Asst. Prof. ŞEYMA TAŞDEMİR

Personal Information

Office Phone: +90 236 201 2470
Email: seyma.tasdemir@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/seyma.tasdemir

International Researcher IDs
ScholarID: oz1O7GUAAAAJ
ORCID: 0009-0008-4688-9315
Publons / Web Of Science ResearcherID: ABI-7753-2020
ScopusID: 57190128954
Yoksis Researcher ID: 44785

Education

Doctorate, Ege University, Turkey 2013 - 2019
Postgraduate, Ege University, Turkey 2010 - 2012
Undergraduate, Ege University, Turkey 2006 - 2010

Foreign Languages

English

Dissertations

Doctorate, Nanopartikül ve grafen katkılı doku mühendisliği ürünlerinin in vitro ve in vivo Parkinson modellerinde nörorejeneratif etkisinin incelenmesi, Ege University, 2018
Postgraduate, Sıçan kemik iliğinden ve yağ dokusundan elde edilen mezenkimal kök hücrelerin PCL nanofibröz yüzeyler üzerinde tutunma ve çoğalma özelliklerinin incelenmesi, Ege University, 2012

Research Areas

Avesis Research Areas: Bioengineering
WoS Research Areas: Engineering Multidisciplinary
Scopus Research Areas: Media Technology

Academic Positions

Assistant Professor, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, BİYOMÜHENDİSLİK, 2022 - Present
Research Assistant, Sinop University, 2019 - 2022
Research Assistant, Ege University, 2014 - 2019
Research Assistant, Sinop University, 2014 - 2014

Courses

Postgraduate

Animal Cell Culture Technologies, Postgraduate, 2023 - 2024, 2022 - 2023

Undergraduate

Social Responsibility Project, Undergraduate, 2023-2024, 2022-2023

Thermodynamics, Undergraduate, 2023-2024, 2022-2023

Vocational Training in Workplace, Undergraduate, 2023-2024

Grand Project I, Undergraduate, 2023-2024

Grand Project II, Undergraduate, 2023-2024

Tissue Engineering, Undergraduate, 2023-2024, 2022-2023

Bioprocess Dynamics and Control, Undergraduate, 2023-2024, 2022-2023

Biotechnology and Genetic Engineering, Undergraduate, 2022-2023

Undergraduate Double Major

In vitro models for pre-clinic applications, Undergraduate Double Major, 2023-2024

Supervised Theses

TAŞDEMİR Ş., 2D and 3D in vitro Alzheimer's disease model, Postgraduate, D.SABIRTAŞ(Student), 2025

Articles

I. **Examination of the effects of dimethyl sulfoxide on PEDOT: PSS-based materials used in thermoelectric power systems developed for intracorporeal active implanted devices**
Özkan Ş., Şener M., Gürlek G., TAŞDEMİR Ş., Sabırtaş D., Gürses B. O., SEKİ Y.
Biotech Studies, vol.35, 2026 (Scopus, TRDizin)

II. **Do Distinct Homeopathic Potencies of Arnica montana Differentially Modulate Fibroblast Proliferation and Migration In Vitro?**
KUTLU A., Özdaś S., YEŞİL SARSMAZ H., TAŞDEMİR Ş., GÜRGEN S. G.
Homeopathy, 2026 (SCI-Expanded, Scopus)

III. **Design of chemobrionic and biochemobrionic scaffolds for bone tissue engineering**
Aslanbay Guler B., Morçimen Z. G., TAŞDEMİR Ş., Demirel Z., Turunç E., Şendemir A., İMAMOĞLU E.
Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded, Scopus)

IV. **In vitro engineered models of neurodegenerative diseases**
Morçimen Z. G., TAŞDEMİR Ş., Şendemir A.
Biocell, vol.48, no.1, pp.79-96, 2024 (SCI-Expanded, Scopus)

V. **Surface Area of Graphene Governs Its Neurotoxicity**
TAŞDEMİR Ş., Morçimen Z. G., Doğan A. A., Görgün C., Şendemir A.
ACS Biomaterials Science and Engineering, vol.9, no.6, pp.3297-3305, 2023 (SCI-Expanded, Scopus)

