

Asst. Prof. SÜMEYYE CESUR

Personal Information

Web: <https://avesis.marmara.edu.tr/15031>

Address: sumeyye.cesur@marmara.edu.tr

International Researcher IDs

ScholarID: Dk1V1x0AAAAJ

ORCID: 0000-0001-5050-1303

Yoksis Researcher ID: 386418

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Metallurgical and Materials Engineering, Turkey 2017 - 2021

Postgraduate, Kahramanmaraş Sutcu Imam University, Institute Of Science, Turkey 2013 - 2016

Undergraduate, Hatay Mustafa Kemal University, Faculty Of Arts And Sciences, Turkey 2008 - 2012

Dissertations

Doctorate, Biyomedikal uygulamalar için mikroakışkan yöntemiyle mikrobaloncuk ve partikül üretimi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Metallurgical and Materials Engineering, 2021

Postgraduate, Metal-lignoselülozik esashlı kompozit malzeme üretimi, Kahramanmaraş Sutcu Imam University, Institute Of Science, 2016

Research Areas

Pharmaceutics Technology, Biomaterials, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2023 - Continues

Courses

Akışkanlar Mekaniği, Undergraduate, 2023 - 2024

Biyomalzemelerin Karakterizasyonu, Doctorate, 2023 - 2024

Mikro, nano ilaç Taşıyıcı Sistemler, Doctorate, 2023 - 2024

Diferansiyel Denklemler, Undergraduate, 2023 - 2024

Metalurjik Atıklar ve Yeniden Kazanım, Undergraduate, 2023 - 2024

Matematik II, Undergraduate, 2022 - 2023

Rapor Hazırlama ve Sunum Teknikleri, Undergraduate, 2021 - 2022

Advising Theses

- Cesur S., Kemik Doku Mühendisliği için 3 Boyutlu Yazım Teknolojisi Kullanılarak PRP Yüklü İskelelerin Üretimi, Postgraduate, T.Arslan(Student), Continues
- Cesur S., Kartal İ., Kemik Doku Mühendislik Uygulamaları İçin Elektroçirme Yöntemi ile Üretilmiş Antifungal Özelliklere Sahip Nanofiberlerin Üretimi, Doctorate, Y.Yavuz(Student), Continues
- Cesur S., Elektroçirme Yöntemi ile Kanser Tedavisine Yönelik Inula helenium ekstraktı ve Amigdalın Yüklü Nanofiberlerin Üretimi, Postgraduate, R.Betül(Student), Continues
- Cesur S., Demire H., GÖZ YUVARLAĞI KÜÇÜKLÜĞÜNE BAĞLI OLARAK GELİŞEN GÖZ KAPAĞI DÜŞÜKLÜĞÜNÜN TEDAVİSİNDE KULLANILMAK ÜZERE KİŞİYE ÖZEL GÖZ KAPAĞI KALDIRICI (SCLERAL EYELID LIFTER) TASARIM, ÜRETİM VE KARAKTERİZASYONU, Doctorate, A.ALPARSLAN(Student), Continues
- Cesur S., Gündüz O., TRANSDERMAL İLAÇ DAĞITIMI İÇİN MİKROPARTİKÜL KAPLI MİKROPIĞNE İSKELELERİNİN ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, E.PİLAVCI(Student), 2023
- Gündüz O., Cesur S., ELEKTROÇİRME YÖNTEMİ İLE İLAÇ YÜKLÜ YARA ÖRTÜLERİNİN ÜRETİLMESİ VE KARAKTERİZASYONU, Postgraduate, E.ALTAĞ(Student), 2023
- Cesur S., Üstündağ C. B., Kronik yaralar için 3B basılmış kontrollü ilaç salım sisteminin tasarımı ve geliştirilmesi, Postgraduate, S.HARMANCI(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Whey protein-loaded 3D-printed poly (lactic) acid scaffolds for wound dressing applications.**
Kayadurmus H. M., Rezaei A., İlhan E., Cesur S., Sahin A., Gunduz O., Kalaskar D. M., Ekren N.
Biomedical materials (Bristol, England), vol.19, no.4, 2024 (SCI-Expanded)
- II. **Combination techniques towards novel drug delivery systems manufacturing: 3D PCL scaffolds enriched with tetracycline-loaded PVP nanoparticles**
CESUR S.
European Journal of Pharmaceutics and Biopharmaceutics, vol.194, pp.36-48, 2024 (SCI-Expanded)
- III. **Design of Cinnamaldehyde- and Gentamicin-Loaded Double-Layer Corneal Nanofiber Patches with Antibiofilm and Antimicrobial Effects**
Cesur S., İlhan E., Tut T. A., Kaya E., Dalbayrak B., Bosgelmez-Tinaz G., Arisan E. D., Gunduz O., Kijeńska-Gawrońska E.
ACS OMEGA, vol.8, no.31, pp.28109-28121, 2023 (SCI-Expanded)
- IV. **Investigation of the antitumor effect on breast cancer cells of the electrospun amygdalin-loaded poly(L-lactic acid)/poly(ethylene glycol) nanofibers**
Seyhan S., Alkaya D., Cesur S., Sahin A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.239, 2023 (SCI-Expanded)
- V. **A Novel Strategy as a Potential Rapid Therapy Modality in the Treatment of Corneal Ulcers: Fluconazole/Vancomycin Dual Drug-Loaded Nanofibrous Patches**
CESUR S., İlhan E., Pilavci E., Sulutas R. B., Gurboga M., BİNGÖL ÖZAKPINAR Ö., Kaya E., Heljak M., TINAZ G., OKTAR F. N., et al.
Macromolecular Materials and Engineering, vol.308, no.5, 2023 (SCI-Expanded)
- VI. **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)
- VII. **Production of 3D Printed Bi-Layer and Tri-Layer Sandwich Scaffolds with Polycaprolactone and Poly (vinyl alcohol)-Metformin towards Diabetic Wound Healing**

