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International Researcher IDs

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Publons / Web Of Science ResearcherID: H-2709-2018

ScopusID: 24491630600

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2010 - 2017

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Anadolu University, Faculty Of Science, Department Of Chemistry, Turkey 2002 - 2007

Dissertations

Doctorate, Azot, fosfor ve kükürt içeren polimerik mikro ve nano partikülerin sentezi ve çeşitli uygulamalarda kullanımları, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2017

Postgraduate, Uyariya duyarlı yüzeye sahip polistiren latekslerin sentez ve karakterizasyonu, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2010

Research Areas

Biomedical Engineering, Polymer Technology, Catalysis and Catalytic Processes, Chemistry, Polymers and Their Applications, Functional Polymers, Composites, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Biyomedikal Mühendisliği, 2019 - Continues

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Biyomedikal Mühendisliği, 2020 - Continues

Head of Department, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Biyomedikal Mühendisliği, 2021 -

2024

Fakülte Kurulu Üyesi, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Biyomedikal Mühendisliği, 2021 - 2024

Advising Theses

Bütün Şengel S., Kriyojel Doku İskelesi: Wharton Jeli Kaynaklı Mezenkimal Kök Hücre Kullanılarak Yönlendirilmiş Doku Mühendisliği Uygulamaları, Postgraduate, F.IDRISOVA(Student), 2024

Bütün Şengel S., Polisakkartit bazlı poliiyonik sıvılar ve biyomedikal uygulamaları, Postgraduate, H.DEVECİ(Student), 2024

Bütün Şengel S., Erdem Gürsan K. A., Polisakkartit-kriyojel temelli elektrokimyasal biyosensör geliştirilmesi ve uygulamaları, Postgraduate, N.TUNCA(Student), 2023

Bütün Şengel S., Çevre ve enerji uygulamaları için silika aerojel kompozitler, Postgraduate, Ş.SOMAKLI(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Developing a Novel Platelet-Rich Plasma-Laden Bioadhesive Hydrogel Contact Lens for the Treatment of Ocular Surface Chemical Injuries**
Soykan M. N., Altug B., Bas H., Ghorbanpoor H., Avci H., Eroglu S., Sengel S., Sariboyaci A. E., Bagis S., Uysal O., et al. Macromolecular Bioscience, vol.23, no.12, 2023 (SCI-Expanded)
- II. **PDMA cryogel beads as a catalyst for hydrogen generation from NaBH4 alcoholysis**
BÜTÜN ŞENGEL S., Deveci H., BÜTÜN V.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.48, no.76, pp.29530-29541, 2023 (SCI-Expanded)
- III. **Hydro(Solvo)Thermal-Supported Nano/Microparticle-Doped Silica Aerogels: Synthesis, Characterization and Catalyst Applications for H₂ Production**
Somaklı Ş., Bütün Şengel S.
SILICON, vol.0, no.0, 2023 (SCI-Expanded)
- IV. **Clay/nanocomposite hydrogels: In review**
Kurama H., Bütün Şengel S.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.59, no.5, pp.165991, 2023 (SCI-Expanded)
- V. **Carbon spheres as an efficient green catalysts for dehydrogenation of sodium borohydride in methanol**
Bütün Şengel S., Deveci H., Bas H., Bütün V.
Catalysis Communications, vol.177, 2023 (SCI-Expanded)
- VI. **Tunable Friction Through Stimuli Responsive Hybrid Carbon Microspheres**
Oak S., Pashazanusi L., Sengel S., Omarova M., Hemstock J. L., He W., He J., John V., Sahiner N., Pesika N. S.
LANGMUIR, vol.35, no.48, pp.15849-15854, 2019 (SCI-Expanded)
- VII. **Synthesis and characterization of poly(N-(2-mercaptopethyl) acrylamide) microgel for biomedical applications**
Sengel S., ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.30, no.8, pp.2109-2121, 2019 (SCI-Expanded)
- VIII. **Highly regenerable ionic liquid microgels as inherently metal-free green catalyst for H-2 generation**
ÖZTÜRK O., Demirci S., BÜTÜN ŞENGEL S., ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.29, no.5, pp.1426-1434, 2018 (SCI-Expanded)
- IX. **Responsive biopolymer-based microgels/nanogels for drug delivery applications**
Suner S. S., ŞAHİNER M., Sengel S., Rees D. J., Reed W. F., ŞAHİNER N.
STIMULI RESPONSIVE POLYMERIC NANOCARRIERS FOR DRUG DELIVERY APPLICATIONS: TYPES AND TRIGGERS, VOL 1, pp.453-500, 2018 (SCI-Expanded)
- X. **Various amine functionalized halloysite nanotube as efficient metal free catalysts for H-2 generation from sodium borohydride methanolysis**