VI. **Wet-electrospun PHBV nanofiber reinforced carboxymethyl chitosan-silk hydrogel composite scaffolds for articular cartilage repair**
Gunes O. C., ZİYLAN A., Tasdemir Ş., Sendemir A.
Journal of Biomaterials Applications, vol.35, no.4-5, pp.515-531, 2020 (SCI-Expanded, Scopus)

VII. **Polycaprolactone-hydroxy apatite composites for tissue engineering applications**
Cesur S., Küçükgöksel Y., Taşdemir Ş., Ürkmez A. Ş.
Journal of Vinyl and Additive Technology, vol.24, no.3, pp.248-261, 2018 (SCI-Expanded, Scopus)

VIII. **Comparison of the osteogenic differentiation capacity of adipose tissue derived mesenchymal stem cells from humans and rats**
Erden Tayhan S., Taşdemir Ş., Deliloğlu Gürhan S. İ., Mir E.

Turkish Journal of Biology, vol.40, no.5, pp.1090-1095, 2016 (SCI-Expanded, Scopus, TRDizin)

IX. **FINAL DECLARATION OF THE 1ST WORKSHOP ON EMERGENCE OF ENGINEERED MODELS IN PERSONALIZING REGENERATIVE MEDICINE**
TAŞDEMİR Ş., Görgün C., ŞENDEMİR ÜRKMEZ A.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.18, no.52, pp.15, 2016 (TRDizin)

X. **Graphene oxide has a neuroprotective effect againist glutamate induced exitoxicity on B35 neuroblastoma cell line**
Kayhan B., TAŞDEMİR Ş., Çoruk İlhan P., Görgün C., ŞENDEMİR ÜRKMEZ A., ŞENGÜL G.
An International Journal of Experimental and Clinic Anatomy, vol.9, no.3, pp.155-167, 2016 (Peer-Reviewed Journal)

XI. **Comparison of Microtissue Forming Capacity of SH SY5Y and SK N AS Cell Lines**
Doğan A. A., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A.
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.18, no.52, pp.40-48, 2016 (TRDizin)

Books

I. **Algal Bioplastics**
Alyürük G., Esen E. T., TAŞDEMİR Ş., DENİZ CAN İ.
in: Algae-Derived Biochemicals of Industrial Importance, Anand Raksha, Bharadvaja Navneeta, Kumar D., Kumar Lakhan, Editor, Springer, pp.153-162, 2025

II. **Klinik Öncesi Deneyler için In-vitro Hastalık Modelleri**
Sabırtaş D., Taşdemir Ş.
in: Mühendislik, Fen ve Sağlık Bilimleri'nde Ar-Ge ve İnovasyon Çalışmaları, AY KADİR,ÜÇER OKTAY,TÜRK AHMET,DEMİR ALİ,ÇULHA OSMAN,MIZRAK ÖZFIRAT PINAR,DENİZ CAN İREM,YEŞİLDAĞ ESER,BAŞARAN ANIL,BAŞARI ENDER,YAĞCI TUĞÇE, Editor, Sidas Medya Ltd. Şti., Manisa, pp.84-91, 2024

III. **Stem Cells and Neural Tissue Engineering: All the Appropriate Signals are Necessary**
TAŞDEMİR Ş., ŞENDEMİR A., Missirlis Y. F.
in: Biomaterials and Stem Cells: From Basics to Applications, Bora Garipcan, Editor, Hacettepe, pp.47-84, 2018

IV. **Bioinspired Materials and Biocompatibility**
Anıl M., AYYILDIZ TAMİŞ D., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A., GÜLÇE İZ S.
in: Emerging Research on Bioinspired Materials Engineering, Mohamed Bououdina, Editor, IGI Global, pp.296-324, 2016