Harmanci S., Dutta A., Cesur S., Sahin A., Gunduz O., Kalaskar D. M., Ustundag C. B.
POLYMERS, vol.14, no.23, 2022 (SCI-Expanded)

- VIII. **Gentamicin-loaded polyvinyl alcohol/whey protein isolate/hydroxyapatite 3D composite scaffolds with drug delivery capability for bone tissue engineering applications**
Tut T. A., Cesur S., Ilhan E., ŞAHİN A., Yildirim O. S., GÜNDÜZ O.
EUROPEAN POLYMER JOURNAL, vol.179, 2022 (SCI-Expanded)
- IX. **Preparation and characterization of pure natural hydroxyapatite derived from seashells for controlled drug delivery**
AYAZ SEYHAN S., Alkaya D., Cesur S., OKTAR F. N., GÜNDÜZ O.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.4, pp.1231-1240, 2022 (SCI-Expanded)
- X. **The Role of Multilayer Electrospun Poly(Vinyl Alcohol)/Gelatin nanofibers loaded with Fluconazole and Cinnamaldehyde in the Potential Treatment of Fungal Keratitis**
Ilhan E., Cesur S., Sulutas R. B., Pilavci E., Dalbayrak B., Kaya E., Arisan E. D., Tinaz G., ŞENGÖR M., Kijeenska-Gawaronska E., et al.
EUROPEAN POLYMER JOURNAL, vol.176, 2022 (SCI-Expanded)
- XI. **Characterization and in vitro release kinetics of chitosan based biocomposites from Scotch Bonnets**
BİLĞİÇ ALKAYA D., Cesur S., AYAZ SEYHAN S.
Journal of the Indian Chemical Society, vol.99, no.7, 2022 (SCI-Expanded)
- XII. **Metformin-Loaded Polymer-Based Microbubbles/Nanoparticles Generated for the Treatment of Type 2 Diabetes Mellitus**
Cesur S., ÇAM M. E., Sayın F. S., Su S., Harker A., Edirisinghe M., GÜNDÜZ O.
LANGMUIR, vol.38, no.17, pp.5040-5051, 2022 (SCI-Expanded)
- XIII. **Electrically controlled drug release of donepezil and BiFeO₃ magnetic nanoparticle-loaded PVA microbubbles/nanoparticles for the treatment of Alzheimer's disease**
Cesur S., ÇAM M. E., SAYIN F. S., GÜNDÜZ O.
Journal of Drug Delivery Science and Technology, vol.67, 2022 (SCI-Expanded)
- XIV. **Levodopa-Loaded 3D-Printed Poly (Lactic) Acid/Chitosan Neural Tissue Scaffold as a Promising Drug Delivery System for the Treatment of Parkinson's Disease**
Saylam E., Akkaya Y., Ilhan E., Cesur S., Guler E., ŞAHİN A., Cam M. E., EKREN N., OKTAR F. N., GÜNDÜZ O., et al.
APPLIED SCIENCES-BASEL, vol.11, no.22, 2021 (SCI-Expanded)
- XV. **Resveratrol-Loaded Levam Nanoparticles Produced by Electrohydrodynamic Atomization Technique**
Cinan E., Cesur S., Haskoylu M. E., GÜNDÜZ O., Oner E.
NANOMATERIALS, vol.11, no.10, 2021 (SCI-Expanded)
- XVI. **Production, Optimization and Characterization of Polylactic Acid Microparticles Using Electrospray with Porous Structure**
Tasci M. E., Dede B., Tabak E., Gur A., Sulutas R. B., Cesur S., Ilhan E., Lin C., Paik P., Ficali D., et al.
APPLIED SCIENCES-BASEL, vol.11, no.11, 2021 (SCI-Expanded)
- XVII. **Accelerated diabetic wound healing by topical application of combination oral antidiabetic agents-loaded nanofibrous scaffolds: An in vitro and in vivo evaluation study**
Cam M. E., ERTAŞ B., Alenezi H., Hazar-Yavuz A. N., Cesur S., Ozcan G. S., Ekentok C., Guler E., Katsakouli C., Demirbas Z., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-Expanded)
