

Lect. PhD TUĞBA ENDOĞAN TANIR

Personal Information

Office Phone: [+90 312 210 7438](tel:+903122107438)

Email: endogan@metu.edu.tr

Web: <https://avesis.metu.edu.tr/endogan>

Address: ODTÜ Merkez Laboratuvar

International Researcher IDs

ScholarID: TFGuNOIAAAAJ

ORCID: 0000-0002-7241-1437

Publons / Web Of Science ResearcherID: LMN-8548-2024

ScopusID: 56339847300

Yoksis Researcher ID: 163718

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Polimer Bilim Ve Teknoloji (Dr), Turkey 2005 - 2013

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya (YI) (Tezli), Turkey 2003 - 2005

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 1998 - 2003

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Preparation and Characterization of Polymeric Hard Tissue Supports, Middle East Technical University, Graduate School of Natural and Applied Sciences, Polimer Bilim Ve Teknoloji (Dr), 2013

Postgraduate, Preparation and Characterization of Acrylic Bone Cements, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya (YI) (Tezli), 2005

Research Areas

Natural Sciences

Academic Titles / Tasks

Expert, Middle East Technical University, Presidency Office, Merkez Laboratuvar, 2010 - Continues

- I. **Variations of chemical, physical, mechanical properties, and biological and antimicrobial effectiveness of Ti alloys by coating with CaP doped with different amounts of Zn via micro-arc oxidation (MAO) technique**
BÜYÜKSUNGUR S., Parau A. C., Dinu M., Pana I., Vitelaru C., Schmidt J., ENDOĞAN TANIR T., Hasirci V., Vladescu (Dragomir) A., Hasirci N.
Ceramics International, vol.50, no.19, pp.37096-37110, 2024 (SCI-Expanded)
- II. **Enhancing esophageal repair with bioactive bilayer mesh containing FGF**
Cesur O., ENDOĞAN TANIR T., Celepli P., Ozarslan F., Hucumenoglu S., KARAİBRAHİMOĞLU A., HASIRCI N.
SCIENTIFIC REPORTS, vol.11, no.1, 2021 (SCI-Expanded)
- III. **Preparation and characterization of poly(epsilon-caprolactone) scaffolds modified with cell-loaded fibrin gel**
Malikmammadov E., ENDOĞAN TANIR T., KIZILTAY A., Hasirci N.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.125, pp.683-689, 2019 (SCI-Expanded)
- IV. **Synthesis and characterization of polycaprolactone-based segmented polyurethanes**
Guney A., KIZILTAY A., HASIRCI N., ENDOĞAN TANIR T.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.2, pp.452-463, 2019 (SCI-Expanded)
- V. **PCL-TCP wet spun scaffolds carrying antibiotic-loaded microspheres for bone tissue engineering**
Malikmammadov E., ENDOĞAN TANIR T., KIZILTAY A., Hasirci V., Hasirci N.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.29, pp.805-824, 2018 (SCI-Expanded)
- VI. **PCL and PCL-based materials in biomedical applications**
Malikmammadov E., ENDOĞAN TANIR T., KIZILTAY A., Hasirci V., Hasirci N.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.29, pp.863-893, 2018 (SCI-Expanded)
- VII. **3D printed poly(epsilon-caprolactone) scaffolds modified with hydroxyapatite and poly(propylene fumarate) and their effects on the healing of rabbit femur defects**
Büyüksungur S., Tanir T., Büyüksungur A., Bektas E. I., Kose G. T., Yücel D., Beyzadeoglu T., Çetinkaya E., Yenigün C., Tönük E., et al.
BIOMATERIALS SCIENCE, vol.5, no.10, pp.2144-2158, 2017 (SCI-Expanded)
- VIII. **Preparation and Characterization of Chitosan and PLGA-Based Scaffolds for Tissue Engineering Applications**
ENDOĞAN TANIR T., Hasirci V., Hasirci N.
POLYMER COMPOSITES, vol.36, no.10, pp.1917-1930, 2015 (SCI-Expanded)
- IX. **Electrospinning of chitosan/poly(lactic acid-co-glycolic acid)/hydroxyapatite composite nanofibrous mats for tissue engineering applications**
ENDOĞAN TANIR T., Hasirci V., Hasirci N.
POLYMER BULLETIN, vol.71, no.11, pp.2999-3016, 2014 (SCI-Expanded)
- X. **Acrylic Bone Cements: Effects of the Poly(methyl methacrylate) Powder Size and Chitosan Addition on Their Properties**
ENDOĞAN TANIR T., KIZILTAY A., Kose G. T., ÇOMUNOĞLU N., Beyzadeoglu T., Hasirci N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.3, 2014 (SCI-Expanded)
- XI. **Effects of Ethylene Oxide Resterilization and In-vitro Degradation on Mechanical Properties of Partially Absorbable Composite Hernia Meshes**
ENDOĞAN TANIR T., Ozyaylali I., Kulacoglu H., Serbetci K., Kiyak G., Hasirci N.
CHIRURGIA, vol.108, no.6, pp.840-848, 2013 (SCI-Expanded)
- XII. **Gelatin Based Scaffolds and Effect of EGF Dose on Wound Healing**
Bilgic H., Demiriz M., Ozler M., Ide T., Dogan N., Gumus S., KIZILTAY A., ENDOĞAN TANIR T., HASIRCI V. N., Hasirci N.
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.3, no.2, pp.205-211, 2013 (SCI-Expanded)
- XIII. **Modification of Acrylic Bone Cements with Oxygen Plasma and Additives**
ENDOĞAN TANIR T., KIZILTAY A., Hasirci V., Hasirci N.
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.2, no.3, pp.236-243, 2012 (SCI-Expanded)
- XIV. **Blood compatibility of polymers derived from natural materials**
Fedel M., ENDOĞAN TANIR T., Hasirci N., Maniglio D., Morelli A., Chiellini F., Motta A.

JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.27, no.4, pp.295-312, 2012 (SCI-Expanded)

XV. Microfabrication of PDLA scaffolds

Carletti E., ENDOĞAN TANIR T., Hasirci N., HASIRCI V. N., Maniglio D., Motta A., Migliaresi C.

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.5, no.7, pp.569-577, 2011 (SCI-Expanded)

XVI. Comparison of in vitro cytotoxicity and genotoxicity of MMA-based polymeric materials and various metallic materials

GÜLÇE İZ S., Gurhan S. I. D., Sen B. H., ENDOĞAN TANIR T., HASIRCI N.

TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.6, pp.905-916, 2010 (SCI-Expanded)

XVII. Effect of oxygen plasma on surface properties and biocompatibility of PLGA films

Hasirci N., ENDOĞAN TANIR T., Vardar E., KIZILTAY A., Hasirci V.

SURFACE AND INTERFACE ANALYSIS, vol.42, pp.486-491, 2010 (SCI-Expanded)

XVIII. Effects of Local and Sustained Release of FGF, IGF, and GH on Germ Cells in Unilateral Undescended Testis in Rats

Bingol-Kologlu M., Bahadir G. B., Vargun R., Ilkay H., Bagriacik E. U., Yolbakan S., Guven C., Endogan T., Hasirci N., Dindar H.

UROLOGY, no.1, pp.223-228, 2010 (SCI-Expanded)

XIX. Effects of Ingredients on Thermal and Mechanical Properties of Acrylic Bone Cements

ENDOĞAN TANIR T., Serbetci K., Hasirci N.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.113, no.6, pp.4077-4084, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. Biyomürekkepler

ENDOĞAN TANIR T.

