

## Prof. Dr. Vasif Nejat HASIRCI

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, The University Of Reading, Kimya, Birleşik Krallık 1973 - 1976

Lisans, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1967 - 1971

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Yüksek Lisans, Yeni bir polimerizasyon katalizörü olan Luperox (2,5- dimetil 2,5-dihidro-peroksi heksan)'ın polimerizasyon başlatıcısı olarak kullanılması : reaksiyon kinetiği, katalizörün ayrışması ve molekül ağırlığı dağılımı, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 1973

### Araştırma Alanları

Sağlık Bilimleri

### Akademik Unvanlar / Görevler

Prof. Dr., Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik ve Doğa Bilimleri Fakültesi, Biyomedikal Mühendisliği Bölümü, 2018 - Devam Ediyor

Prof. Dr., Orta Doğu Teknik Üniversitesi, Biyolojik Bilimler Bölümü, 1989 - 2016

Ücr.Öğretim Görevlisi, Northeastern University, Engineering, Chemical Engineering, 1998 - 1999

Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, 1982 - 1989

Ücr.Öğretim Görevlisi, Drexel University, Engineering, Materials, 1982 - 1984

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, 1976 - 1982

### Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Acibadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, 2021 - Devam Ediyor

Araştırma Enstitüsü Müdürü, Acıbadem Mehmet Ali Aydınlar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi,  
Biomaterials Research and Application Center , 2020 - Devam Ediyor  
Orta Doğu Teknik Üniversitesi, 2012 - Devam Ediyor

## Verdiği Dersler

Advances in Biomaterials, Doktora, 2023 - 2024

ADVANCED BIOMATERIALS, Doktora, 2018 - 2019, 2015 - 2016, 2014 - 2015

Bio 321 Bioanalytical Chemistry, Lisans, 2018 - 2019, 2017 - 2018, 2016 - 2017

Fundamentals of Polymeric Biomaterials, Yüksek Lisans, 2018 - 2019

Bio 584 Advances in Biomaterials, Doktora, 2017 - 2018, 2016 - 2017

Bio 415 Physical Chemistry for Biological Sciences, Lisans, 2017 - 2018

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bioanalytical chemistry, Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

## Yönetilen Tezler

Yücel D., Hasırcı V. N., In Vitro Üç Boyutlu Kan-Beyin Bariyeri Modelinin Geliştirilmesi, Doktora, G.Ervin(Öğrenci), Devam Ediyor

Yücel D., Hasırcı V. N., Development of 3D-bioprinted glioblastoma model to mimic in vivo tumor microenvironment, Doktora, Ş.İşık(Öğrenci), Devam Ediyor

Hasırcı V. N., Kenar H., A tissue engineered in vitro blood air barrier model to study respiratory viral infections, Bütünleşik Doktora, N.SEVİNÇ(Öğrenci), Devam Ediyor

Hasırcı V. N., Keskin D., INVESTIGATING THE CONTRIBUTION OF MACROPHAGES, HUVEC CELLS, TOPOGRAPHICAL CUES, AND SCAR INHIBITING ENZYMES ON NERVE REGENERATION., Bütünleşik Doktora, D.GÖKSU(Öğrenci), Devam Ediyor

Yücel D., Hasırcı V. N., Development of a 3D Bioprinted Scaffold for the Repair of Glial Scar Model in Chronic Spinal Cord Injuries, Yüksek Lisans, A.Akalın(Öğrenci), Devam Ediyor

Kenar H., Hasırcı V. N., İnsan Plasenta Membranından Pediyatrik Kalp Ameliyatlarında Kullanılabilecek Doku İskelesi Geliştirilmesi, Yüksek Lisans, B.Uzunkaya(Öğrenci), 2023

Yücel D., Hasırcı V. N., Doku Mühendisliğiyle Ön Çapraz Bağ (ÖÇB) Elektroçirilmiş İmplant Hazırlanması, Yüksek Lisans, S.Ege(Öğrenci), 2023