- XVIII. **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)
- XIX. **Development of Satureja cuneifolia-loaded sodium alginate/polyethylene glycol scaffolds produced by 3D-printing technology as a diabetic wound dressing material**
Ilhan E., Cesur S., Guler E., Topal F., Albayrak D., Guncu M. M., Cam M. E., Taskin T., Sasmazel H. T., Aksu B., et al.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.161, pp.1040-1054, 2020 (SCI-Expanded)

- XX. **A novel treatment strategy for preterm birth: Intra-vaginal progesterone-loaded fibrous patches**
Cam M. E., Hazar-Yavuz A. N., Cesur S., Ozkan O., Alenezi H., Turkoglu Sasmazel H., Sayip Eroglu M., Brako F., Ahmed J., Kabasakal L., et al.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.588, 2020 (SCI-Expanded)
- XXI. **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)
- XXII. **Preparation and characterization of electrospun polylactic acid/sodium alginate/orange oyster shell composite nanofiber for biomedical application**
Cesur S., Oktar F. N., Ekren N., Kılıç O., Bilgiç Alkaya D., Ayaz Seyhan S., Ege Z. R., Lin C., Erdem Kuruca S., Erdemir G., et al.
Journal of the Australian Ceramic Society, vol.56, no.2, pp.533-543, 2020 (SCI-Expanded)
- XXIII. **Evaluation of burst release and sustained release of pioglitazone-loaded fibrous mats on diabetic wound healing: an in vitro and in vivo comparison study**
Cam M. E., Yildiz S., Alenezi H., Cesur S., Ozcan G., Erdemir G., Edirisinghe U., Akakin D., Kuruca D., Kabasakal L., et al.
JOURNAL OF THE ROYAL SOCIETY INTERFACE, vol.17, no.162, 2020 (SCI-Expanded)
- XXIV. **Fabrication, characterization and fibroblast proliferative activity of electrospun Achillea lycaonica-loaded nanofibrous mats**
Cam M. E., Cesur S., Taşkın T., Erdemir G., Kuruca D. S., Sahin Y. M., Kabasakal L., Gündüz O.
European Polymer Journal, vol.120, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Production, characterization, and antioxidant activity evaluation of Rheum Ribes L. extract-loaded PLA/PEG nanofibers**
AYAZ SEYHAN S., Demirel A. B., Cesur S., BİLĞİÇ ALKAYA D.
Journal of Research in Pharmacy, vol.27, no.1, pp.146-156, 2023 (Scopus)
- II. **Production of Gentamycin-Loaded Poly(Vinyl Alcohol)/Gelatin Nanofiber by Electrospinning Method as Wound Dressing Material**
CESUR S.
Konya mühendislik bilimleri dergisi (Online), vol.10, no.4, pp.878-888, 2022 (Peer-Reviewed Journal)
- III. **Production and Characterization of Antituberculostatic Drug-Loaded Nanofibers by Electrospinning Method**
ONURLU H. İ., BİLĞİÇ ALKAYA D., AYAZ SEYHAN S., CESUR S., GÜNDÜZ O.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.3, pp.654-661, 2022 (Peer-Reviewed Journal)
- IV. **Production and Characterization of Polymeric Microbubble / Nanoparticles Using a Microfluidic Device**
CESUR S., CAM M. E., GUNDUZ O.
Konya mühendislik bilimleri dergisi (Online), vol.9, no.1, pp.17-24, 2021 (Peer-Reviewed Journal)
- V. **Controlled release of metformin-loaded sa/peg scaffolds produced by 3D-printing technology**
Cesur S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.39, no.1, pp.1-12, 2021 (ESCI)