- ŞAHİNER N., BÜTÜN ŞENGEL S.
APPLIED CLAY SCIENCE, vol.146, pp.517-525, 2017 (SCI-Expanded)
- XI. Removal of arsenate and dichromate ions from different aqueous media by amine based p(TAEA-co-GDE) microgels
Rehman S. U., Khan A. R., Sahiner M., BÜTÜN ŞENGEL S., Aktaş N., Siddiq M., ŞAHİNER N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.197, pp.631-641, 2017 (SCI-Expanded)
- XII. Poly((Thiazol-2-yl) acrylamide), p(ATA) microgel: Synthesis, characterization and versatile applications
BÜTÜN ŞENGEL S., ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.522, pp.272-278, 2017 (SCI-Expanded)
- XIII. Halloysite-carboxymethyl cellulose cryogel composite from natural sources
BÜTÜN ŞENGEL S., Sahiner M., Aktas N., ŞAHİNER N.
APPLIED CLAY SCIENCE, vol.140, pp.66-74, 2017 (SCI-Expanded)
- XIV. Environmentally benign halloysite clay nanotubes as alternative catalyst to metal nanoparticles in H₂ production from methanolysis of sodium borohydride
ŞAHİNER N., BÜTÜN ŞENGEL S.
FUEL PROCESSING TECHNOLOGY, vol.158, pp.1-8, 2017 (SCI-Expanded)
- XV. Surfactant free synthesis and characterization of poly(vinyl carbazole) microgel and its chemical modifications
ŞAHİNER N., BÜTÜN ŞENGEL S.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.514, pp.243-250, 2017 (SCI-Expanded)
- XVI. 0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis
Butun S., Demirci S., Yasar A. O., Sagbas S., Aktaş N., ŞAHİNER N.
MORPHOLOGICAL, COMPOSITIONAL, AND SHAPE CONTROL OF MATERIALS FOR CATALYSIS, vol.177, pp.317-357, 2017 (SCI-Expanded)
- XVII. A facile preparation of donut-like supramolecular tannic acid-Fe(III) composite as biomaterials with magnetic, conductive, and antioxidant properties
ŞAHİNER N., BÜTÜN ŞENGEL S., YILDIZ M.
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.21, pp.3619-3632, 2017 (SCI-Expanded)
- XVIII. Quaternized polymeric microgels as metal free catalyst for H-2 production from the methanolysis of sodium borohydride
ŞAHİNER N., BÜTÜN ŞENGEL S.
JOURNAL OF POWER SOURCES, vol.336, pp.27-34, 2016 (SCI-Expanded)
- XIX. Tannic acid decorated poly(methacrylic acid) micro and nanoparticles with controllable tannic acid release and antioxidant properties
ŞAHİNER N., BÜTÜN ŞENGEL S.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.508, pp.30-38, 2016 (SCI-Expanded)
- XX. Poly(vinyl phosphonic acid) nanogels with tailored properties and their use for biomedical and environmental applications
BÜTÜN ŞENGEL S., ŞAHİNER N.
EUROPEAN POLYMER JOURNAL, vol.75, pp.264-275, 2016 (SCI-Expanded)
- XXI. Reusable Soft Hydrogels for Gold Recovery from Acidic Environments
ŞAHİNER N., Karakoyun N., Şahan T., Butun S., Aktaş N.
SEPARATION SCIENCE AND TECHNOLOGY, vol.48, no.5, pp.805-812, 2013 (SCI-Expanded)
- XXII. p(AAGA) hydrogel reactor for in situ Co and Ni nanoparticle preparation and use in hydrogen generation from the hydrolysis of sodium borohydride
ŞAHİNER N., Butun S., Turhan T.
CHEMICAL ENGINEERING SCIENCE, vol.82, pp.114-120, 2012 (SCI-Expanded)

