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International Researcher IDs

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Education Information

Doctorate, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, Turkey 2018 - 2021

Postgraduate, Istanbul Technical University, Enerji Enstitüsü, Nükleer Araştırmalar, Turkey 2015 - 2017

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, Turkey 2009 - 2014

Dissertations

Doctorate, Üç boyutlu yazıcı ile yapay kornea üretimi ve elektroğrılmış nanofiber yama ile kornea dokusunun desteklenmesi, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2021

Postgraduate, The investigation of the irradiation effect on PMMA/MWCNTs polymer nanocomposites, Istanbul Technical University, Enerji Enstitüsü, Nükleer Araştırmalar, 2018

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2022 - Continues

Academic and Administrative Experience

Araştırmacı, TÜSEB, Biyoteknoloji Enstitüsü, 2022 - Continues

Courses

Doctorate

Nanoteknolojiye Giriş, Doctorate, 2023 - 2024

Nanofiber Malzemesi Üretimi ve Karakterizasyonu, Doctorate, 2022 - 2023

Postgraduate

Sağlık Alanında Üç Boyutlu Yazıcılar, Postgraduate, 2022 - 2023

Mikro/Nano Fiber Üretimi ve Karakterizasyonu, Postgraduate, 2022 - 2023

Undergraduate

Isı Geçişi, Undergraduate, 2024 - 2025

Üretim Teknolojileri ve Uygulamaları, Undergraduate, 2023 - 2024

Fizik II, Undergraduate, 2022 - 2023

Diferansiyel Denklemler, Undergraduate, 2022 - 2023

Biyomedikal Cihazlar, Undergraduate, 2022 - 2023

Fizik I, Undergraduate, 2022 - 2023

Malzeme Karakterizasyon Teknolojileri ve Uygulamaları, Undergraduate, 2021 - 2022

Biyofabrikasyon, Undergraduate, 2022 - 2023

Model Tasarım II, Undergraduate, 2021 - 2022

Üç Boyutlu Tasarım ve Bilgisayarlı Çizim I, Undergraduate, 2021 - 2022

Model Tasarım III, Undergraduate, 2021 - 2022

Supervised Theses

Çalikoğlu Koyuncu A. C., Ulağ S., Polyaktik asit/Poly-hidroksi-Bütirat/İpek Fibroin Kullanılarak Sinir Ağı Eldesi ve Retinal Hastalıklarda Kullanılması, Postgraduate, S.Elif(Student), Continues

Ulağ S., Migren Tedavisine Yönelik Olarak Üç Boyutlu Üretilmiş Mikroigne ile Burundan Beyne Kontrollü İlaç Salımı, Doctorate, E.Zehra(Student), 2028

Ulağ S., Gündüz O., ANTİMİKROBİYAL AJAN KATKILI NANOFİBER YARA ÖRTÜSÜ ÜRETİLMESİ VE KARAKTERİZASYONU, Postgraduate, A.BARİ(Student), 2024

Ulağ S., Gülhan R., EPİLEPSİ TEDAVİSİNE YÖNELİK ETOSÜKSİMİD İÇEREN POLİLAKTİK ASİT/BİZMUT FERRİT FİBER YAPILARIN ÜRETİLMESİ VE KARAKTERİZASYONU, Postgraduate, İ.YİĞİT(Student), 2024

Ulağ S., GÜNDÜZ O., 3 Boyutlu Biyo-Basım ile GelMA Tabanlı Hibrit Doku İskelesi Üretimi ve Karakterizasyonu, Postgraduate, Z.AKDAĞ(Student), 2024

Yüca Yılmaz E., Ulağ S., FİBROİN TEMELLİ 3D BASKILI ANTİMİKROBİYAL YARA ÖRTÜLERİNİN GELİŞTİRİLMESİ, Postgraduate, A.GÜLLÜ(Student), 2024

Ulağ S., Gündüz O., 3 BOYUTLU BASKI YÖNTEMİNDE KULLANILABİLECEK SOL-GEL METHODU İLE SENTEZLENEN BİYOAKTİF CAM DOKU İSKELESİ GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Postgraduate, Y.TURAN(Student), 2023

Üstündağ C. B., Ulağ S., Kontrollü Salm Yapan İlaç Sistemlerinin 3 Boyutlu Yazıcılarla Üretimi, Postgraduate, Ş.İLGAR(Student), 2023

Ulağ S., Gündüz O., 3 BOYUTLU YAZICI İLE ANTİMİKROBİYAL MANGAN KATKILI KEMİK DOKU İSKELESİ ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, M.KOYUN(Student), 2023

Ulağ S., Yıldırım R., DOKU MÜHENDİSLİĞİ İÇİN MULTİFERROİK NANOPARTİKÜL YÜKLÜ DOKU İSKELELERİN 3B YAZICI İLE ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, M.MUSA(Student), 2023

Gündüz O., Ulağ S., 3B Yazıcı Teknoloji ile Antimikrobiyal Nar Ekstraktlı Dental Membrane Üretimi, Postgraduate, H.KARABULUT(Student), 2022

Gündüz O., Ulağ S., Whey Protein/E vitamini ile kaplanan Whey Protein/PVA nanofiber iskelenin kas erimesi tedavisindeki potansiyelinin incelenmesi, Postgraduate, K.İREM(Student), 2022

Gündüz O., Ulağ S., 3B YAZICI TEKNOLOJİ İLE YANIKLARIN TEDAVİSİ İÇİN YARA ÖRTÜSÜ ÜRETİMİ, Postgraduate, M.SEFA(Student), 2022

