik asit ve 4-florobenzoik asit komplekslerinin sentezi, katalaz ve DNA bağlanma aktivitelerinin araştırılması, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Anorganik Kimya (YI) (Tezli), 2015

Research Areas

Basic Sciences, Chemistry, Physical Chemistry, Polymeric Materials

Academic Titles / Tasks

Research Assistant, İstanbul Technical University, Fen-Edebiyat, Kimya, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Solvent-Free UV Polymerization of n-Octadecyl Acrylate in Butyl Rubber: A Simple Way to Produce Tough and Smart Polymeric Materials at Ambient Temperature
Su E., Bilici C., Bayazit G., İDE S., Okay O.
ACS APPLIED MATERIALS & INTERFACES, vol.13, no.18, pp.21786-21799, 2021 (SCI-Expanded)
- II. Highly stretchable and thermally healable polyampholyte hydrogels via hydrophobic modification

- Toletay G., Su E., Kudaibergenov S., Okay O.
 COLLOID AND POLYMER SCIENCE, vol.298, pp.273-284, 2020 (SCI-Expanded)
- III. Comparative evaluation of biogas recovery during anaerobic treatment of aircraft deicing fluids at increased ratios in domestic wastewater
 Göktaş H. C., Engiz G., Su E., Yangin-Gomec C.
 DESALINATION AND WATER TREATMENT, vol.172, pp.254-259, 2019 (SCI-Expanded)
- IV. Cryogenic formation-structure-property relationships of poly(2-acrylamido-2-methyl-1-propanesulfonic acid) cryogels
 Su E., Okay O.
 POLYMER, vol.178, 2019 (SCI-Expanded)
- V. A Self-Healing and Highly Stretchable Polyelectrolyte Hydrogel via Cooperative Hydrogen Bonding as a Superabsorbent Polymer
 Su E., Yurtsever M., Okay O.
 MACROMOLECULES, vol.52, no.9, pp.3257-3267, 2019 (SCI-Expanded)
- VI. Oxygen bridged Homobinuclear Mn(II) compounds with Anthranilic acid: Theoretical calculations, oxidation and catalase activity
 Su E., Guven A., Kani I.
 APPLIED ORGANOMETALLIC CHEMISTRY, vol.32, no.2, 2018 (SCI-Expanded)
- VII. Hybrid cross-linked poly(2-acrylamido-2-methyl-1-propanesulfonic acid) hydrogels with tunable viscoelastic, mechanical and self-healing properties
 Su E., Okay O.
 REACTIVE & FUNCTIONAL POLYMERS, vol.123, pp.70-79, 2018 (SCI-Expanded)
- VIII. Polyampholyte hydrogels formed via electrostatic and hydrophobic interactions
 Su E., Okay O.
 EUROPEAN POLYMER JOURNAL, vol.88, pp.191-204, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. Swelling and mechanical properties of quenched polyampholyte hydrogels based on 2-acrylamido-2-methyl-1-propanesulfonic acid sodium salt (AMPS) and (3-acrylamidopropyl) trimethylammonium chloride (APTAC)
 Toleutay G., Su E., Kudaibergenov S. E.
 BULLETIN OF THE UNIVERSITY OF KARAGANDA-CHEMISTRY, no.96, pp.35-43, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. Properties of PAMPS cryogels based on cryogelation conditions
 SU E., OKAY O.
 BIOMED 2019 24th International Biomedical Science Technology Symposium, 17 - 20 October 2019
- II. Energy Efficiency at Airports Through the Management of Aircraft De-Icing Fluid (ADF) by a High-Rate Anaerobic Treatment Process
 ENGİZ G., SU E., GÖMEÇ Ç.
 Industrial Water 2018, 27 - 29 November 2018
- III. Comparative Evaluation of Biogas Recovery During Anaerobic Treatment of Aircraft Deicing Fluids at Increased Ratios in Domestic Wastewater
 Göktaş H. M., Engiz G., Su E., Gömeç Ç.
 4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018, pp.204-206
- IV. Hibrit Çapraz Bağlı AMPS Esaslı Hidrojeller
 SU E., OKAY O.

- Polimer2018 Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- V. **Hidrofobik ve İyonik Etkileşimlerle Oluşturulan Supramoleküler Poliamfolit Hidrojeller**
SU E., OKAY O.
6.Fiziksel Kimya Kongresi, Zonguldak, Turkey, 15 - 18 May 2017
- VI. **A STUDY ON SOME MANGANESE (II) COMPLEXES**
GUVEN A., SU E., KANİ İ.
3rd International Conference on New Trends in Chemistry, Helsinki, Finland, 28 - 30 April 2017, pp.52-53
- VII. **Advancing behaviors of tough polyampholyte hydrogels**
SU E., OKAY O.
5th International Conference on Multifunctional, Hybrid and Nanomaterials, Lizbon, Portugal, 6 - 10 March 2017
- VIII. **Supramolecular polyampholyte hydrogels formed via hydrophobic and ionic interactions**
SU E., OKAY O.
23rd Polymer Networks Group Meeting, 19 - 23 June 2016
- IX. **Catalytic Application of MOF Binuclear Manganese Complexes**
SU E., KANİ İ.
11th Nanoscience and Nanotechnology Conference (NanoTR-11), Ankara, Turkey, 22 - 25 June 2015
- X. **4 FLOROBENZOİK ASİT İLE Mn II KOMPLEKSLERİNİN SENTEZİ VE KATALAZ AKTİVİTELERİNİN ARAŞTIRILMASI**
SU E., KANİ İ.
V. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- XI. **Synthesis of oxygen bridged binuclear Mn II complexes with Anthralinic and 4 fluoro benzoic acid catalase activity**
SU E., KANİ İ.
FLOHET-2015 Annual Florida Heterocyclic and Synthetic IUPAC-Sponsored Conference, 1 - 04 March 2015
- XII. **DNA METAL INTERACTION STUDIES with OXYGEN BRIDGED BINUCLEAR Mn II COMPLEXES**
SU E., KANİ İ.
International Multidisciplinary Symposium on Drug Research & Development, 15 - 17 October 2014

Supported Projects

Okay O., Su E., Project Supported by Higher Education Institutions, Anizotropik mekanik özelliklere sahip, biyoyumlu ipek fibroin ve hyaluronik asit iskeletleri üretimi, 2016 - 2019

Metrics

Publication: 23
Citation (WoS): 115
Citation (Scopus): 111
H-Index (WoS): 4
H-Index (Scopus): 5

Congress and Symposium Activities

6. Fiziksel Kimya Kongresi, Attendee, Zonguldak, Turkey, 2017
5th International Conference on Multifunctional, Hybrid and Nanomaterials, Attendee, Lisboa, Portugal, 2017
PNG2016 Polymer Networks Group meeting, Attendee, Stockholm, Sweden, 2016
DRD2015 International Multidisciplinary Symposium on Drug Research & Development, Attendee, Eskişehir, Turkey,

2015

FLOHET-2015 Annual Florida Heterocyclic and Synthetic IUPAC-Sponsored Conference, Attendee, Florida, United States Of America, 2015

V. Ulusal Anorganik Kimya Kongresi, Attendee, Mersin, Turkey, 2015

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı, TUBITAK, 2015 - Continues