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Graphene doped composite self-assembled peptide gels show regenerative effects on in vitro three-dimensional Parkinson's disease model**
Morçimen Z. G., TAŞDEMİR Ş., TURUNÇ ÖZOĞLU S. E., ŞENDEMİR A.
26th International Biomedical Science and Technology Symposium (BIOMED), Ankara, Turkey, 25 - 27 November 2022, (Summary Text)

II. **Investigation of the neuroprotective effect of humanin in an in vitro Parkinson disease model**
Bayar Ş., TAŞDEMİR Ş., Kayhan B., ŞENDEMİR A., ŞENGÜL G.
17. Ulusal Sinirbilim Kongresi, Turkey, 4 - 07 April 2019, (Summary Text)

III. **Investıgatıon of the adherence and prolıferatıon characterıstıcs of SH-SY5Y neuron model cells on graphene foam surfaces**
Morçimen Z. G., Taşdemir Ş., Erdem Ç., Güneş F., Şendemir A.
2018 International Conferences and Exhibition on Nanotechnologies - Organic Electronics and Nanomedicine, Nanotexnology 2018, Thessaloniki, Greece, 30 June - 06 July 2018, vol.19, pp.40-46, (Full Text)

IV. **Olfaktör Mukozal Mezenkimal Kök Hücrelerin 2B ve 3B in vitro Nöral Farklılaşmalarının İncelenmesi**

ŞENDEMİR A., TAŞDEMİR Ş., MORCIMEN Z., ERDAL Y., TURUNÇ S. E.
BIOMED2018-TR, Turkey, 15 - 16 December 2018, (Summary Text)

V. **Iron Oxide Nanoparticle Reinforced Self-Assembled Peptide Gel Production and Characterization**
Bayar Ş., TAŞDEMİR Ş., Kayhan B., ŞENDEMİR A., ŞENGÜL G.
4th International Symposium on Composite Materials (KOMPEGE 2018), 6 - 08 September 2018, (Summary Text)

VI. **Investigation of the Adherence and Poliferation Characteristics of SH-SY5Y Neuron Model Cells on 3D Graphene Foam Surfaces**
Bayar Ş., TAŞDEMİR Ş., Kayhan B., ŞENDEMİR A., ŞENGÜL G.
15th International Conference on Nanosciences Nanotechnologies (NN18), 3 - 06 July 2018, (Summary Text)

VII. **Comparision of proliferation and multilineage differentiation capacity of mesenchymal stem cells from bone marrow and olfactory mucosa for tissue engineering**
TAŞDEMİR Ş., erdal y., KABADAYI H., VATANSEVER H. S., ŞENDEMİR A.
International Biomedical Engineering Congress 2018, 24 - 27 May 2018, (Summary Text)

VIII. **Surface Area of Graphene Governs Its Neurotoxic Activity**
TAŞDEMİR Ş., Doğan A. A., Görgün C., ŞENDEMİR A.
Second International Bıomedical Engineering Congress (IBMEC2018), 24 - 27 May 2018, (Summary Text)

IX. **Investigation of Adherence and Proliferation Characteristics of SH-SY5Y Neuron Model Cells on 2D Graphene Film Layers**
Erdal Y., TAŞDEMİR Ş., TURUNÇ S. E., ŞENDEMİR A.
Second International Bıomedical Engineering Congress (IBMEC2018), 24 - 27 May 2018, (Summary Text)

X. **Investigation of in vitro Neural Differentiation of Olfactory Mucosal Mesenchymal Stem Cells in 2D and 3D**
Erdal Y., TAŞDEMİR Ş., TURUNÇ S. E., ŞENDEMİR A.
Second International Bıomedical Engineering Congress (IBMEC2018), 24 - 27 May 2018, (Summary Text)

XI. **Using carbon based biomaterials for neural cells**
Çoruk İlhan P., Görgün C., Kayhan B., TAŞDEMİR Ş., ŞENGÜL G., ŞENDEMİR ÜRKMEZ A.
INTERNATIONAL BRAIN RESEARCH ORGANIZATION (IBRO) Kemali School on Brain Connectivity and Connectomics, Morocco, 14 - 22 September 2017, pp.22, (Summary Text)