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2023

Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2023
Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2023
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2023
Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2023
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, May, 2023
Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Caffeic acid encapsulated 3D printed polycaprolactone/polyvinylpyrrolidone scaffolds for wound healing applications**
Zia M. K., Akdag Z., Asghar A., Celik S., Duman K., Bari T., Ulağ S., Dogan C., Gunduz O., Ikram F.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.107, pp.1-13, 2025 (SCI-Expanded)
- II. **3D-printable wound patch composed of vitamin E-enriched polylactic acid scaffolds**
Bayramicli İ., Nouri S., ULAĞ S., Ayran M., ŞAHİN A., GÜNDÜZ O.
MATERIALS LETTERS, vol.382, 2025 (SCI-Expanded)
- III. **Light-Processed 3D Bioprinting of Symbplepharon Rings Fortified with l-Ascorbic Acid for Ocular Tissue Engineering**
Ayran M., Goyuk Y., Tiryaki A., ULAĞ S., Koyuncu A. C., Turhan S. A., GÜNDÜZ O.
Macromolecular Materials and Engineering, vol.310, no.1, 2025 (SCI-Expanded)
- IV. **Production of microneedle patches coated with polyvinyl-alcohol/sucrose/gentamicin sulfate for skin treatment**
Mutlu M. E., Akdag Z., Pilavci E., ULAĞ S., DAĞLILAR S., GÜNDÜZ O.
Materials Letters, vol.378, 2025 (SCI-Expanded)
- V. **Production of Polyvinyl Alcohol/Amoxicillin – Chitosan/Collagen Hybrid Bilayer Membranes for Regeneration of Gingival Tissues**
Aydin A., Ulag S., Nouri S., Durasi E., Pelit Arayıcı P., Tınaz G. B., Güncü M. M., Cakir R., Gunduz O., Ustundag C. B.
Macromolecular Bioscience, vol.25, no.1, 2025 (SCI-Expanded)
- VI. **Public health challenges after the February 6 earthquakes: A comprehensive review of immediate and long-term impacts in Türkiye**
Koçer A. T., Akpek A., Vural A., Aslan A., Erkoç A., Özen A. M., Şahin A., Oktay A., Şenol A. A., Batioğlu-Karaaltın A., et al.
International Journal of Disaster Risk Reduction, vol.114, 2024 (SCI-Expanded)
- VII. **On-demand release of fucoïdan from 3D-printed cardiac scaffolds based on chitosan/silk fibroin/polyaniline**
Moradi A., Nouri S., ULAĞ S., GÜNDÜZ O.
Materials Letters, vol.373, 2024 (SCI-Expanded)
- VIII. **Advanced 3D printed bone scaffolds with sodium alginate/Tri-calcium phosphate/probiotic bacterial hydroxyapatite: Enhanced mechanical and biocompatible properties for bone tissue engineering**
Nouri S., Emtiazı G., ULAĞ S., GÜNDÜZ O., ÇALIKOĞLU KOYUNCU A. C., Roghanian R., Moradi A., Shafiei R., Tukay A., Sasmazel H. T.
Polymer, vol.311, 2024 (SCI-Expanded)
- IX. **Ethosuximide-loaded bismuth ferrite nanoparticles as a potential drug delivery system for the treatment of epilepsy disease**
Guldorum Y., Ayran M., Bulut B., Ilgar S., Ulag S., Kanlı Z., Aydın B., Gulhan R., Bedir T., Gunduz O., et al.
PLoS ONE, vol.19, no.9, 2024 (SCI-Expanded)
- X. **Development and Evaluation of Fucoïdan-Loaded Electrospun Polyvinyl Alcohol/Levan Nanofibers for Wound Dressing Applications**
Ismayilova N., Zia M. K., Akkaya H. S., Ulag S., Guldorum Y., Oner E. T., Ince E., Duta L., Gunduz O.
Biomimetics, vol.9, no.9, 2024 (SCI-Expanded)

- XI. **A new strategy for the treatment of middle ear infection using ciprofloxacin/amoxicillin-loaded ethyl cellulose/ polyhydroxybutyrate nanofibers**
Karabulut H., Xu D., Ma Y., Tut T. A., Ulag S., Pinar O., Kazan D., Guncu M. M., Sahin A., Wei H., et al.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.269, 2024 (SCI-Expanded)
- XII. **Influence of curing time on the experimental and numerical analysis of 3D printed gelatin methacryloyl (GELMA) membranes**
Ayran M., ULAĞ S., Ervan S., GÜNDÜZ O.
Materials Letters, vol.363, 2024 (SCI-Expanded)
- XIII. **Mapping the Influence of Solvent Composition over the Characteristics of Polylactic Acid Nanofibers Fabricated by Electrospinning**
Karabulut H., Unal S., Ulag S., Ficai A., Ficai D., Gunduz O.
ChemistrySelect, vol.9, no.17, 2024 (SCI-Expanded)
- XIV. **Greener Approaches to Combat Biofilm's Antimicrobial Resistance on 3D-Printed Materials: A Systematic Review**
Sebbar K., El Aabedy A., Ibsouda Koraichi S., Ulağ S., Gunduz O., Elabed S.
Coatings, vol.14, no.4, 2024 (SCI-Expanded)
- XV. **Salicylic acid-loaded gelatin methacryloyl (GELMA) microneedles as a potential drug delivery system in plant diseases**
Gulcan Ipek A., Berkay Ozarici H., Sayil U., Karabulut H., ULAĞ S., GÜNDÜZ O.
Materials Letters, vol.355, 2024 (SCI-Expanded)
- XVI. **Editorial: Biofabricated materials for tissue engineering**
Turkoglu Sasmazel H., GÜNDÜZ O., Ramalingam M., ULAĞ S.
Frontiers in Bioengineering and Biotechnology, vol.12, 2024 (SCI-Expanded)
- XVII. **Fabrication and In Vitro Characterization of Polycaprolactone/Graphene Oxide/Collagen Nanofibers for Myocardial Repair**
Karapehlivan S. S., Danisik M. N., Akdag Z., Yildiz E. N., Okoro O. V., Nie L., Shavandi A., ULAĞ S., ŞAHİN A., DUMLUDAĞ F., et al.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.309, no.1, 2024 (SCI-Expanded)
- XVIII. **Development of gallic acid-loaded ethylcellulose fibers as a potential wound dressing material.**
Croitoru A., Ayran M., Altan E., Karacelebi Y., Ulag S., Sahin A., Guncu M. M., Aksu B., Gunduz O., Tihăuan B., et al.
International journal of biological macromolecules, vol.253, no.Pt 5, pp.126996, 2023 (SCI-Expanded)
- XIX. **Advanced Applications of Silk-Based Hydrogels for Tissue Engineering: A Short Review**
Akdag Z., ULAĞ S., Kalaskar D. M., Duta L., GÜNDÜZ O.
Biomimetics, vol.8, no.8, 2023 (SCI-Expanded)
- XX. **Fabrication of Gentamicin Sulfate-Loaded 3D-Printed Polyvinyl Alcohol/Sodium Alginate/Gelatin-Methacryloyl Hybrid Scaffolds for Skin Tissue Replacement**
Izgordu M. S., Ayran M., ULAĞ S., Yildirim R., Bulut B., ŞAHİN A., Guncu M. M., AKSU M. B., GÜNDÜZ O.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.308, no.12, 2023 (SCI-Expanded)
- XXI. **Fucoidan-loaded electrospun Polyvinyl-alcohol/Chitosan nanofibers with enhanced antibacterial activity for skin tissue engineering.**
Puigmal A. C., Ayran M., Ulag S., Altan E., Guncu M. M., Aksu B., Durukan B. K., Sasmazel H. T., Perez R. A., Koc E., et al.
Journal of the mechanical behavior of biomedical materials, vol.148, pp.106163, 2023 (SCI-Expanded)
- XXII. **Biocompatible polyvinyl alcohol nanofibers loaded with amoxicillin and salicylic acid to prevent wound infections.**
Aydin A., Ulag S., Sahin A., Aksu B., Gunduz O., Ustundag C. B., Marinas I. C., Georgescu M., Chifiriuc M. C.
Biomedical materials (Bristol, England), vol.18, no.5, 2023 (SCI-Expanded)
- XXIII. **ALGINATE AND CHITOSAN COMPOSITE SCAFFOLD COATED WITH CURCUMIN NANOPARTICLES FOR DIABETIC WOUND HEALING**
Ayran M., Akdağ Z., Ulağ S., Gündüz O.
REVISTA ROMANA DE MATERIALE/ ROMANIAN JOURNAL OF MATERIALS, vol.53, no.3, pp.189-204, 2023 (SCI-Expanded)