Books & Book Chapters

- I. **Advances in 3D Hydrogel Matrix and Their Role in Neural Tissue Engineering**
Cesur S., Bedir T., Ekren N., Gündüz O., Üstündağ C. B.

in: *Functional Biomaterials: Advances in Design and Biomedical Applications*, Anuj Kumar, Durgalakshmi Dhinasekaran, Irina Savina, Sung Soo Han, Editor, CRC, New York, New York, pp.37-75, 2023

II. **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

III. **Characterization of scaffolds for neural tissue engineering**

Ulağ S., Cesur S., Ayran M. M., Bozlar M.

in: *Biomaterials for Neural Tissue Engineering*, Oguzhan Gunduz, Cem Bulent Ustundag and Mustafa Sengor, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.343-365, 2023

IV. **Gel-Inks for 3D Printing in Corneal Tissue Engineering**

Cesur S.

in: *3D printable Gel-inks for Tissue Engineering*, Anuj Kumar, Stefan Ioan Voicu, Vijay Kumar Thakur, Editor, Springer, London/Berlin, Dubendorf, pp.161-190, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **Nöral Doku Mühendisliği Uygulamalarında Kullanılabilecek Doku İskelelerinin Üretimi**

Ergün T., Baykara D., Cesur S., Üstündağ C. B., Nalbantoğlu B.

25. Ulusal Biyoloji Kongresi, İzmir, Turkey, 13 - 15 July 2023, pp.61-62

II. **Production of Vancomycin-Loaded Polylactic acid (PLA)/Polycaprolactone (PCL) Electrospun Nanofibers with Different Designs**

Altan E., Akdag Z., Pilavci E., Cesur S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 - 30 June 2023, pp.55-56

III. **Donezepil for The Treatment of Alzheimer's Disease-Loaded with Curcumin Production of Sandwich-Like 3D PCL/PVA Tissue Scaffolds**

Ekici T., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 - 30 June 2023, pp.46

IV. **Production of Nanofiber for Combination with Anticancer Tragopon Porrifolius L. Naringenin**

Yeşil E., Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 - 30 June 2023, pp.122

V. **Inula helenium Extract-Loaded Nanofibrous Patches for the Treatment of Cancer**

Sulutas R. B., Cesur S., Ayaz-Seyhan S., Bilgiç Alkaya D., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 - 30 June 2023, pp.98

VI. **Development of Electrospun Nanofibers Containing Gentamicin and Cinnamaldehyde for Treating Corneal Infections**

Tut T. A., Cesur S., Ilhan E., Gawrońska E. K., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 - 30 June 2023, pp.88

VII. **Production and Characterization of a Dual Drug Delivery System of Memantine and Naringenin by Electrospinning Method**

Birinci A., Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering NanoBioMat 2023 – Summer Edition, Bucuresti, Romania, 28 June - 30 August 2023, pp.127

VIII. **Microparticle-Coated Microneedle Scaffolds for Transdermal Drug Delivery**

Pilavci E., Cesur S., Gündüz O.

Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.92-93

- IX. Fabrication and Characterization of Naringenin-loaded Poly(Lactic Acid) (PLA) Nanofibrous Scaffolds**
Erdağ Z., Yeşil E., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.1
- X. Production and Characterization of Drug-Loaded Tissue Healing Fiber Dressing for Corneal Ulcer Treatment**
Sulutaş R. B., Cesur S., İlhan E., Kijeńska-Gawrońska E., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.58-59
- XI. Development of Janus Microbubbles with Varied Morphologies by the Effect of Different Solvents**
Yeşilyurt T., Cesur S., Üstündağ C. B., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.50-51
- XII. Keratin Loaded PVA/Silk Fibroin Electrospun Nanofibers for Wound Dressing Applications**
Tut T. A., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Winter Edition, Bucuresti, Romania, 24 - 26 November 2022, pp.61-62
- XIII. Fabrication and characterization of electrospun ellagic acid-loaded Poly (lactic acid)-polyethylene glycol nanofibers for biomedical application**
Yaşar K., Yamli R., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.1351-1355
- XIV. Multilayer patches for the treatment of corneal perforations caused by infections**
Kijeńska-Gawrońska, İlhan E., Cesur S., Sulutaş R. B., Pilavcı E., Dalbayrak B., Kaya E., Arisan E. D., Tınaz G., Şengör M., et al.
International Conference on Biofabrication, Pistoia, Italy, 25 - 28 September 2022, pp.1
- XV. Production Of Metformin-Loaded Electrospun Fiber Using Electrospinning For Diabetic Wound Healing**
Cesur S.
14th International Conference On Engineering & Natural Sciences, Sivas, Turkey, 18 - 19 July 2022, pp.674-675
- XVI. The Effect of Crosslinking Time on the Release of Gentamicin from Nanofibers**
Pilavcı E., Cesur S., İlhan E., Şengör M., Kijeńska-Gawrońska E., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XVII. Three-Dimensional Polycaprolactone Scaffold Combined with Tetracycline-Loaded Electrospray Particles**
Sulutaş R. B., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XVIII. Fluconazole and Cinnamaldehyde Loaded-Multilayer Elektrospun Nanofibers for the Treatment of Fungal Keratitis**
İlhan E., Cesur S., Oktar F. N., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XIX. Synthesis of Medicinal Plant Based Bioactive Electrospun Nanofibrous Mats and Their Effect on The Antioxidant Activity**
Demirel A. B., Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Summer Edition,