XII. **Concentration and Size Dependent Side Effects of PEG Functionalized Iron Oxide Nanoparticles on Dopaminergic Neurons**
TAŞDEMİR Ş., Doğan A. A., Görgün C., ŞENDEMİR ÜRKMEZ A.
28th European Conference on Biomaterials (ESB2017), Atina, Greece, 4 - 08 September 2017, pp.835, (Summary Text)

XIII. **Neuroregenerative effects of graphene on dopaminergic neurons in vitro**
TAŞDEMİR Ş., Doğan A. A., ŞENDEMİR ÜRKMEZ A.
28th European Conference on Biomaterials (ESB2017), Atina, 4 - 08 September 2017, (Summary Text)

XIV. **Comparison of Microtissue Forming Capacity of Differentiated and Non-differentiated PC12 Neuron-like Cells**
Doğan A. A., TAŞDEMİR Ş., Görgün C., ŞENDEMİR ÜRKMEZ A.
22nd International Biomedical Science and TEchnology Symposium (BIOMED2017), Ankara, Turkey, 12 - 14 May 2017, pp.226, (Summary Text)

XV. **Grafen oksit film üzerinde glutamat ile indüklenen eksitotoksisteye direncin fare motor neuron-benzeri hücrelerde araştırılması**
İlhan P., Kayhan B., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A., ŞENGÜL G.
15. Ulusal Sinirbilim Kongresi, Sakarya, Turkey, 7 - 10 May 2017, (Summary Text)

XVI. **Investigation of the resistance to glutamate induced excitoxicity in NSC 34 neurons on graphene oxide films**
ŞENGÜL G., TAŞDEMİR Ş., Çoruk P., Kayhan B., ŞENDEMİR ÜRKMEZ A.
Society for Neuroscience (SfN 2016), San Diego, United States Of America, 12 - 16 November 2016, (Summary Text)

XVII. **Effects Cycloastragenol on an in vitro Parkinson s Disease Model**

Doğan A. A., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A.
Basel Life Science Week Leading in Europe, Basel, Switzerland, 19 - 23 September 2016, (Summary Text)

XVIII. **Magnetic Electrospun Scaffolds Stimulate Dopaminergic Neurons in vitro**
Görgün C., TAŞDEMİR Ş., Eltutan İ., ŞENDEMİR ÜRKMEZ A.
22nd Congress of the European Society of Biomechanics (ESB 2016), Lyon, France, 10 - 13 July 2016, (Summary Text)

XIX. **Effects of Particle Size of PEG Functionalized Iron Oxide Magnetic Nanoparticles on Neurotoxicity**
TAŞDEMİR Ş., Doğan A. A., ŞENDEMİR ÜRKMEZ A.
13th International Conference on Nanosciences & Nanotechnologies (NN16), Thessaloniki, Greece, 5 - 08 July 2016, (Summary Text)

XX. **Effects of Graphene on Neuronal Connectivity on SH SY5Y Neurons Cultured in Silk Fibroin SF Scaffolds**
Doğan A. A., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A.
13th International Conference on Nanosciences & Nanotechnologies (NN16), Thessaloniki, Greece, 5 - 08 July 2016, (Summary Text)

XXI. **Hipoksinin Grafen Oksit Film Üzerine Ekilmiş SH-SY5Y Hücrelerine Etkilerinin Araştırılması**
Çoruk P., Görgün C., Kayhan B., TAŞDEMİR Ş., ŞENGÜL G., ŞENDEMİR ÜRKMEZ A.
14. Ulusal Sinirbilim Kongresi, Turkey, 26 - 29 May 2016, (Summary Text)

XXII. **Glutamat stresinin Grafen Oksit Film Üzerine Ekilen B35Hücre Hattı üzerine Etkilerinin İncelenmesi**
Kayhan B., TAŞDEMİR Ş., Çoruk P., Görgün C., ŞENDEMİR ÜRKMEZ A., ŞENGÜL G.
14. Ulusal Sinirbilim Kongresi, Turkey, 26 - 29 May 2016, (Summary Text)