- XXIV. **Gentamicin and fluconazole loaded electrospun polymethylmethacrylate (PMMA) fibers as a novel platform for the treatment of corneal keratitis**
GÜNDÜZ O., ULAĞ S.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.72, no.12, pp.995-1007, 2023 (SCI-Expanded)
- XXV. **In vitro electrically controlled amoxicillin release from 3D-printed chitosan/bismuth ferrite scaffolds**
Baykara D., Pilavci E., Ulag S., Okoro O. V., Nie L., Shavandi A., Çalikoğlu Koyuncu A. C., Ozakpınar Ö., Eroglu M., Gunduz O.
European Polymer Journal, vol.193, 2023 (SCI-Expanded)
- XXVI. **Controlled Delivery of Amoxicillin and Rifampicin by Three-Dimensional Polyvinyl alcohol/Bismuth Ferrite Scaffolds**
İlgar S., ULAĞ S., ŞAHİN A., GÜNDÜZ O., Ustundag C. B.
CHEMISTRYSELECT, vol.8, no.18, 2023 (SCI-Expanded)
- XXVII. **A Novel Approach for the Fabrication of 3D-Printed Dental Membrane Scaffolds including Antimicrobial Pomegranate Extract**
Karabulut H., Ulag S., Dalbayrak B., Arisan E. D., Taskin T., Guncu M. M., Aksu B., Valanezhad A., Gunduz O.
PHARMACEUTICS, vol.15, no.3, 2023 (SCI-Expanded)
- XXVIII. **Electrically Triggered Quercetin Release from Polycaprolactone/Bismuth Ferrite Microfibrous Scaffold for Skeletal Muscle Tissue**
Ayran M., Karabulut H., Deniz K. I., Akcanli G. C., Ulag S., Croitoru A., Tihăuan B., Sahin A., Fikai D., Gunduz O., et al.
PHARMACEUTICS, vol.15, no.3, 2023 (SCI-Expanded)
- XXIX. **Controlled Release of Gentamicin from Electrospun Poly(Vinyl Alcohol)/Gelatin Nanofibers: The Effect of Crosslinking Time Using Glutaraldehyde Vapor**
Baykara D., Pilavci E., Cesur S., İlhan E., ULAĞ S., ŞENGÖR M., Kijeńska-Gawrońska E., GÜNDÜZ O.
ChemistrySelect, vol.8, no.5, 2023 (SCI-Expanded)
- XXX. **Technoeconomic Assessment of Biopolymer Production from Crustacean Waste with the UK as a Case Study**
Okoro O. V., Nie L., GÜNDÜZ O., ULAĞ S., Hamidi M., Shavandi A.
Sustainability (Switzerland), vol.15, no.3, 2023 (SCI-Expanded)
- XXXI. **Fabrication of ethosuximide loaded alginate/polyethylene oxide scaffolds for epilepsy research using 3D-printing method**
Karabulut H., Dutta A., Moukbil Y., Cisen Akyol A., ULAĞ S., Aydın B., GÜLHAN R., US Z., Kalaskar D. M., GÜNDÜZ O.
Frontiers in Bioengineering and Biotechnology, vol.11, 2023 (SCI-Expanded)
- XXXII. **Investigation of the properties of encapsulated hydrophilic and hydrophobic drugs in whey protein microparticles**
Irem Deniz K., Ulağ S., Gündüz O.
Materials Letters, vol.324, 2022 (SCI-Expanded)
- XXXIII. **Evaluation of Diced Cartilage Grafts Shaped with Three-Dimensionally-Printed Bioresorbable Polycaprolactone Molds**
Canli M., Karasoy Yeşilada A., ULAĞ S., Dobral A., Yalçın Ö., GÜNDÜZ O.
Plastic and reconstructive surgery, vol.150, no.4, 2022 (SCI-Expanded)
- XXXIV. **3D-Printed PCL Scaffolds Combined with Juglone for Skin Tissue Engineering**
Ayran M., Dirican A., Saatcioglu E., Ulag S., Sahin A., Aksu B., Croitoru A., Fikai D., Gunduz O., Fikai A.
Bioengineering, vol.9, no.9, 2022 (SCI-Expanded)
- XXXV. **Fabrication of Electrospun Juglans regia (Juglone) Loaded Poly(lactic acid) Scaffolds as a Potential Wound Dressing Material**
ALTAN E., Karacelebi Y., Saatcioglu E., ULAĞ S., ŞAHİN A., AKSU M. B., Croitoru A., Codrea C. I., Fikai D., GÜNDÜZ O., et al.
POLYMERS, vol.14, no.10, 2022 (SCI-Expanded)
- XXXVI. **Electrosprayed Collagen/Gentamicin nanoparticles coated microneedle patches for skin treatment**

