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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

Nanoteknolojiye Giriş, Doctorate, 2023 - 2024

Üretim Teknolojileri ve Uygulamaları, Undergraduate, 2023 - 2024

Fizik II, Undergraduate, 2022 - 2023
Nanofiber Malzemesi Üretimi ve Karakterizasyonu, Doctorate, 2022 - 2023
Diferansiyel Denklemler, Undergraduate, 2022 - 2023
Sağlık Alanında Üç Boyutlu Yazıcılar, Postgraduate, 2022 - 2023
Biyomedikal Cihazlar, Undergraduate, 2022 - 2023
Fizik I, Undergraduate, 2022 - 2023
Mikro/Nano Fiber Üretimi ve Karakterizasyonu, Postgraduate, 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

Advising Theses

Ulaş S., EPİLEPSİ TEDAVİSİNE YÖNELİK ETOSÜKSİMİD İÇEREN POLİLAKTİK ASİT/BİZMUT FERRİT FİBER YAPILARIN ÜRETİLMESİ VE KARAKTERİZASYONU, Postgraduate, İ.YİĞİT(Student), 2024
Ulaş S., GÜNDÜZ O., 3 Boyutlu Biyo-Basım ile GelMA Tabanlı Hibrit Doku İskelesi Üretimi ve Karakterizasyonu, Postgraduate, Z.AKDAĞ(Student), 2024
Ulaş S., DOKU MÜHENDİSLİĞİ İÇİN MULTİFERROİK NANOPARTİKÜL YÜKLÜ DOKU İSKELELERİN 3B YAZICI İLE ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, M.MUSA(Student), 2023
Ulaş S., Kontrollü Salm Yapan İlaç Sistemlerinin 3 Boyutlu Yazıcılarla Üretimi, Postgraduate, Ş.İLGAR(Student), 2023
Ulaş S., 3 BOYUTLU YAZICI İLE ANTİMİKROBİYAL MANGAN KATKILI KEMİK DOKU İSKELESİ ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, M.KOYUN(Student), 2023
Ulaş S., 3 BOYUTLU BASKI YÖNTEMİNDE KULLANILABİLECEK SOL-GEL METHODU İLE SENTEZLENEN BİYOAKTİF CAM DOKU İSKELESİ GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Postgraduate, Y.TURAN(Student), 2023
Ulaş S., 3B Yazıcı Teknoloji ile Antimikrobiyal Nar Ekstraktlı Dental Membrane Üretimi, Postgraduate, H.KARABULUT(Student), 2022
Ulaş S., 3B YAZICI TEKNOLOJİ İLE YANIKLARIN TEDAVİSİ İÇİN YARA ÖRTÜSÜ ÜRETİMİ, Postgraduate, M.SEFA(Student), 2022
Ulaş S., Whey Protein/E vitamini ile kaplanan Whey Protein/PVA nanofiber iskelenin kas erimesi tedavisindeki potansiyelinin incelenmesi, Postgraduate, K.İREM(Student), 2022

Jury Memberships

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

1. 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., Ulaş S., Pinar O., Kazan D., Guncu M. M., Sahin A., Wei H., et al.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.269, 2024 (SCI-Expanded)

- II. **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)
- III. **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)
- IV. **Greener Approaches to Combat Biofilm's Antimicrobial Resistance on 3D-Printed Materials: A Systematic Review**
Sebbar K., El Aabedy A., Ibnsouda Koraichi S., Ulağ S., Gunduz O., Elabed S.
Coatings, vol.14, no.4, 2024 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **Light-Processed 3D Bioprinting of Symblepharon 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, 2024 (SCI-Expanded)
- IX. **Development of gallic acid-loaded ethylcellulose fibers as a potential wound dressing material.**
Croitoru A., Ayran M., Altan E., Karacebi 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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)

- XV. **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)
- XVI. **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., Çalıkoğlu Koyuncu A. C., Ozakpinar Ö., Eroglu M., Gunduz O.
European Polymer Journal, vol.193, 2023 (SCI-Expanded)
- XVII. **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)
- XVIII. **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)
- XIX. **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., Ficai D., Gunduz O., et al.
PHARMACEUTICS, vol.15, no.3, 2023 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **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., Aydin B., GÜLHAN R., US Z., Kalaskar D. M., GÜNDÜZ O.
Frontiers in Bioengineering and Biotechnology, vol.11, 2023 (SCI-Expanded)
- XXIII. **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)
- XXIV. **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)
- XXV. **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., Ficai D., Gunduz O., Ficai A.
Bioengineering, vol.9, no.9, 2022 (SCI-Expanded)
- XXVI. **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., Ficai D., GÜNDÜZ O., et al.
POLYMERS, vol.14, no.10, 2022 (SCI-Expanded)

- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration**
Saatcioglu E., Ulag S., Şahin A., Yilmaz B., Ekren N., İnan A. T., Palacı Y., Üstündağ C. B., Gündüz O.
EUROPEAN POLYMER JOURNAL, vol.148, 2021 (SCI-Expanded)
- XXXIV. **Effect of electric stimulus on human adipose-derived mesenchymal stem cells cultured in 3D-printed scaffolds**
Bedir T., Ulag S., Aydoğan 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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)

- XL. 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)
- XLI. 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)
- XLII. 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)
- XLIII. 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)
- XLIV. 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. **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)
- II. **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)
- III. **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)
- IV. **Recent advances in health biotechnology during pandemic**
ARI Yuka S., Akpek A., Özarslan A., Vural A., Koçer A. T., ASLAN A., Karaaltin A. B., Gök B., Yilmaz B. B., İNAN B., et al. Sigma Journal of Engineering and Natural Sciences, vol.41, no.3, pp.625-655, 2023 (ESCI)
- V. **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)
- VI. **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)
- VII. **3D printing of Osage orange extract/Chitosan scaffolds for soft tissue engineering**
SAATÇİOĞLU E., KOYUN M., ULAĞ S., ŞAHİN A., YILMAZ B., AKSU M. B., GÜNDÜZ O. Food Hydrocolloids for Health, vol.1, 2021 (ESCI)

Books & Book Chapters

- I. **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
- II. **Bioprinting**
Ulağ S.
in: Biomaterials and Tissue Engineering , Oguzhan Gunduz,Christophe Egles,Román A. Pérez,Denisa Ficai,Cem Bulent Ustundag, Editor, Springer Nature, Basel, pp.357-384, 2023
- III. **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
- IV. **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
- V. **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
- VI. **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

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **FİBROİN TEMELLİ 3D BASILI ANTİMİKROBİYAL YAMALAR**
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