Türkiye Klinikleri Tıp Bilimleri Dergisi, pp.32-39, 2024 (Scopus)

Books & Book Chapters

I. Sentetik Hidrojeller

Endoğan Tanır T.

in: Doku Mühendisliği Hidrojeller ve Biyomürekkepler 3-Boyutlu Organ Yapımı, Nesrin Hasırcı, Vasıf Hasırcı, Editor, ODTÜ Yayıncılık, Ankara, pp.83-100, 2023

II. Biomaterials Surface Properties: Implications in Immune Response

ENDOĞAN TANIR T., ESENDAĞLI G., AKSOY E. A.

in: Biomaterials and Immune Response: Complications, Mechanisms and Immunomodulation, Vrana, Nihal Engin, Editor, CRC Press Taylor Francis Group, pp.121-140, 2018

III. Polymer Fundamentals: Polymer Synthesis

Hasırcı N., Hasırcı V. N., Huri P., Endoğan Tanır T., Eke G.

in: Comprehensive Biomaterials, P. Ducheyne, K.E. Healy, D.W. Huttmacher, D.W. Grainger, C.J. Kirkpatrick, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.478-506, 2017

IV. Polymer Fundamentals: Polymer Synthesis

HASIRCI V. N., HURİ P., ENDOĞAN TANIR T., EKE G., HASIRCI N.

in: Comprehensive Biomaterials, P. Ducheyne, K.E. Healy, D.W. Huttmacher, D.W. Grainger, C.J. Kirkpatrick, Editor, Elsevier, pp.478-506, 2017

V. Polymer Fundamentals: Polymer Synthesis

HASIRCI V. N., HURİ P., ENDOĞAN TANIR T., EKE G., HASIRCI N.

in: Comprehensive Biomaterials, P. Ducheyne, K.E. Healy, D.W. Huttmacher, D.W. Grainger, C.J. Kirkpatrick, Editor, Elsevier, pp.478-506, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **PCL-Fibrin Scaffolds for Tissue Engineering**
Malikmammadov E., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI V. N., HASIRCI N.
22nd International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- II. **Polymeric bilayer scaffolds co-cultured with L929 and BMSCs for periodontal applications**
KIZILTAY A., DÜZENLİ İ., ENDOĞAN TANIR T., HASIRCI N.
22nd International Biomedical Science Technology Symposium, BIOMED 2017, Ankara, Turkey, 12 - 14 May 2017
- III. **PCL-Fibrin scaffolds for bone tissue engineering applications**
malikmammadov e., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI V. N., HASIRCI N.
22nd International Biomedical Science Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- IV. **Platelet adhesion and protein adsorption on heparin immobilized graphene enhanced poly acrylonitrile co ethyl methacrylate copolymer membranes**
ENDOĞAN TANIR T., VARGÜN E., Yıldız Ünal A., HASIRCI N.
World Polymer Congress Macro 2016, 17 - 21 July 2016
- V. **Surface modified multi-functional PCL/TCP fibrous scaffolds**
MALİKMAMMADOV E., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI N., HASIRCI V. N.
10th World Biomaterials Congress, 17 - 22 May 2016
- VI. **PCL based Bilayer Scaffolds for Dental Tissue Engineering**
Düzenli İ., KIZILTAY A., ENDOĞAN TANIR T., HASIRCI V. N., HASIRCI N.
21st International Biomedical Science and Technology Symposium, Antalya, Turkey, 22 - 24 October 2015
- VII. **Modelling of 3D Scaffolds for Patient Specific Implants**
BÜYÜKSUNGUR A., ENDOĞAN TANIR T., HASIRCI N., HASIRCI V. N.
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- VIII. **Functional PCL Scaffolds Local Antibiotic Delivery in Bone Tissue Engineering Applications**
Malikmammadov E., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI V. N., HASIRCI N.
21st International Biomedical Science and Technology Symposium, Antalya, Turkey, 22 - 24 October 2015
- IX. **PCL Wet Spun Scaffolds for Antibiotic Delivery**
MALİKMAMMADOV E., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI N.
11th Frontiers in Biomedical Polymers Symposium, 8 - 11 July 2015
- X. **Graphene nanosheet poly acrylonitrile co ethyl methacrylate copolymer film preparation and antibacterial performance**
ENDOĞAN TANIR T., VARGÜN E., HASIRCI N.
11th Nanoscience and Nanotechnology Conference (NanoTR-11), Turkey, 22 - 25 June 2015
- XI. **Chitosan PLGA nanofibers prepared by electrospinning for tissue engineering applications**
ENDOĞAN TANIR T., HASIRCI V. N., HASIRCI N.
Termis-EU, 17 - 20 June 2013
- XII. **Doğal polimer temelli kompozit filmlerin sert doku mühendisliğine yönelik hazırlanması ve karakterizasyonu**
IŞIKLI C., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI V. N., HASIRCI N.
BİYOMUT 2010 - 15. Biyomedikal Mühendisliği Ulusal Toplantısı, Antalya, Turkey, 21 - 24 April 2010
- XIII. **Chitosan Gelatin Scaffolds Prepared For Hard Tissue Engineering Approaches**
IŞIKLI C., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI V. N., HASIRCI N.
BIOMED 2009 - 15th Biomedical Science and Technology Symposium, Güzelyurt, Cyprus (Kktc), 16 - 19 August 2009
- XIV. **Chitosan Containing Acrylic Bone Cement Formulations**
ENDOĞAN TANIR T., KIZILTAY A., KÖSE G., ÇOMUNOĞLU N., BEYZADEOĞLU T., HASIRCI N.
BIOMED 2009 - 15th Biomedical Science and Technology Symposium, Güzelyurt, Cyprus (Kktc), 16 - 19 August 2009
- XV. **Preparation and investigation of biological effects of EGF containing gelatin sponges as wound healing matrices**