- Mutlu M. E., Ulag S., ŞENGÖR M., DAĞLILAR S., Narayan R., GÜNDÜZ O.
MATERIALS LETTERS, vol.305, 2021 (SCI-Expanded)
- XXXVII. **Investigation of 3D-Printed Polycaprolactone-/Polyvinylpyrrolidone-Based Constructs**
Izgordu M. S., Uzgur E. I., Ulag S., Şahin A., Yilmaz B., Kilic B., Ekren N., Oktar F. N., Gündüz O.
CARTILAGE, vol.13, no.2_SUPPL, 2021 (SCI-Expanded)
- XXXVIII. **Development and in vitro evaluation of biocompatible pla-based trilayer nanofibrous membranes for the delivery of nanoceria: A novel approach for diabetic wound healing**
Hussein M. A. M., Su S., Ulag S., Woźniak A., Grinholc M., Erdemir G., Kuruca S. E., GÜNDÜZ O., Muhammed M., El-Sherbiny I. M., et al.
Polymers, vol.13, no.21, 2021 (SCI-Expanded)
- XXXIX. **Recent developments and characterization techniques in 3D printing of corneal stroma tissue**
Ulag S., Uysal E., Bedir T., ŞENGÖR M., EKREN N., ÜSTÜNDAĞ C. B., Midha S., Kalaskar D. M., GÜNDÜZ O.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.8, pp.3287-3296, 2021 (SCI-Expanded)
- XL. **Electrically Triggered Drug Delivery from Novel Electrospun Poly(Lactic Acid)/Graphene Oxide/Quercetin Fibrous Scaffolds for Wound Dressing Applications**
Croitoru A., Karaçelebi Y., Saatcioglu E., Altan E., Ulag S., Aydoğan H. K., Sahin A., Motelica L., Oprea O., Tihauan B., et al.
PHARMACEUTICS, vol.13, no.7, 2021 (SCI-Expanded)
- XLI. **Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis**
Ulag S., İlhan E., Demirhan R., Sahin A., Yilmaz B., Aksu B., Sengor M., Fikai D., Titu A. M., Fikai A., et al.
MOLECULES, vol.26, no.9, 2021 (SCI-Expanded)
- XLII. **Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration**
Saatcioglu E., Ulag S., Şahin A., Yılmaz B., Ekren N., İnan A. T., Palacı Y., Üstündağ C. B., Gündüz O.
EUROPEAN POLYMER JOURNAL, vol.148, 2021 (SCI-Expanded)
- XLIII. **Effect of electric stimulus on human adipose-derived mesenchymal stem cells cultured in 3D-printed scaffolds**
Bedir T., Ulag S., Aydogan K., Şahin A., Yilmaz B., Güvenç Y., Bozlar M., Üstündağ C. B., Gündüz O.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.3, pp.1114-1125, 2021 (SCI-Expanded)
- XLIV. **Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology**
İlhan E., Ulag S., Sahin A., Yilmaz B., Ekren N., Kılıç O., Şengör M., Kalaskar D. M., Oktar F. N., Gündüz O.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.114, 2021 (SCI-Expanded)
- XLV. **Chitosan/Gold Hybrid Nanoparticles Enriched Electrospun PVA Nanofibrous Mats for the Topical Delivery of Punica granatum L. Extract: Synthesis, Characterization, Biocompatibility and Antibacterial Properties**
Mohamady Hussein M. A., Ulag S., Abo Dena A. S., Sahin A., Grinholc M., Gunduz O., El-Sherbiny I., Megahed M.
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.16, pp.5133-5151, 2021 (SCI-Expanded)
- XLVI. **Fabrication of three-dimensional PCL/BiFeO₃ scaffolds for biomedical applications**
Ulag S., Kalkandelen C., Bedir T., Erdemir G., Kuruca S. E., Dumludag F., Ustundag C. B., Rayaman E., Ekren N., Kilic B., et al.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.261, 2020 (SCI-Expanded)
- XLVII. **3D Propolis-Sodium Alginate Scaffolds: Influence on Structural Parameters, Release Mechanisms, Cell Cytotoxicity and Antibacterial Activity**
Aranci K., Uzun M., Su S., Cesur S., Ulag S., Amin A., Guncu M., Aksu B., Kolayli S., Ustundag C., et al.
Molecules, vol.25, no.21, 2020 (SCI-Expanded)
- XLVIII. **3D printing of PVA/hexagonal boron nitride/bacterial cellulose composite scaffolds for bone tissue engineering**
Aki D., Ulag S., ÜNAL S., ŞENGÖR M., EKREN N., Lin C., YILMAZER H., ÜSTÜNDAĞ C. B., Kalaskar D. M., GÜNDÜZ O.
MATERIALS & DESIGN, vol.196, 2020 (SCI-Expanded)
- XLIX. **Production and characterization of elastomeric cardiac tissue-like patches for Myocardial Tissue**