- XXIII. **Porous and modified HA particles as potential drug delivery systems**
 ŞAHİNER N., SILAN C., Sagbas S., ILGIN P., Butun S., ERDUĞAN H., Ayyala R. S.
 MICROPOROUS AND MESOPOROUS MATERIALS, vol.155, pp.124-130, 2012 (SCI-Expanded)
- XXIV. **Utilization of Smart Hydrogel-Metal Composites as Catalysis Media**
 ŞAHİNER N., Butun S., ÖZAY Ö., Dibek B.
 JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.373, pp.122-128, 2012 (SCI-Expanded)
- XXV. **Modifiable chemically crosslinked poli(kappa-carrageenan) particles**
 Sagbas S., Butun S., ŞAHİNER N.
 CARBOHYDRATE POLYMERS, vol.87, no.4, pp.2718-2724, 2012 (SCI-Expanded)
- XXVI. **Soft hydrogels for dual use: Template for metal nanoparticle synthesis and a reactor in the reduction of nitrophenols**
 ŞAHİNER N., Kaynak A., Butun S.
 JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.358, no.4, pp.758-764, 2012 (SCI-Expanded)
- XXVII. **Novel hydrogel particles and their IPN films as drug delivery systems with antibacterial properties**
 SILAN C., AKÇALI A., Otkun M. T., Ozbey N., Butun S., ÖZAY Ö., ŞAHİNER N.
 COLLOIDS AND SURFACES B-BIOINTERFACES, vol.89, pp.248-253, 2012 (SCI-Expanded)
- XXVIII. **A versatile hydrogel template for metal nano particle preparation and their use in catalysis**
 Butun S., ŞAHİNER N.
 POLYMER, vol.52, no.21, pp.4834-4840, 2011 (SCI-Expanded)
- XXIX. **Hydrogel templated CdS quantum dots synthesis and their characterization**
 ŞAHİNER N., SEL K., Meral K., ONGANER Y., Butun S., ÖZAY Ö., SILAN C.
 COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.389, pp.6-11, 2011 (SCI-Expanded)
- XXX. **Hydrogel particles with core shell morphology for versatile applications: Environmental, biomedical and catalysis**
 ŞAHİNER N., Butun S., ILGIN P.
 COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.386, pp.16-24, 2011 (SCI-Expanded)
- XXXI. **One-step fabrication of biocompatible carboxymethyl cellulose polymeric particles for drug delivery systems**
 Butun S., Ince F. G., ERDUĞAN H., ŞAHİNER N.
 CARBOHYDRATE POLYMERS, vol.86, no.2, pp.636-643, 2011 (SCI-Expanded)
- XXXII. **Soft hydrogel particles with high functional value**
 ŞAHİNER N., Butun S., ILGIN P.
 COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.381, pp.74-84, 2011 (SCI-Expanded)
- XXXIII. **Hyaluronic acid hydrogel particles with tunable charges as potential drug delivery devices**
 EKİCİ S., ILGIN P., Butun S., ŞAHİNER N.
 CARBOHYDRATE POLYMERS, vol.84, no.4, pp.1306-1313, 2011 (SCI-Expanded)
- XXXIV. **Micelles and 'reverse micelles' with a novel water-soluble diblock copolymer**
 BÜTÜN V., Sonmez S., YARLIGAN UYSAL S., Taktak F. F., Atay A., BÜTÜN ŞENGEL S.
 POLYMER, vol.49, no.19, pp.4057-4065, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Smart materials and their advanced biomedical applications: HNT and HNT-polymer composites**
 Bütün Şengel S., Tunca N., Deveci H., Baş H., Bütün V.
 Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.4, pp.955-974, 2023
 (Peer-Reviewed Journal)
- II. **Amine functionalized poly (glycidyl methacrylate) hydrogels for Congo red adsorption**