Yücel D., Hasırcı V. N., Osteokondral Doku Mühendisliği için Bifonksiyonel Doku Eşleniği Tasarımı, Yüksek Lisans, D.Başöz(Öğrenci), 2022

Hasırcı V. N., Development of a Composite Guide for Peripheral Nerve Regeneration, Bütünleşik Doktora, D.ARSLANTUNALI(Öğrenci), 2022

Hasırcı V. N., PATIENT-SPECIFIC ORTHOPEDIC IMPLANT DESIGN AND PRODUCTION WITH TISSUE ENGINEERING METHOD, Doktora, S.BÜYÜKSUNGUR(Öğrenci), 2019

Hasırcı V. N., Design and in vitro Testing of a Peripheral Nerve Guide, Yüksek Lisans, D.GÖKSU(Öğrenci), 2019

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Hasırcı V. N., Yücel D., A BIO AND SYNTHETIC POLYMER BASED NERVE GUIDE TESTED UNDER IN VITRO AND IN VIVO CONDITIONS, Doktora, T.DURSUN(Öğrenci), 2019

Hasırcı V. N., A polymeric implant for lumbar bone defects, Yüksek Lisans, B.Büşra(Öğrenci), 2015

Hasırcı V. N., In vitro characterization and nuclear delivery of poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) (PHBV) based nanoparticles, Yüksek Lisans, A.Şahin(Öğrenci), 2015

## Jüri Üyelikleri

Ödül, ODTÜ Parlar Vakfı Araştırma Teşvik Ödülü , ODTÜ M Parlar Vakfı, Ekim, 2023

Ödül, BAGEP Bilim Akademisi Genç BA , Acibadem Mehmet Ali Aydınlar Üniversitesi, Mart, 2023

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Acibadem Mehmet Ali Aydınlar University, Mart, 2023

Doçentlik Sınavı, Doçentlik Sınavı, Acibadem Mehmet Ali Aydınlar University, Aralık, 2022

Doçentlik Sınavı, Doçentlik Sınavı, Acibadem Mehmet Ali Aydınlar University, Haziran, 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Development of a Tri-Layered Vascular Construct and In Vitro Evaluation of Endothelization**  
Kole G. E., Hasirci V. N., Yucel D.  
MACROMOLECULAR BIOSCIENCE, cilt.24, sa.5, 2024 (SCI-Expanded)
- II. **In vitro cytotoxicity, corrosion and antibacterial efficiencies of Zn doped hydroxyapatite coated Ti based implant materials**  
Buyuksungur S., HURİ P., Schmidt J., Pana I., Dinu M., Vitelaru C., Kiss A. E., Tamay D. G., HASIRCI V. N., Vladescu A., et al.  
CERAMICS INTERNATIONAL, cilt.49, sa.8, ss.12570-12584, 2023 (SCI-Expanded)
- III. **Nuclear Deformability of Breast Cells Analyzed from Patients with Malignant and Benign Breast Diseases**  
Antmen E., Ermis M., Kuren O., Beksac K., Irkkan C., HASIRCI V. N.  
ACS BIOMATERIALS SCIENCE & ENGINEERING, cilt.9, sa.3, ss.1629-1643, 2023 (SCI-Expanded)
- IV. **Zn doped CaP coatings used for controlling the degradation rate of MgCa1 alloy: <i>In vitro</i> anticorrosive properties, sterilization and bacteria/cell-material interactions**  
Schmidt J., Pana I., Bystrova A., Dinu M., Dekhtyar Y., Vitelaru C., Gorohovs M., Marinescu I. M., HURİ P., Tamay D. G., et al.  
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.222, 2023 (SCI-Expanded)
- V. **Injectable methacrylated gelatin/thiolated pectin hydrogels carrying melatonin/tideglusib-loaded core/shell PMMA/silk fibroin electrospun fibers for vital pulp regeneration**  
Atila D., KESKİN D., Lee Y., Lin F., HASIRCI V. N., TEZCANER A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.222, 2023 (SCI-Expanded)
- VI. **Coaxial electrospinning of composite mats comprised of core/shell poly(methyl methacrylate)/silk fibroin fibers for tissue engineering applications**  
Atila D., HASIRCI V. N., TEZCANER A.  
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- VII. **Fabrication of a 3D Printed PCL Nerve Guide: In Vitro and In Vivo Testing**  
Dursun Usal T., Yesiltepe M., Yucel D., Sara M. Y., Hasirci V. N.  
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- VIII. **In vitro evaluation of injectable Tideglusib-loaded hyaluronic acid hydrogels incorporated with Rg1-loaded chitosan microspheres for vital pulp regeneration**  
Atila D., Chen C., Lin C., Lee Y., HASIRCI V. N., TEZCANER A., Lin F.  
CARBOHYDRATE POLYMERS, cilt.278, 2022 (SCI-Expanded)
- IX. **Corrosion Resistance and Cytocompatibility of Magnesium-Calcium Alloys Modified with Zinc- or Gallium-Doped Calcium Phosphate Coatings**  
Tamay D. G., Gokyer S., Schmidt J., Vladescu A., HURİ P., Hasirci V. N., HASIRCI N.  
ACS APPLIED MATERIALS & INTERFACES, cilt.14, sa.1, ss.104-122, 2022 (SCI-Expanded)
- X. **A Cell Culture Chip with Transparent, Micropillar-Decorated Bottom for Live Cell Imaging and Screening of Breast Cancer Cells**  
Ermis M., ANTMEN ALTUNSOY E., Kuren O., Demirci U., Hasirci V. N.