Engineering

Cesur S., Ulag S., Ozak L., Gumussoy A., Arslan S., Yilmaz B. K., Ekren N., Agirbasli M., Kalaskar D. M., Gündüz O. POLYMER TESTING, vol.90, 2020 (SCI-Expanded)

- L. **3D printed artificial cornea for corneal stromal transplantation**
Ulag S., Ilhan E., Şahin A., Karademir Yilmaz B., Kalaskar D. M., Ekren N., Kılıç O., Nuzhet Oktar F. N., Gündüz O. EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- LI. **3D bioprinting applications in neural tissue engineering for spinal cord injury repair**
Bedir T., Ulag S., Üstündağ C. B., Gündüz O. MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.110, 2020 (SCI-Expanded)
- LII. **3D Printing of Gelatine/Alginate/beta-Tricalcium Phosphate Composite Constructs for Bone Tissue Engineering**
Kalkandelen C., Ulag S., Ozbek B., Eroglu G. O., Ozerkan D., Kuruca S. E., Oktar F. N., Sengor M., Gündüz O. CHEMISTRYSELECT, vol.4, no.41, pp.12032-12036, 2019 (SCI-Expanded)
- LIII. **3D Printing Artificial Blood Vessel Constructs Using PCL/Chitosan/Hydrogel Biocomposites**
Ulag S., Kalkandelen C., OKTAR F. N., UZUN M., ŞAHİN Y. M., KARADEMİR B., Arslan S., Ozbolat I. T., Mahirogullari M., GÜNDÜZ O. CHEMISTRYSELECT, vol.4, no.8, pp.2387-2391, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development of 3D-printed PCL scaffolds enriched with hyaluronic acid and gallic acid for wound dressing**
Guldorum Y., Danisik M. N., Zia M. K., Aldemir N., Ulağ S., Bicer L., Kaya E., Sahin A., Tinaz G. B., Gunduz O. Emergent Materials, 2025 (ESCI)
- II. **3D-printed polylactic acid (PLA)/polymethyl silsesquioxane (PMSQ)-based scaffolds coated with vitamin E microparticles for the application of wound healing**
Anjrini N., Karabulut H., Ulağ S., Ege H., Noberi C., Dogan E., Sahin A., Gündüz O. Emergent Materials, vol.1, pp.1-10, 2024 (ESCI)
- III. **Electrospun composite nanofibers for treating infectious esophagitis**
Koyun M., Sulutas R. B., Turan Y., Karabulut H., Moradi A., Ozarici H. B., ULAĞ S., ŞAHİN A., Guncu M. M., GÜNDÜZ O. EMERGENT MATERIALS, vol.6, pp.1549-1561, 2023 (ESCI)
- IV. **Kalp Kası Enfeksiyonlarına Yönelik Üç Boyutlu Biyofonksiyonel Doku İskelesi Üretimi ve Karakterizasyonu**
Ulağ S. International journal of advances in engineering and pure sciences (Online), vol.35, no.3, pp.338-345, 2023 (Peer-Reviewed Journal)
- V. **Recent advances in health biotechnology during pandemic**
ARI Yuka S., Akpek A., Özarslan A., Vural A., Koçer A. T., ASLAN A., Karaaltın A. B., Gök B., Yılmaz B. B., İNAN B., et al. Sigma Journal of Engineering and Natural Sciences, vol.41, no.3, pp.625-655, 2023 (ESCI)
- VI. **Fabrication of Amphotericin-B-loaded Sodium Alginate Nanoparticles for Biomedical Applications**
ULAĞ S., Celik S. E., ŞENGÖR M., GÜNDÜZ O. BIONANOSCIENCE, vol.12, no.4, pp.1230-1237, 2022 (ESCI)
- VII. **A novel approach to treat the Thiel-Behnke corneal dystrophy using 3D printed honeycomb-shaped polymethylmethacrylate (PMMA)/Vancomycin (VAN) scaffolds**
Ulag S., ŞAHİN A., Guncu M. M., AKSU M. B., EKREN N., ŞENGÖR M., Kalaskar D. M., GÜNDÜZ O. Bioprinting, vol.24, 2021 (Scopus)
- VIII. **3D printing of Osage orange extract/Chitosan scaffolds for soft tissue engineering**
SAATÇIOĞLU E., KOYUN M., ULAĞ S., ŞAHİN A., YILMAZ B., AKSU M. B., GÜNDÜZ O. FOOD HYDROCOLLOIDS FOR HEALTH, vol.1, 2021 (ESCI)

Books

- I. **3D-Bioprinting of Eye**
İlgar Ş., Ayran M., Baykara D., Ulağ S., Gündüz O.
in: Compendium of 3D Bioprinting Technology, P.V. Mohanan, Editor, Taylor & Francis Ltd, London, pp.238-260, 2025
- II. **Functionalized bilosomes for cancer therapy**
Ulağ S., Gündüz O.
in: Functionalized Nanomaterials for Cancer Research, Hamed Barabadi,Chaudhery Mustansar Hussain,Ebrahim Mostafavi, Editor, Academic Press , Amsterdam, pp.197-217, 2024
- III. **Bioprinting**
Ulağ S.
in: Biomaterials and Tissue Engineering , Oguzhan Gunduz,Christophe Egles,Román A. Pérez,Denisa Fikai,Cem Bulent Ustundag, Editor, Springer Nature, Basel, pp.357-384, 2023
- IV. **Characterization of scaffolds for neural tissue engineering**
Ulağ S.
in: Biomaterials for Neural Tissue Engineering, Oguzhan Gunduz,Cem Bulent Ustundag, Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.343-365, 2023
- V. **Microfluidic systems for neural tissue engineering**
Cesur S., Ulağ S., Gündüz O.
in: Biomaterials for Neural Tissue Engineering, Oguzhan Gunduz,Cem Bulent Ustundag and Mustafa Sengor, Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.125-149, 2023
- VI. **Quantum Dot-Based Nanomaterials for Diagnostic and Therapeutic Applications.**
Ulağ S.
in: Pharmaceutical Nanobiotechnology for Targeted Therapy. Nanotechnology in the Life Sciences, Hamed Barabadi,Ebrahim Mostafavi, Editor, Springer Nature, Altdorf, pp.429-453, 2022
- VII. **Gel-Inks for 3D Printing in Corneal Tissue Engineering**
Ulağ S.
in: 3D printable Gel-inks for Tissue Engineering Chemistry, Processing, and Applications, Anuj Kumar,Stefan Ioan Voicu,Vijay Kumar Thakur, Editor, Springer, London/Berlin , Dubendorf, pp.161-190, 2021