- Gokkus K., Bütün Şengel S., Yildirim Y., Hasanbeyoglu S., Butun V.
 JOURNAL OF ENVIRONMENTAL ENGINEERING AND SCIENCE, vol.18, no.4, pp.204-214, 2023 (ESCI)
- III. Synthesis and modification of hydro(solvo) thermal-supported silica aerogels and their use in adsorption studies**
 Somaklı Ş., Bütün Şengel S.
 Nigde Omer Halisdemir University Journal of Engineering Sciences, vol.12, no.3, pp.872-882, 2023 (Peer-Reviewed Journal)
- IV. Boric acid versus boron trioxide as catalysts for green energy source H₂ production from sodium borohydride methanolysis**
 DEMİRCİ Ş., ARI B., BÜTÜN ŞENGEL S., İNGER E., ŞAHİNER N.
 Manas Journal of Engineering, vol.9, no.2, pp.142-151, 2021 (Peer-Reviewed Journal)
- V. SiO₂ Particle Embedded Silica Aerogels: Environmental and Energy Applications**
 Bütün Şengel S., Somaklı Ş., Bütün V.
 ESKİŞEHİR TECHNICAL UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A- APPLIED SCIENCES AND ENGINEERING, vol.22, pp.120-128, 2021 (Peer-Reviewed Journal)
- VI. Synthesis and Characterization of Poly[(2-Dimethylamino) Ethyl Methacrylate]-PAN/TiO₂ Composite Cryogels and Their Use in Separation Study**
 Bütün Şengel S., Gökkuş K., Keyik K., Bütün V.
 Eskişehir Technical University Journal of Science and Technology A- Applied Sciences and Engineering, vol.22, pp.129-138, 2021 (Peer-Reviewed Journal)
- VII. The use of titanium dioxide particles embedded in anionic hydrogel composite for photocatalytic degradation of methylene blue**
 ARI B., BÜTÜN ŞENGEL S., ŞAHİNER N.
 SPE Polymers, vol.2, pp.97-109, 2021 (Scopus)
- VIII. Functionalization of Carbon Particles by Atom Transfer Radical Polymerization**
 ŞAHİNER N., BÜTÜN ŞENGEL S.
 MRS ADVANCES, vol.2, no.47, pp.2537-2544, 2017 (ESCI)
- IX. The Use of Cu, Ni and Co Metal Nanoparticles Generated in Acidic Hydrogels as Catalysts in the Reduction of Nitro Phenols**
 ŞAHİNER N., BÜTÜN ŞENGEL S.
 Journal of Hydrogels, vol.1, no.1, pp.63-69, 2015 (Peer-Reviewed Journal)
- X. Preparation of collagen based composite materials with synthetic polymers for potential wound dressing applications**
 Sahiner M., BÜTÜN ŞENGEL S., ALPASLAN D., Bitlisli B. O.
 Hacettepe Journal of Biology and Chemistry, vol.1, no.42, pp.63-69, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Responsive biopolymer-based microgels/nanogels for drug delivery applications**
 Suner S. S., Sahiner M., BÜTÜN ŞENGEL S., Rees D. J., Reed W. F., ŞAHİNER N.
 in: Stimuli Responsive Polymeric Nanocarriers for Drug Delivery Applications, , Editor, Woodhead Publishing, pp.453-500, 2018
- II. 0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**
 BÜTÜN ŞENGEL S., Demirci S., Yasar A. O., Sagbas S., Aktas N., ŞAHİNER N.
 in: Studies in Surface Science and Catalysis, , Editor, Elsevier, pp.317-357, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. 3D Cryogel Scaffolds from Natural Polymers for Use in Tissue Engineering Applications**

İDRİSOVA F., BÜTÜN ŞENGEL S.

8th International ICONTECH CONGRESS on Innovative Surveys in Positive Sciences, Baku, Azerbaijan, 16 March 2024, pp.580-589

- II. **Phytic Acid as a Low-cost, Non-toxic and Sustainable Homogeneous Catalyst: Hydrogen Production from Alcoholysis of NaBH4**

BÜTÜN ŞENGEL S., DEVECİ H.

8th International Conference on Catalysis and Chemical Engineering (CCE-2024), Boston, MA, United States Of America, 26 - 29 February 2024

- III. **Polymeric Materials and Their Use in The Biomedical, Environmental, and Energy Field**

Bütün Şengel S.

2nd International Conference of Sciences on "Revamped Scientific Outlook of 21st Century, 2023", Rawalpindi, Pakistan, 15 November 2023

- IV. **Metal-free carbon-based efficient green catalysts prepared via hydrothermal process for the fast hydrogen production in the dehydrogenation of NaBH4 in methanol**

DEVECİ H., TUNCA N., BAŞ H., BÜTÜN ŞENGEL S., BÜTÜN V.