Bucuresti, Romania, 22 - 24 June 2022, pp.1

- XX. **Design and Characterization of Medicinal Plant Based Nanofibers and Their Effect on The Antioxidant Activity**
Ekici T., Dođrul E., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XXI. **Design and Fabrication of Metformin-Loaded Tri-Layer PCL/PVA/PCL Scaffolds for Chronic Wound Healing**
Harmancı S., Cesur S., Gündüz O., Üstündağ C. B.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XXII. **Production and Characterisation of PVA/Whey Protein/Hydroxyapatite/Gentamicin Loaded Scaffolds for Bone Tissue Engineering Applications**
Tut T. A., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2022 – Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XXIII. **Characterization and Application of Silver Nanoparticles Decorated Electrospun Nanofiber Loaded with Naringenin**
Birinci A., Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering, NanoBioMat 2022, Summer Edition, Bucuresti, Romania, 22 - 24 June 2022, pp.1
- XXIV. **Development of Oral Antidiabetic Agent-Loaded Scaffolds for Diabetic Wound Healing Using 3D Printing Technology**
Harmancı S., Cesur S., Gündüz O., Üstündağ C. B.
Applications of Chemistry in Nanosciences and Biomaterials Engineering. NanoBioMat 2021, Winter Edition, Bucuresti, Romania, 25 - 27 November 2021, pp.35-36
- XXV. **Controlled Release of Amygdalin Loaded PLA/PEG Nanofiber by Electrospinning Method**
Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat, Bucuresti, Romania, 25 - 26 June 2021, pp.4
- XXVI. **Fabrication and Characterization of Carbamazepine Loaded Poly(lactic acid) (PLA) Nanofibrous Scaffolds**
Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat , Bucuresti, Romania, 25 - 26 June 2021, pp.7
- XXVII. **Synthesis and Characterization of Electrospun Nanofibers Loaded with Black Tea/ Tyhme Plant Extracts as a Antimicrobial Wound Dressing**
Gür A., Cesur S., Sevimođlu T., Gündüz O.
Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat , Bucuresti, Romania, 25 - 26 June 2021, pp.25-26
- XXVIII. **Controlled Release of Resveratrol-Loaded Levan Nanoparticles Using Electrospray**
Cinan E., Cesur S., Gündüz O., Toksoy Öner E.
Applications of Chemistry in Nanosciences and Biomaterials Engineering – NanoBioMat 2021, Bucuresti, Romania, 25 - 26 June 2021, pp.1
- XXIX. **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., Ulađ S., Amin A., Güncü M. M., Aksu M. B., Kolyalı 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
- XXX. **Levan micro/nano particulate systems for controlled cargo delivery**
Cinan E., Santos S., Cesur S., Gündüz O., Mono J., Toksoy Öner E.

4th International Conference on Biological and Biomimetic Adhesives (ICBBA), Aveiro, Portugal, 18 - 19 February 2021, pp.1

- XXXI. **Controlled Release Of Donopezil-Loaded Polyvinyl Alcohol (PVA) Microbubbles/Nanoparticles Using Microfluidic T-Junction Device**
Cesur S., Çam M. E., Gündüz O.
International symposium of chemistry and chemical engineering (SICHEM 2020), Bucuresti, Romania, 17 - 18 September 2020, pp.106-107
- XXXII. **Controlled Release of Risperidone Loaded Polylactic Acid (PLA) Microparticles using Electrospray**
Taşçı M. E., Cesur S., Gür A., Tabak E., Gündüz O.
International symposium of chemistry and chemical engineering (SICHEM 2020), Bucuresti, Romania, 17 - 18 September 2020, pp.104-105
- XXXIII. **Controlled Release of Metformin Loaded Polyvinyl Alcohol (PVA) Microbubble/Nanoparticles Using Microfluidic Device for the Treatment of Type 2 Diabetes Mellitus**
Cesur S., ÇAM M. E., SAYIN F. S., Su S., GÜNDÜZ O.
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain, 6 - 08 May 2020, vol.12108 LNBI, pp.185-193
- XXXIV. **Loading of tuberculosis drugs to nanofiber structures, fiber optimization**
Onurlu H. İ., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O.
2. International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 28 - 29 June 2019, pp.1
- XXXV. **Polylactic acid/Sodyum Alginate/Orange Oyster Shell based nanofiber composite design**
Uzun M., Cesur S., Ekren N., Oktar F. N., Gündüz O.
6th International Conference on Technical Textiles & Nonwovens (ICTN 2018), New Delhi, India, 6 - 08 November 2018, pp.1
- XXXVI. **Fabrication and Characterization of Achillea Iycaonica- Loaded Poly(Lactic Acid) Nanofibers**
Çam M. E., Cesur S., Taşkın T., Kabasakal L., Gündüz O.
ICNMA: 2018 20th International Conference on Nanostructured Materials and Applications, Zürich, Switzerland, 13 - 14 September 2018, pp.737-740
- XXXVII. **Preparation Of Hydroxyapatite Biomaterials For Benzoic Acid Delivery From Scotch Bonnets Seashell By Microwave Processing**
Öztürk B. N., Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Topsakal A., Oktar F. N., Gündüz O.
KOMPEGE 2018-IV. International Composite Material Symposium 2018, İzmir, Turkey, 6 - 08 September 2018, pp.1
- XXXVIII. **Hydroxyapatite Is Biomaterials: Its Chemical Synthesis Characterization Shell Of Cypaea Annulus**
Bilgiç Alkaya D., Ayaz Seyhan S., Öztürk B. N., Cesur S., Topsakal A., Oktar F. N., Gündüz O.
KOMPEGE 2018-IV. International Composite Material Symposium 2018, İzmir, Turkey, 6 - 08 September 2018, pp.1
- XXXIX. **Preparation And Characterization Of Silver-Doped Hydroxyapatite From Seashell By Different Methods**
, Ayaz Seyhan S., Bilgiç Alkaya D., Öztürk B. N., Cesur S., Topsakal A., Oktar F. N., Gündüz O.
KOMPEGE 2018-IV. International Composite Material Symposium 2018, İzmir, Turkey, 6 - 08 September 2018, pp.1
- XL. **Production Of Hydroxyapatite/Poly(Vinyl Alcohol) Based Scaffold For Drug Delivery From Orange Spiny Oyster Seashell (Spondylus Barbatus)**
Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Oktar F. N., Gündüz O.
4th International Conference on Biomedical Polymers Polymeric Biomaterials (ISBPPB 2018), Krakow, Poland, 15 - 18 July 2018, pp.1
- XLI. **Electrospun Multilayer Nanofiber Based Intelligent Drug Delivery and Release System**
Ege Z. R., Oktar F. N., Akan A., Kuruca D. S., Yılmaz B., Erdemir G., Cesur S., Gündüz O.
4th International Conference on Biomedical Polymers Polymeric Biomaterials (ISBPPB 2018), Krakow, Poland, 15 - 18 July 2018, pp.1
- XLII. **Fabrication and Characterization of PLA/SA/HA Composite Nanofiber by Electrospinning for Bone Tissue Engineering Applications**
Cesur S., Ekren N., Kılıç O., Oktar F. N., Bilgiç Alkaya D., Ayaz Seyhan S., Ege Z. R., Gündüz O.
4th International Conference on Biomedical Polymers Polymeric Biomaterials (ISBPPB 2018), Krakow, Poland, 15 -