Papers Published in Refereed Scientific Meetings

- I. **DERİ HASTALIKLARINA YÖNELİK POLİÜRETAN FİLM TABAKASININ ÜRETİMİ VE KARAKTERİZASYONU**
Atukeren E. Z., Tiryaki A., Ulağ S., Yılmaz Öztürk R.
8th INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, İstanbul, Turkey, 3 - 05 December 2024, pp.100-101
- II. **Fabrication of ethosuximide loaded polycaprolactone/bismuth ferrite-based 3D-printed scaffolds and controlled drug release in electric field for the treatment of epilepsy**
Akyol A. Ç., Özdemir E., Karabulut H., Ulağ S., Kanlı Z., Aydın Omay B., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2024 – Summer Edition, Bucuresti, Romania, 19 - 21 June 2024, pp.48-49
- III. **Synthesis, characterization and In-vitro investigation of the activity of Doxorubicin-loaded PLA-based nanofibers**
Ismayilova N., Ulağ S., Şahin A., Barlas F. B., İnce E., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2024 – Summer Edition, Bucuresti, Romania, 19 - 21 June 2024, pp.101-102
- IV. **Antimicrobial and biodegradable electrospun nanofiber composite for wound dressing**
Yağub A. B., Ayran M., Kaya E., Tiryaki A., Ulağ S., Tınaz G., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2024 – Summer Edition, Bucuresti, Romania, 19 - 21 June 2024, pp.35-36

- V. **Gelatin Methacryloyl (GELMA) Microneedles for Localized Delivery of Antiepileptic Drugs Loaded on Bismuth Ferrite (BFO) and Polylactic-co-Glycolic Acid (PLGA) Particles**
Güldörüm Y., İlgar Ş., Akdağ Z., Pilavcı E., Ulağ S., Alarçin E., Akkaya A., Aydın Omay B., Kanlı Z., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2024 – Summer Edition, Bucuresti, Romania, 19 - 21 June 2024, pp.140-141
- VI. **DİRENÇLİ EPİLEPSİ TEDAVİSİNE YÖNELİK ENJEKTE EDİLEBİLİR FENİTOİN-PLGA NANOPARTİKÜL YÜKLÜ SİLKMA HİDROJELİNİN ÜRETİMİ VE KARAKTERİZASYONU**
Baykara D., Ulağ S., Alarçin E., Gündüz O., Aydın Omay B.
4. ULUSAL BİLİMSEL ARAŞTIRMALAR KONGRESİ , Ankara, Turkey, 16 - 17 July 2024, pp.105-106
- VII. **ELEKTROEĞRİLMİŞ POLİÜRETAN-BAZLI NANOFİBER YAPILARIN ÜRETİMİ VE KARAKTERİZASYONU**
Ulağ S., Pilavcı E., İlgar Ş., Akdağ Z., Çakır R., Gündüz O.
4.ULUSAL BİLİMSEL ARAŞTIRMALAR KONGRESİ, Ankara, Turkey, 16 - 17 July 2024, pp.44-45
- VIII. **SALICYLIC ACID-LOADED GELATIN METHACRYLOYL (GELMA)/KERATIN METHACRYLATE MICRONEEDLES AS A POTENTIAL DRUG DELIVERY SYSTEM IN PLANT DISEASES**
Özarıcı H. B., Topçu B., Ulağ S., Gündüz O.
5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Bursa, Turkey, 1 - 03 March 2024
- IX. **316L PASLANMAZ ÇELİĞİN ELEKTROPÜSKÜRTME TEKNİĞİ İLE ANTİMİKROBİYAL İLAÇ VE HİDROKSİAPATİT YÜKLÜ POLİAKTİK ASİT PARTİKÜL İLE KAPLANMASI**
Öztürk O., Dağlılar S., Ulağ S., Gündüz O., İlgar Ş., Tınaz G., Kaya E.
5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Bursa, Turkey, 1 - 03 March 2024, pp.857-864
- X. **FİBROİN TEMELLİ 3D BASILI ANTİMİKROBİYAL YAMALAR**
Kıhrı A. G., Ulağ S., Gündüz O., Yüca Yılmaz E.
7th INTERNATIONAL HEALTH SCIENCE AND LIFE CONGRESS (IHSLC 2024), 7 - 09 March 2024, pp.85
- XI. **Fabrication and Characterisation of GelMA/Keratin and GelMA/KerMA Hybrid Tissue Scaffolds by 3D Bioprinting**
Akdag Z., Baykara D., Gündüz O., Ulağ S.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Winter Edition, Bucuresti, Romania, 22 - 24 November 2023, pp.77
- XII. **Production of Individualized Symblepharon Rings**
Ayran M., Goyuk Y., Tiryaki A., Ulağ S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Winter Edition, Bucuresti, Romania, 22 - 24 November 2023, pp.79
- XIII. **EPILEPSİ TEDAVİSİNDE KONTROLLÜ VALPROAT SALIMI İÇİN HİDROJEL TABANLI MİKROİĞNELERİN GELİŞTİRİLMESİ**
US Z., Kanlı Z., AYDIN Omay B., GÜLHAN R., İlgar S., Guldorum Y., GÜNDÜZ O., ULAĞ S.
2. ULUSLARARASI 27. ULUSAL FARMAKOLOJİ KONGRESİ 2 nd INTERNATIONAL AND 27th NATIONAL PHARMACOLOGY CONGRESS, Turkey, 23 November 2023
- XIV. **Development of Microparticles Containing Polylactic Acid/Bioactive Glass/Caffeic Acid**
Ulağ S.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 26 - 30 June 2023, pp.50-51
- XV. **Production of Essential Oil Coated Polycaprolactone Scaffold with Antibacterial Properties**
Ulağ S.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 26 - 30 June 2023, pp.105-106
- XVI. **Fabrication and Characterization of Polylactic Acid/Hyaluronic Acid/Collagen Nanofibers for Tendon Tissue Engineering**
Ulağ S.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition,