BİLGİÇ H., DEMİRİZ M., ÖZLER M., İDE T., DOĞAN N., GÜMÜŞ S., KIZILTAY A., ENDOĞAN TANIR T., HASIRCI N.
BIOMED 2009 - 15th Biomedical Science and Technology Symposium, Güzelyurt, Cyprus (Kkctc), 16 - 19 August
2009

- XVI. **İç içe geçmiş kitosan mikron ağ yapılarından antikanser ilaç hedefleme**
ÖZERKAN T., GÜNBAŞ İ. D., ENDOĞAN TANIR T., KIZILTAY A., GÜLCE S., GÜRHAN İ., HASIRCI N.
13. Biyomedikal Mühendisliği Ulusal Toplantısı, Ankara, Turkey, 29 - 31 May 2008
- XVII. **Akrilik kemik çimentosu formülasyonlarında etkin parametreler**
ENDOĞAN TANIR T., KIZILTAY A., HASIRCI N.
13. Biyomedikal Mühendisliği Ulusal Toplantısı, Ankara, Turkey, 29 - 31 May 2008
- XVIII. **Production of PDLA and PLGA scaffolds by microfabrication and electrospinning techniques**
Carletti E., ENDOĞAN TANIR T., Motta A., Maniglio D., HASIRCI V. N., Hasirci N., Migliaresi C.
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Oporto,
Portugal, 22 - 26 June 2008, vol.14, pp.771
- XIX. **Oxygen Plasma Modified Acrylic Bone Cements**
ENDOĞAN TANIR T., KIZILTAY A., HASIRCI N.
13th Biomedical Science & Technology Symposium - BIOMED 2007, İstanbul, Turkey, 26 - 28 August 2007
- XX. **Akrilik kemik çimentosu formülasyonlarının hazırlanması ve karakterizasyonu**
KIZILTAY A., ENDOĞAN TANIR T., HASIRCI N.
I. Ulusal Polimer Bilim ve Teknoloji Kongresi ve Sergisi, Ankara, Turkey, 21 - 23 June 2006

Supported Projects

ENDOĞAN TANIR T., TUBITAK Project, Doku Mühendisliği Yöntemi ile Hastaya Özel Ortopedik İmplant Tasarımı ve Üretimi, 2014 - 2017

Metrics

Publication: 46

Citation (WoS): 866

Citation (Scopus): 953

H-Index (WoS): 12

H-Index (Scopus): 13