XXIII. **Investigation of Cycloastragenol s neuroprotective and neuroregenerative effects in 3D in vitro model of Attention Deficit and Hiperactivity Disorder and Parkinson s Disease**
Doğan A. A., TAŞDEMİR Ş., BEDİR E., ŞENDEMİR ÜRKMEZ A., AKKURT M., ÇAKIR A.
VIIth Bioengineering Congress (BEC2015), İzmir, Turkey, 19 - 21 November 2015, (Summary Text)

XXIV. **Enzymatic transesterifications of soybean oil and microalgal oil using immobilized lipase on Fe3O4 magnetic nanospheres as biocatalyst**
TAŞDEMİR Ş., BAYIR E., Raziye Hilal Ş., Ural Z., FEYZİOĞLU E., AKGÖL S., ELİBOL M.
VIIth Bioengineering Congress (BEC2015), İzmir, Turkey, 19 - 21 November 2015, (Summary Text)

XXV. **Comparison of microtissue forming capacityof SH SY5Y and SKNAS cell lines**
Doğan A. A., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A., HANAĞASI H. A.
VIIth Bioengineering Congress (BEC2015), İzmir, Turkey, 19 - 21 November 2015, (Summary Text)

XXVI. **Preparation and characterization of iron oxide nanoparticles for enzyme immobilization**
TAŞDEMİR Ş., BAYIR E., ELİBOL M.
VIIth Bioengineering Congress (BEC2015), İzmir, Turkey, 19 - 21 November 2015, (Summary Text)

XXVII. **Determination of Biocompatibility of Silk Fibroin SF Hydroxyapatite Hap Nano fiber Composite Coated Polyether ether ketone PEEK Spinal Implants**
Doğan A. A., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A., ŞAHİN H.
21st International Biomedical Science and Technology Symposium (BIOMED2015), Antalya, Turkey, 22 - 24 October 2015, (Summary Text)

XXVIII. **Lipase Immobilization Onto Novel Magnetic Nanoparticles**
Raziye Hilal Ş., Ural Z., FEYZİOĞLU E., Ceren B., TAŞDEMİR Ş., ELİBOL M., AKGÖL S.
9th Affinity Tecniques Symposium with Contribution (AFFTECH 2015), Muğla, Turkey, 6 - 09 September 2015, (Summary Text)

XXIX. **Investigation of the Effects of Hypoxia on SH SY5Y cells on Graphene Oxide Sheets**
Pelin Ç., Cansu G., Buse K., TAŞDEMİR Ş., ŞENGÜL G., ŞENDEMİR ÜRKMEZ A.
XXIV. International Symposium on Morphological Sciences (ISMS 2015), İstanbul, Turkey, 2 - 06 September 2015, (Summary Text)

XXX. **Investigation of the Effects of Glutamate Stress in a Model Central Nervous System Cell Line on Graphene Oxide Sheets**
Buse K., TAŞDEMİR Ş., Pelin Ç., Görgün C., ŞENDEMİR ÜRKMEZ A., ŞENGÜL G., ARICI M., KODAL M., TUNÇBİLEK E.

XXIV. International Symposium on Morphological Sciences (ISMS 2015), İstanbul, Turkey, 2 - 06 September 2015, (Summary Text)

XXXI. **Production of Graphene Reinforced Poly caprolactone PCL Scaffolds**
Coşar G., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A.
8th International Symposium on Flexible Organic Electronics (ISFOE15), Selanik, Greece, 6 - 09 July 2015, (Summary Text)

XXXII. **Cell Proliferation Performance of Polycaprolactone Hydroxy Apatite Composites in Tissue Engineering**
Küçükgöksel Y., TAŞDEMİR Ş., ŞENDEMİR ÜRKMEZ A., CESUR S.
4th International Polymeric Composites Symposium, İzmir, Turkey, 7 - 09 May 2015, pp.65-70, (Full Text)