Asiachem – 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.162-163

- V. **Cellulose and starch micro(nano)spheres: Hydrothermal synthesis and dye adsorption performances**

DEVECİ H., BAŞ H., BÜTÜN ŞENGEL S., BÜTÜN V.

Asiachem – 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.219

- VI. **Macroporous poly[2-(dimethylamino)ethyl methacrylate] cryo beads: Synthesis, quaternization and biomedical applications**

BÜTÜN ŞENGEL S., TUNCA N., ŞENGEL T., GÖGER G., BÜTÜN V.

Asiachem – 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.328-329

- VII. **Lignin-based biomaterials having different size and morphology: Their preparations and biomedical applications**

BÜTÜN ŞENGEL S.

Asiachem – 19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.112-113

- VIII. **Clay/Nanocomposite Hydrogels: In Review**

KURAMA H., BÜTÜN ŞENGEL S.

17 th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, vol.1, pp.163-172

- IX. **How the Exfoliation Effects the Properties of Clay /Graphene Oxide Polymer Composite Hydrogels in Use for Environmental Remediation**

İŞİK M., BÜTÜN ŞENGEL S., KURAMA H.

4th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2022), Tunisia, 01 November 2022

- X. **Nano-, mikro- ve makro-boyutta lignin partiküllerinin sentezi ve biyomedikal uygulamaları**

BÜTÜN ŞENGEL S., TUNCA N., BÜTÜN V.

Uluslararası Katılımlı VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.42

- XI. **TiO2-Polimer Nanokompozitlerin Sentezi ve Kontrollü İlaç Salım Sistemi Olarak Kullanılması**

TUNCER C., BÜTÜN ŞENGEL S., BÜTÜN V.

Uluslararası Katılımlı VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.85

- XII. **Selüloz ve nişastadan hidrotermal sentez ile karbon kärelerin hazırlanması ve optimizasyonu: Çevre ve enerji uygulamaları**

BÜTÜN ŞENGEL S., BAŞ H., DEVECİ H., BÜTÜN V.

Uluslararası Katılımlı VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.84

- XIII. **Karbon kuantum nokta içeren floresan fiberler ve sensör uygulamaları**

BÜTÜN ŞENGEL S., BAŞ H., DEVECİ H., GÖKKUŞ K., BÜTÜN V.

Uluslararası Katılımlı VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.149

- XIV. **TiO2-polimer nanokompozitlerin sentezi ve kontrollü ilaç salım sistemi olarak kullanılması**

Tuncer C., Bütün Şengel S., Bütün V.

ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022,

- pp.85
- XV. **Poli(2-hidroksietil Metakrilat)/Sepiolit Kompozit Hidrojellerin Metilen Mavisi Adsorpsiyonunda Verimlerinin Ortaya Konması**
Gökkuş K., Özbal A., Bütün Şengel S., Bütün V.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022,
pp.53
- XVI. **PHEMA-lületaşı ve PHEMA-CP kompozit hidrojel/kriyojellerin tekstil boyası adsorpsiyonunda kullanımı**
Özbal A., Baş H., Bütün Şengel S., Bütün V.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022,
pp.164
- XVII. **Lületaşı ve karbon partikülü katkılı PHEMA kompozit hidro(kriyo)jeller: Sulu ortamdan ağır metal uzaklaştırılması**
Özbal A., Bütün Şengel S., Gökkuş K., Bütün V.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022,
pp.83
- XVIII. **Controlled release of antimicrobial compound from nanofiber PVA films and their antimicrobial activities**
BÜTÜN ŞENGEL S., GÖGER G., TUNCA N., GÖKKUŞ K., BÜTÜN V.
10. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, İstanbul, Turkey, 13 - 14 May 2022
- XIX. **Production of Macroporous Reduced Graphene Oxide Aerogel in Thin Film Form via Electrospinning Technique**
BAŞ H., DEVECİ H., BÜTÜN ŞENGEL S., BÜTÜN V.
10. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, İstanbul, Turkey, 13 - 14 May 2022
- XX. **Carbon Spheres as Catalyst for H₂ Generation from Sodium Borohydride Methanolysis**
DEVECİ H., BAŞ H., BÜTÜN ŞENGEL S., BÜTÜN V.
10. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, İstanbul, Turkey, 13 - 14 May 2022
- XXI. **Thermo- and pH-Responsive Cryo-Beads (PNIPAM-PDMA) as Drug Delivery Device**
BÜTÜN ŞENGEL S.
8th International Conference on Multidisciplinary Sciences, Antalya, Turkey, 2 - 04 March 2022
- XXII. **GO and Ag Containing PAMPS Hydrogel Films for Environmental Application: Adsorption and Degradation of Textile Dyes**
BAŞ H., DEVECİ H., TUNCA N., BÜTÜN ŞENGEL S., BÜTÜN V.
8th International Conference on Multidisciplinary Sciences, Antalya, Turkey, 2 - 04 March 2022
- XXIII. **Controlled Formation of Gelatine-Based Microgels as a Potential Drug Delivery Systems**
BAŞ H., DEVECİ H., TUNCA N., BÜTÜN ŞENGEL S., BÜTÜN V.
8th International Conference on Multidisciplinary Sciences, Antalya, Turkey, 2 - 04 March 2022
- XXIV. **Facile Synthesis of Functional Carbon Particles by Hydrothermal Treatment**
Bütün Şengel S., Renklitepe C., Bütün V.
8th International Conference on Multidisciplinary Sciences, Antalya, Turkey, 2 - 04 March 2022, pp.336-344
- XXV. **A novel green synthesis of nano/micro particles directly from citrus sinensis L. peel extracts and their use in biomedical applications**
BÜTÜN ŞENGEL S., GÖGER G., BÜTÜN V.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021
- XXVI. **Preparation of microparticles from lavender extract with hydro/solvothermal synthesis: cytotoxic and genotoxic effect on cancer cell lines**
BÜTÜN ŞENGEL S., ŞENGEL T., BÜTÜN V.
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021
- XXVII. **SiO₂ and Carbon Particle Embedded Silica Aerogels and Their Applications**
SOMAKLI Ş., BÜTÜN ŞENGEL S., BÜTÜN V.
8. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Eskişehir, Turkey, 18 - 19 June 2021

- XXVIII. Preparation and Modification of Suitable PAN Nanofiber Structures and Usages in Removing Various Contaminants**
GÖKKUŞ K., BÜTÜN ŞENGEL S., BÜTÜN V.
8. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Eskişehir, Turkey, 18 - 19 June 2021
- XXIX. PVA-Metal Composite Nanofiber Synthesis via Electrospinning and Its Use as CatalystSystem**
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- XXX. Synthesis of Poly(styrene-co-glycidyl methacrylate) Containing Poly(vinyl alcohol) Nanofiber and Its Methyl Orange Adsorption Study**
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- XXXI. PAN/TiO₂ Nanocomposite Embedded Poly[(2-dimethylamino)ethyl Methacrylate] Cryogels for Separation and Purification Technologies**
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- XXXII. Kalsiyum Aljinat-M (M:Co, Ni, Cu, Ag vb.) KompozitMikrokürelerin Sentezi ve NaBH₄ Hidrolizinde Katalizör Olarak Kullanımı**
BÜTÜN ŞENGEL S.
32. Ulusal Kimya Kongresi, Turkey, 17 - 19 September 2020
- XXXIII. Çevre ve Enerji Uygulamaları İçin Silika AerojelKompozitler**
Somaklı Ş., BÜTÜN ŞENGEL S.
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- XXXIV. Gözenekli Ca-aljinat ve Ca-aljinat-M (M:Co, Ni, Cu) Kompozit Kürelerin Hazırlanması ve Katalitik Uygulamaları**
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- XXXV. Titanyum Dioksit İçeren Anyonik Hidrojel Kompozitin Metilen Mavisi Boyasının Fotokatalitik Bozunmasında Kullanılması**
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- XXXIX. Functionalization of Carbon Particles by Atom Transfer Radical Polymerization**
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Metrics

Publication: 109

Citation (WoS): 954

Citation (Scopus): 1042

H-Index (WoS): 20

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Non Academic Experience

TESS-SAN GENEL ENDÜSTRİ MADDELERİ SANAYİ VE DIŞ TİCARET LİMİTED ŞİRKETİ

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MİKRON'S MİKRONİZE MİNERAL END. TİC. A.Ş.