Bucuresti, Romania, 26 - 30 June 2023, pp.114-115

XVII. Characterizations of Ethosuximide-Loaded Bismuth Ferrite Nanoparticles for the Potential Treatment of Epilepsy

Ulağ S.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 26 - 30 June 2023, pp.47-48

XVIII. Development and Characterization of 3D-Printed Bioactive Glass-Doped Scaffolds

Ulağ S.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 26 - 30 June 2023, pp.110-111

XIX. Vitamin E Microparticles Coated on 3D Polylactic Acid (PLA)/Polymethylsilsesquioxane (PMSQ) Scaffold For Wound Healing Applications

Ulağ S.

“Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.53-54

XX. Antibiotic-Loaded Polylactic Acid Fibers for the Treatment of Skin Infections

Ulağ S.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 26 - 30 June 2023, pp.81-82

XXI. 3D Printing of Scaffolds for Bone Tissue Engineering Based on Bacterial Hydroxyapatite

Nouri S., Çalıkoğlu Koyuncu A. C., Ulağ S., Gündüz O., Emtiazi G.

Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat2023, Bucuresti, Romania, 28 - 30 June 2023, pp.1-2

XXII. Fabrication and Characterization of Electrospun Polylactic Acid/B-KerMA Nanofibers for Wound Dressing Applications

Akdağ Z., Yıldız E. N., Ulağ S., Çalık H., Ayran M. M., Yıldırım R., Çakır R., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.56-57

XXIII. Vitamin E Particles Coated on PLA/PMS-MK Based Scaffold for Wound Healing

Anjrini N., Ulağ S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.53-54

XXIV. Ethosuximide-Loaded Alginate/Polyethylene Oxide 3D-Printed Scaffolds for Epilepsy Treatment

Ulağ S.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.45-46

XXV. Fabrication of Electrospun Polylactic Acid/Polyhydroxybutyrate/Silk Fibroin Nanofibers to Obtain Retinal Nerve Fiber Layer

Ulağ S.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.44-45

XXVI. Fabrication of Vitamin E Loaded 3D-printed Sodium Alginate/Xanthan Gum Scaffolds for Wound Healing Applications

Labonc N. F., Puşcaşu A., Moraru A., Altan E., Ulağ S., Fici A., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.102

XXVII. Ferrostatin-Loaded Polylactic Acid/Tricalcium Phosphate Microparticles for Bone Tissue Engineering

Moraru A., Puşcaşu A., Labonc N. F., Altan E., Ulağ S., Valanezhad A., Fici A., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.102

- XXVIII. **Investigation of Antimicrobial and Biofilm Properties of 3D Alginate/Polyethylene Glycol/Phenethyl Alcohol Scaffolds.**
Aslan S. N., Altan E., ULAĞ S., GÜNDÜZ O., TINAZ G.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022: winter session, Bükreş, Romania, 24 - 26 November 2022
- XXIX. **Fabrication of 3D Scaffolds with Antibacterial and Antibiofilm Properties for the Treatment of Chronic Wounds.**
Canlı F., Anılır T. O., Demir Y. Z., Ilgar Ş., Tınaz G., Ulağ S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, Bucuresti, Romania, 24 - 26 November 2022, pp.9
- XXX. **Curcumin Loaded Ethyl Cellulose Microparticles on 3D Scaffolds for Diabetic Wound Healing**
Ayran M. M., Ulağ S., Yıldırım R., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, Bucuresti, Romania, 22 - 24 June 2022, pp.60
- XXXI. **Production of 3D Printed Dental Membrane Scaffold Reinforced with Pomegranate Extract**
Karabulut H., Ulağ S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.64
- XXXII. **Fabrication of PLA/PVA/Graphene Oxide Nanofibers for Biomedical Applications**
Altun F., ŞENGÖR M., ULAĞ S., GÜNDÜZ O.
APPLICATIONS OF CHEMISTRY IN NANOSCIENCES AND BIOMATERIALS ENGINEERING, Romania, 22 - 24 June 2022
- XXXIII. **3D-Printed Cardiac Patches Based on Fabrication and Characterization of Fucoïdan-Loaded Chitosan/Silk Fibroin/PANI Scaffolds**
Moradi A., Deniz K. İ., Ulağ S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.55
- XXXIV. **Antifungal and Antibiotic Reinforced PMMA Nanofibers for the Treatment of Corneal Keratitis**
ULAĞ S., ŞENGÖR M., GÜNDÜZ O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021, Romania, 25 - 26 June 2021
- XXXV. **Fabrication, Characterization and Investigation of Antibacterial Activity of Propolis Substituted Sodium Alginate Tissue Scaffolds Using Three-Dimensional (3D) Printing Technology**
Arancı K., Uzun M., Su Torun S., Cesur S., Ulağ S., Amin A., Güncü M. M., Aksu M. B., Kolaylı S., Silva J., et al.
5th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry , Antalya, Turkey, 3 - 05 June 2021, pp.1-8
- XXXVI. **Production of 3D-Printed Tympanic Membrane Scaffolds as a Tissue Engineering Application**
Ilhan E., Ulağ S., Şahin A., Ekren N., Kılıç O., Oktar F. N., Gündüz O.
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain, 6 - 08 May 2020, vol.12108 LNBI, pp.175-184
- XXXVII. **Patch-Based Technology for Corneal Microbial Keratitis**
Ulağ S., Ilhan E., Aksu B., ŞENGÖR M., EKREN N., KILIÇ O., GÜNDÜZ O.
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain, 6 - 08 May 2020, vol.12108 LNBI, pp.194-200
- XXXVIII. **Construction of Artificial Blood Vessels with 3D Printing using PCL/Chitosan/Hydrogel Biocomposites**
Ulağ S., Kalkandelen C., Oktar F. N., Uzun M., Şahin Y. M., Karademir B., Arslan S., Kılıç O., Ekren N., Gündüz O.
IWBBIO 2019 International work-conference on Bioinformatics and biomedical engineering, Granada, Spain, 8 - 10 May 2019, vol.1, pp.230-231