XXXIII. **Anestezi Altındaki Farelerde Anti Aritmik Ajanların Amiodarone D Sotalol Quinidine Kalp Atım Hızı Değişkenliği Üzerine Etkisi**
KAZDAĞLI H., ALPAY Ş., TAŞDEMİR Ş., ÖZEL H. F., ÖZBEK M.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014

XXXIV. **Anestezi Altındaki Farelerde Anti Aritmik İlaçlarin EKG Üzerine Etkileri**
ALPAY Ş., Alenbey M., TAŞDEMİR Ş., KAZDAĞLI H., ÖZEL H. F., ÖZBEK M.
40. Ulusal Fizyoloji Kongresi, Turkey, 2 - 06 September 2014, (Summary Text)

XXXV. **Cytotoxicity of Silk Fibroin Shell Hyaluronic Acid and Olive Leaf Extract Core Coaxial Nanofiber Webs**
TETİK G., TAŞDEMİR Ş., BAŞAL BAYRAKTAR G., Deliloğlu Gürhan S. İ.
Nanoscience and Nanotechnology for the Next Generation International Conference (NANOG14), Elazığ, Turkey, 20 - 22 August 2014, pp.55-56, (Summary Text)

XXXVI. **Fe3O4 Reinforced Polycaprolactone Nanofibrous Scaffolds**
Duman O. M., TAŞDEMİR Ş., Minaz M. C., Çelik C., ŞENDEMİR ÜRKMEZ A.
VIth International Bioengineering Congress 'Human Welfare', Aydın, Turkey, 12 - 15 November 2013, (Summary Text)

XXXVII. **PCL Fe3O4 Scaffold Production with Electrospinning**
Duman O. M., TAŞDEMİR Ş., Minaz M. C., Çelik C., ŞENDEMİR ÜRKMEZ A.
Advanced Materials World Congress, Turkey, 16 - 18 September 2013, (Summary Text)

XXXVIII. **Comparison of Attachment and Proliferation Properties of Rat Bone Marrow and Adipose Tissue Derived Mesenchymal Stem Cells on PCL Nanofibrous Surfaces**
TAŞDEMİR Ş., ÇAPKIN YURTSEVER M., ŞENDEMİR ÜRKMEZ A., GÜMÜŞDERELİOĞLU M., Deliloğlu Gürhan S. İ.
19th Congress of the European Society of Biomechanics (ESB), 25 - 28 August 2013, (Summary Text)

XXXIX. **Neuronal Differentiation of Mesenchymal Stem Cells on Fibrous Surfaces by Co Culture Technique**
Demir Ü. S., TAŞDEMİR Ş., Nesil T., Özen M. Ö., ŞENDEMİR ÜRKMEZ A.
18th International Biomedical Science & Technology Symposium, 10 - 13 September 2012, (Summary Text)

XL. **Investigation of Attachment and Proliferation Properties of Rat Bone Marrow and Adipose Tissue Derived Mesenchymal Stem Cells on PCL Nanofibrous Surfaces**
TAŞDEMİR Ş., ÇAPKIN YURTSEVER M., Deliloğlu Gürhan S. İ., GÜMÜŞDERELİOĞLU M.
18th International Biomedical Science & Technology Symposium, Turkey, 10 - 13 September 2012, (Summary Text)

Funded Projects

Taşdemir Ş., Sabırtaş D., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Mikroglia ve SHSY5Y Ko-Kültürü ile 2B ve 3B in vitro Alzheimer Hastalığı Modeli, 2024 - 2025

Taşdemir Ş., İmamoğlu E., Ensari Y., Deniz Can İ., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Biyoteknolojik Yaklaşımlar Kullanarak Polihidroksialkanoat Üretimi ve Kemik Doku Mühendisliğinde Kullanım Potansiyelinin Araştırılması (PHA4Bone), 2024 - 2027