18 July 2018, pp.1

- XLIII. **Investigation Of Chitosan / Tricalcium Phosphate (Tcp) Composite Powders From Scotch Bonnets (Semicassis Granulata) As A Drug Controlled Release Matrices**
Bilgiç Alkaya D., Ayaz Seyhan S., Cesur S., Gündüz O., Oktar F. N.
4th International Conference on Biomedical Polymers Polymeric Biomaterials (ISBPPB 2018), Krakow, Poland, 15 - 18 July 2018, pp.1
- XLIV. **Examination of the Biocompatibility of Electrospun PLA/SA/HA Composite Nanofibers for the Bone Tissue Engineering Applications**
Erdemir G., Gündüz O., Cesur S., Kuruoğlu F., Erol A., Kuruca D. S.
International Congress on Engineering and Life Science - ICELIS 2018, Kastamonu, Turkey, 26 - 29 April 2018, pp.1-2

Supported Projects

Cesur S., Gündüz O., Oğuz H., Doğan C., Yılmaz Ö. F., Çam M. E., TUBITAK Project, Fitizis Bulbiye Bağlı Psodopitozis Tedavisinde 3 Boyutlu Dlp Yazıcı Ile Kişiyeye Özgü Fonksiyonel Skleral Göz Kapak Kaldırıcı (Scleraylifter) Materyal Tasarımı ve Üretimi, 2024 - 2025

Scientific Refereeing

GELS, SCI Journal, November 2022

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, SCI Journal, September 2022

Materials, SCI Journal, August 2022

MOLECULES, SCI Journal, March 2022

Metrics

Publication: 77

Citation (WoS): 315

Citation (Scopus): 613

H-Index (WoS): 9

H-Index (Scopus): 15

Scholarships

Doktora sonrası araştırmacı, TUBITAK, 2021 - 2023

Awards

Cesur S., Metformin-Loaded Polymer-Based Microbubbles/Nanoparticles Generated for the Treatment of Type 2 Diabetes Mellitus, American Chemical Society, May 2022