

## Assoc. Prof. SÜMEYYE CESUR

### Personal Information

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### International Researcher IDs

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### 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

#### Doctorate

Biyomalzemelerin Karakterizasyonu, Doctorate, 2023 - 2024

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

#### Undergraduate

Akışkanlar Mekaniği, Undergraduate, 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

Kimya, Undergraduate, 2022 - 2023

## Supervised Theses

Cesur S., Demirer 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., Kartal İ., Kemik Doku Mühendislik Uygulamaları İçin Elektroğirme Yöntemi ile Üretilmiş Antifungal Özelliklere Sahip Nanofiberlerin Üretimi, Doctorate, Y.Yavuz(Student), Continues

Cesur S., Yumuşak Doku Mühendisliği Uygulamaları için 3 Boyutlu Yazıcı Teknolojisiyle Polimer Kompozit Üretimi ve Karakterizasyonu, Postgraduate, E.Büşra(Student), Continues

Balkanlı D., Cesur S., Çok İşlevli 3B-Baskı Yara Dokusu İskelesi, Doctorate, E.Ece(Student), Continues

Cesur S., Gıda Atıklarından Elde Edilen Pektin ve Bakteriyel Selülozun Dijital Işık İşleme 3B Yazıcı Yöntemiyle Üretimi, Doctorate, H.Pertek(Student), Continues

Cesur S., Elektroğirme Yöntemi ile Kanser Tedavisine Yönelik Inula helenium ekstraktı ve Amigdalın Yüklü Nanofiberlerin Üretimi, Postgraduate, R.Betül(Student), 2024

Cesur S., Kemik Doku Mühendisliği için 3 Boyutlu Yazım Teknolojisi Kullanılarak PRP Yüklü İskelelerin Üretimi, Postgraduate, T.Arslan(Student), 2024

Gündüz O., Cesur S., ELEKTROĞİRME YÖNTEMİ İLE İLAÇ YÜKLÜ YARA ÖRTÜLERİNİN ÜRETİLMESİ VE KARAKTERİZASYONU, Postgraduate, E.ALTAN(Student), 2023

Cesur S., Gündüz O., TRANSDERMAL İLAÇ DAĞITIMI İÇİN MİKROPARTİKÜL KAPLI MİKROPIĞNE İSKELELERİNİN ÜRETİMİ VE KARAKTERİZASYONU, Postgraduate, E.PİLAVCI(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. **Bovine serum albumin (BSA)-Loaded polyvinyl alcohol (PVA) / chitosan (CH) / hydroxyapatite (HA) electrospun nanofibers for bone tissue regeneration**  
Bozdağ M., Urek F., CESUR S., ŞAHİN A., GÜNDÜZ O.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.106, 2025 (SCI-Expanded)
- II. **In silico evaluation of corneal patch eluting anti-VEGF agents concept**  
Heljak M. K., CESUR S., İlhan E., Swieszkowski W., GÜNDÜZ O., Kijeńska-Gawrońska E.  
European Journal of Pharmaceutics and Biopharmaceutics, vol.204, 2024 (SCI-Expanded)
- III. **Novel production strategy of drug-encapsulated biodegradable scaffolds for remediation of hidradenitis suppurativa**  
Gezek M., Kayadurmus H. M., İlhan E., CESUR S., Kaya E., Tinaz G., Dalbayrak B., Arisan E. D., DOĞAN C., GÜNDÜZ O., et al.  
MRS Bulletin, vol.49, no.11, pp.1100-1111, 2024 (SCI-Expanded)
- IV. **Production of platelet-rich plasma (PRP)-enriched scaffolds for bone tissue regeneration with 3D printing technology**  
Arslan Tut T., CESUR S., ŞAHİN A., EREN F., GÜNDÜZ O.  
EUROPEAN POLYMER JOURNAL, vol.219, 2024 (SCI-Expanded)
- V. **Electrospun amygdalin and Inula helenium extract-loaded polylactic acid (PLA)/Polyvinylpyrrolidone (PVP) nanofibrous patches for colon cancer treatment: Fabrication, characterization and antitumour effect results**  
Sulutas R. B., Cesur S., Seyhan S., Alkaya D., Şahin A., Ekren N., Gunduz O.