USLU M. E., DENİZ CAN İ., TAŞDEMİR Ş., ÖNCÜ ÖNER T., EROĞLU E., POLATOĞLU İ., KAYA AKKALE H. B., Project

Supported by Higher Education Institutions, BAP Other, Vıı. Ulusal Biyomühendislik Kongresi "Biyomühendislik Uygulamaları" (Bec2024), 2024 - 2024
Taşdemir Ş., Turunç Özoğlu S. E., Tuzcu F., Uyanıkgil Y., Sevimli Gür C., Karakaya G., Olğaç A., Gültekin H. E., Taşkıran D., Aytemir M., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yeni Hidroksipiridinon Türevlerinin Alzheimer Hastalığı Modelleri Üzerinde Nörorejeneratif Etkilerinin Değerlendirilmesi, 2022 - 2026
Taşdemir Ş., Altay L., Yavaşoğlu A., Gürses B. O., Sarıkanat M., Seki Y., Divarcı E., Gürlek G., TUBITAK Project, İmplante Medikal Cihazlar İçin 3B Yazıcıda Basılan, Vücut İçine Yerleştirilen Termoelektrik Güç Üretim Sisteminin Geliştirilmesi, 2021 - 2025
KUTLU A., YEŞİL SARSMAZ H., GÜRGEN S. G., TAŞDEMİR Ş., ÖZDAŞ S., Project Supported by Higher Education Institutions, Arnica Montana'nın Homeopatik Uygulanmasının İn-Vitro 3t3-L1 Fibroblast Hücreleri Üzerindeki Etkisinin Araştırılması, 2021 - 2023
Taşdemir Ş., Şendemir A., İmamoğlu E., TUBITAK Project, Mikroalg İçerikli Yeni Biyokemobriyonik Malzemenin Kemik Doku İskelesi Olarak Kullanım Potansiyelinin Araştırılması, 2021 - 2022
Vatansever H. S., Şendemir A., Gözen O., Karaman O., Turunç Özoğlu S. E., Doğan Gürbüz A. A., Kanıt L., Yalçın A., TUBITAK Project, Demir Oksit (Fe3o4) Nanopartikül Ve Grafen Katkılı Kendiliğinden Dizilen Peptid Doku Mühendisliği Ürünlerinin In Vitro Ve In Vivo Parkinson Hastalığı Modellerinde Nörorejeneratif Etkisinin İncelenmesi, 2016 - 2019
Elibol M., TUBITAK Project, Demir Oksit Manyetik Nanopartikülleri Üzerineİmmobilize Edilen Lipazların Biyodizel Üretiminde Kullanımının Araştırılması, 2014 - 2015
TAŞDEMİR Ş., ALPAY Ş., ÖZBEK M., Project Supported by Higher Education Institutions, Anestezi Altındaki Farelerde Anti-Aritmik İlaçların Elektrokardiyografi üzerine Etkilerinin İncelenmesi, 2013 - 2015
Taşdemir Ş., Project Supported by Higher Education Institutions, Elektroeğirme Yöntemiyle Üretilen PEO Fe3O4 Nanofibröz Yüzeyler Üzerinde PC12 Hücrelerinin Nöronal Farklılaştırılması ve Nörotransmitter Üretim Miktarının İncelenmesi, 2013 - 2014
Taşdemir Ş., Deliloğlu Gürhan İ., Project Supported by Higher Education Institutions, Sıçan Kemik İliğinden ve Yağ Dokusundan Elde Edilen Mezenkimal Kök Hücrelerin Doku Mühendisliğinde Kullanılmak Üzere PCL Nanofibröz Yüzeyler Üzerinde Tutunma ve Çoğalma Özelliklerinin İncelenmesi, 2011 - 2012

Peer Reviews in Scientific Publications

TURKISH JOURNAL OF BIOLOGY, Other journals, January 2017

Metrics

Publication: 55
Citation (Scopus): 63
H-Index (Scopus): 5

Artistic Activity

TAŞDEMİR Ş., Biyoterapötikler ve 3 Boyutlu Biyoarayüzler Çalıştayı, November 2017
TAŞDEMİR Ş., Emergence of Engineered Models in Personalizing Regenerative Medicine Workshop, November 2015
TAŞDEMİR Ş., Bioengineering as Art, November 2015

Non Academic Experience

ONKİM Kök Hücre Teknolojileri Tic. San. A.Ş., Stajyer