Supported Projects

- Ulađ S., Aydın Omay B., Gündüz O., Ekren N., Gülhan R., TUBITAK Project, Nöron Hasarına Yol Açan Hastalıkların Tanı, Tedavi ve İzlemine Yönelik Biyobelirteç ve İleri Teknolojik Uyarı Sistemlerinin Geliştirilmesi, 2023 - 2027
- Atukeren E. Z., Ulađ S., Ünal Yıldırım S., TUBITAK Project, Üç Boyutlu Mikroıđne ile Burundan Beyne İlaç Salımı: Migren Tedavisine Yeni Bir Yaklaşım, 2025 - 2026
- Çakır R., Ulađ S., Çalık H., Yılmaz Öztürk R., Project Supported by Higher Education Institutions, Melanoma Tedavisine Yönelik Bakteriyel Mini Hücre Yüklü Mikroıđnelerin In Vitro Antikanser Etkinliğinin Deđerlendirilmesi, 2024 - 2026
- Ulađ S., Gündüz O., Çam M. E., Çalık H., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Deri Hastalıklarına Yönelik Yerli Yara Örtüsü Üretimi, 2024 - 2026
- Aydın Omay B., Ulađ S., Gülhan R., Turgan Aşık Z. N., Us Z., Kirazlı Ö., Akakın D., Şehirli Ü. S., Eryiđit Karamahmutođlu T., Yananlı H. R., Project Supported by Higher Education Institutions, Dirençli epilepsi tedavisinde kontrollü ilaç salımı yapan ilaç yüklü GelgpoliNIPAA hidrojel bazlı mikroıđne ve ilaç yüklü ipek fibroin SilkMa bazlı enjekte edilebilir hidrojellerin kullanımı, 2023 - 2026
- Ulađ S., Gündüz O., Çalıkođlu Koyuncu A. C., Emergency R&D Project of Group A, Cilt Kanserine Yönelik Fucoıdan Katkı PLA/KerMA Doku İskelesi Üretimi ve Karakterizasyonu, 2024 - 2025
- Ulađ S., Gündüz O., Emergency R&D Project of Group A, Enjekte Edilebilir, Glutasyon ve Dođal Zeolit Katkı GelMA/Kitosan Hidrojeli Bazlı Yara Pansumanı Materyali, 2024 - 2025
- Ulađ S., Project Supported by Higher Education Institutions, 3 Boyutlu BiyoBasım ile GelMA Tabanlı Doku İskelesi Üretimi ve Karakterizasyonu, 2023 - 2024
- Ulađ S., Project Supported by Higher Education Institutions, Epilepsi Tedavisine Yönelik Etosüksimid İçeren Polilaktik Asit Bizmut Ferrit Nanofiber Yapıların Üretilmesi ve Karakterizasyonu, 2023 - 2024
- Ulađ S., Gündüz O., Ekren N., TUBITAK Project, Bitki Hastalıklarına Yönelik Salisilik Asit Yüklü Ker-Ma Bazlı Mikroıđnelerin Üretimi Ve Karakterizasyonu, 2023 - 2024
- Ekren N., Ulađ S., Gündüz O., Other International Funding Programs, Connect4Innovation: UK-Turkey HigherEducation Institutional Partnerships Fund2022-2024, 2022 - 2024
- Çalıkođlu Koyuncu A. C., Ulađ S., Çam M. E., Akkaya Turhan S., Gündüz O., TUBITAK Project, Kişiyeye Özgü Semblefaron Halkalarının Üretilmesi, 2022 - 2024
- Ulađ S., R&D Project of Group B, Glutasyon Terapötik Ajan İçeren Transdermal Membran Üretimi ve Biyoaktif Ajanların Franz Difüzyon Salım Kinetiđi Matematiksel Modellere Uygulanması, Bilgisayar Simülasyonu İncelenmesi, 2022 - 2024
- Ekren N., Gündüz O., Ulađ S., R&D Project of Group B, 3 Boyutlu Yazıcı Teknolojisi ile Antimikrobiyal Nar Ekstrakt Yüklü Dental Membran, 2022 - 2024
- Ulađ S., Project Supported by Higher Education Institutions, Doku Mühendisliđi için Multiferroik Nanopartikül Yüklü Doku İskelelerin 3B Yazıcı ile Üretimi ve Karakterizasyonu, 2022 - 2023
- Çalıkođlu Koyuncu A. C., Gündüz O., Ekren N., Ulađ S., Gündüz S., Erasmus Project, Creating a virtual laboratory for online teaching, 2021 - 2023

Activities in Scientific Journals

- FRONTIERS, Special Issue Editor, 2023 - Continues
- PHARMACEUTICS, Special Issue Editor, 2023 - Continues

Metrics

- Publication: 106
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- H-Index (Scopus): 16

Scholarships

YÖK 100/2000, YOK, 2018 - 2021

Awards

Ulağ S., Waste Recycled Biomaterial Loaded 3D-Printed Chitosan Scaffold, The Second International Invention And Innovation Competition For Ifia Inv Members, August 2022