Journal of Drug Delivery Science and Technology, vol.99, 2024 (SCI-Expanded)

- VI. **Whey protein-loaded 3D-printed poly (lactic) acid scaffolds for wound dressing applications**  
Kayadurmus H. M., Rezaei A., Ilhan E., Cesur S., Sahin A., Gunduz O., Kalaskar D. M., Ekren N.  
Biomedical Materials (Bristol), vol.19, no.4, 2024 (SCI-Expanded)
- VII. **PRODUCTION AND ANTIOXIDANT ACTIVITY OF ELECTROSPUN POLYLACTIC ACID (PLA) NANOFIBROUS MATS CONTAINING NARINGENIN (NAR) FOR POTENTIAL WOUND HEALING APPLICATIONS**  
AYAZ SEYHAN S., Erdag Z., CESUR S., BİLĞİÇ ALKAYA D.  
Revue Roumaine de Chimie, vol.69, no.3-4, pp.119-127, 2024 (SCI-Expanded)
- VIII. **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)
- IX. **Design of Cinnamaldehyde- and Gentamicin-Loaded Double-Layer Corneal Nanofiber Patches with Antibiofilm and Antimicrobial Effects**  
Cesur S., Ilhan 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)
- X. **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)
- XI. **A Novel Strategy as a Potential Rapid Therapy Modality in the Treatment of Corneal Ulcers: Fluconazole/Vancomycin Dual Drug-Loaded Nanofibrous Patches**  
CESUR S., Ilhan 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)
- XII. **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., Ilhan E., ULAĞ S., ŞENGÖR M., Kijeńska-Gawrońska E., GÜNDÜZ O.  
ChemistrySelect, vol.8, no.5, 2023 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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., Kijeńska-Gawaronska E., et al.  
EUROPEAN POLYMER JOURNAL, vol.176, 2022 (SCI-Expanded)
- XVII. **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)

- XVIII. **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)
- XIX. **Electrically controlled drug release of donepezil and BiFeO<sub>3</sub> 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)
- XX. **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., İlhan 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)
- XXI. **Resveratrol-Loaded Levam Nanoparticles Produced by Electrohydrodynamic Atomization Technique**  
 Cinan E., Cesur S., Haskoğlu M. E., GÜNDÜZ O., Oner E.  
 NANOMATERIALS, vol.11, no.10, 2021 (SCI-Expanded)
- XXII. **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., İlhan E., Lin C., Paik P., Fıcaı D., et al.  
 APPLIED SCIENCES-BASEL, vol.11, no.11, 2021 (SCI-Expanded)
- XXIII. **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)
- XXIV. **3D Propolis-Sodium Alginate Scaffolds: Influence on Structural Parameters, Release Mechanisms, Cell Cytotoxicity and Antibacterial Activity**  
 Arancı K., Uzun M., Su S., Cesur S., Ulag S., Amin A., Guncu M., Aksu B., Kolaylı S., Ustundag C., et al.  
 Molecules, vol.25, no.21, 2020 (SCI-Expanded)
- XXV. **Development of Satureja cuneifolia-loaded sodium alginate/polyethylene glycol scaffolds produced by 3D-printing technology as a diabetic wound dressing material**  
 İlhan 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)
- XXVI. **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)
- XXVII. **Production and characterization of elastomeric cardiac tissue-like patches for Myocardial Tissue Engineering**  
 Cesur S., Ulag S., Ozak L., Gumussoy A., Arslan S., Yılmaz B. K., Ekren N., Agirbaslı M., Kalaskar D. M., Gündüz O.  
 POLYMER TESTING, vol.90, 2020 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **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)
- XXX. **Fabrication, characterization and fibroblast proliferative activity of electrospun Achillea lycaonica-**

## loaded nanofibrous mats

Çam 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., BİLGİÇ 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., BİLGİÇ 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

- I. **Production of Smart Particles Using Microfluidic Technology**  
Cesur S., İlhan E., Bozdağ M. M., Ekren N., Gündüz O.  
in: Smart Micro- and Nanomaterials for Pharmaceutical Applications, Ajit Behera, Arpan Kumar Nayak, Ranjan Kumar Mohapatra, Ali Ahmed Rabaan, Editor, CRC, New York, Florida, pp.59, 2024
- II. **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
- III. **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
- IV. **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
- V. **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

## Papers Published in Refereed Scientific Meetings

- 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., İlhan 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., Tmaz 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 Conferance 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. **Design and Characterization of Medicinal Plant Based Nanofibers and Their Effect on The Antioxidant Activity**  
Ekici T., Doğrul 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
- XX. **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
- XXI. **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
- XXII. **Characterization and Application of Silver Nanoparticles Decorated Electrospun Nanofiber Loaded with Naringenin**  
Birinci A., Ayaz Seyhan S., Bilgiç Alkaya D., Cesur S., Gündüz O.  
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- XXIII. **Development of Oral Antidiabetic Agent-Loaded Scaffolds for Diabetic Wound Healing Using 3D Printing Technology**  
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