MICROMACHINES, cilt.13, sa.1, 2022 (SCI-Expanded)

- XI. **The role of biomaterials and scaffolds in immune responses in regenerative medicine: macrophage phenotype modulation by biomaterial properties and scaffold architectures**  
ANTMEN ALTUNSOY E., Vrana N. E., HASIRCI V. N.  
BIOMATERIALS SCIENCE, cilt.9, sa.24, ss.8090-8110, 2021 (SCI-Expanded)
- XII. **3D printed hybrid bone constructs of PCL and dental pulp stem cells loaded GelMA**  
Buyuksungur S., HASIRCI V. N., HASIRCI N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, cilt.109, sa.12, ss.2425-2437, 2021 (SCI-Expanded)
- XIII. **Evaluating Oxygen Tensions Related to Bone Marrow and Matrix for MSC Differentiation in 2D and 3D Biomimetic Lamellar Scaffolds**  
Sayin E., Baran E. T., Elsheikh A., Mudera V., Cheema U., Hasirci V. N.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.22, sa.8, 2021 (SCI-Expanded)
- XIV. **Micropatterned Surfaces Expose the Coupling between Actin Cytoskeleton-Lamin/Nesprin and Nuclear Deformability of Breast Cancer Cells with Different Malignancies**  
ANTMEN ALTUNSOY E., Demirci U., HASIRCI V. N.  
ADVANCED BIOLOGY, cilt.5, sa.1, 2021 (SCI-Expanded)
- XV. **3D cellular alignment and biomimetic mechanical stimulation enhance human adipose-derived stem cell myogenesis**  
Ergene E., Bilecen D. S., KAYA B., HURİ P., HASIRCI V. N.  
BIOMEDICAL MATERIALS, cilt.15, sa.5, 2020 (SCI-Expanded)
- XVI. **A two-compartment bone tumor model to investigate interactions between healthy and tumor cells**  
Komez A., BÜYÜKSUNGUR A., ANTMEN ALTUNSOY E., Swieszkowski W., HASIRCI N., HASIRCI V. N.  
BIOMEDICAL MATERIALS, cilt.15, sa.3, 2020 (SCI-Expanded)
- XVII. **The effect of introduction of filament shift on degradation behaviour of PLGA- and PLCL-based scaffolds fabricated via additive manufacturing**  
Walejewska E., Idaszek J., Heljak M., Chlanda A., Choinska E., Hasirci V. N., Swieszkowski W.  
POLYMER DEGRADATION AND STABILITY, cilt.171, 2020 (SCI-Expanded)
- XVIII. **Cell loaded 3D bioprinted GelMA hydrogels for corneal stroma engineering**  
Kilic Bektas C., Hasirci V. N.  
Biomaterials Science, cilt.8, sa.1, ss.438-449, 2020 (SCI-Expanded)
- XIX. **Methacrylated gelatin hydrogels as corneal stroma substitutes: in vivo study**  
Bektas C. K., Burcu A., Gedikoglu G., Telek H. H., Ornek F., Hasirci V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.30, sa.18, ss.1803-1821, 2019 (SCI-Expanded)
- XX. **Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies**  
ANTMEN ALTUNSOY E., Demirci U., HASIRCI V. N.  
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.183, 2019 (SCI-Expanded)
- XXI. **Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies**  
Hasirci V. N.  
Colloids And Surfaces B-Biointerfaces, cilt.183, sa.110402, ss.1-12, 2019 (SCI-Expanded)
- XXII. **Anatomical meniscus construct with zone specific biochemical composition and structural organization**  
Bahcecioglu G., Bilgen B., HASIRCI N., HASIRCI V. N.  
BIOMATERIALS, cilt.218, 2019 (SCI-Expanded)
- XXIII. **3D and 4D Printing of Polymers for Tissue Engineering Applications**  
Tamay D. G., Usal T. D., Alagoz A. S., Yucel D., Hasirci N., Hasirci V. N.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, cilt.7, 2019 (SCI-Expanded)
- XXIV. **Square prism micropillars on poly(methyl methacrylate) surfaces modulate the morphology and differentiation of human dental pulp mesenchymal stem cells**  
Hasturk O., ERMİŞ ŞEN M., Demirci U., HASIRCI N., HASIRCI V. N.

COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.178, ss.44-55, 2019 (SCI-Expanded)

- XXV. **An estradiol releasing, proangiogenic hydrogel as a candidate material for use in soft tissue interposition**  
MANGIR N., Eke G., HASIRCI N., Chapple C. R., Hasirci V. N., MacNeil S.  
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- XXVI. **A 3D printed PCL/hydrogel construct with zone-specific biochemical composition mimicking that of the meniscus**  
Bahcecioglu G., HASIRCI N., Bilgen B., Hasirci V. N.  
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- XXVII. **Microfibrous scaffolds from poly(l-lactide-co-ε-caprolactone) blended with xeno-free collagen/hyaluronic acid for improvement of vascularization in tissue engineering applications.**  
Kenar H., Ozdogan C., Dumlu C., Doger E., Kose G., Hasirci V. N.  
Materials science & engineering. C, Materials for biological applications, cilt.97, ss.31-44, 2019 (SCI-Expanded)
- XXVIII. **Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells**  
Antmen E., Ermis M., Demirci U., Hasirci V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, cilt.107, sa.2, ss.366-376, 2019 (SCI-Expanded)
- XXIX. **Effect of chemical structure on properties of polyurethanes: Temperature responsiveness and biocompatibility**  
Komez A., Buyuksungur S., Hasirci V. N., HASIRCI N.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.33, sa.5, ss.479-497, 2018 (SCI-Expanded)
- XXX. **Micro and Nanofabrication methods to control cell-substrate interactions and cell behavior: A review from the tissue engineering perspective**  
Ermis M., Antmen E., Hasirci V. N.  
BIOACTIVE MATERIALS, cilt.3, sa.3, ss.355-369, 2018 (SCI-Expanded)
- XXXI. **PHBV wet-spun scaffold coated with ELR-REDV improves vascularization for bone tissue engineering**  
Alagoz A. S., Rodriguez-Cabello J. C., HASIRCI V. N.  
BIOMEDICAL MATERIALS, cilt.13, sa.5, 2018 (SCI-Expanded)
- XXXII. **Effects of microarchitecture and mechanical properties of 3D microporous PLLA-PLGA scaffolds on fibrochondrocyte and L929 fibroblast behavior**  
Bahcecioglu G., HASIRCI N., HASIRCI V. N.  
BIOMEDICAL MATERIALS, cilt.13, sa.3, 2018 (SCI-Expanded)
- XXXIII. **Square prism micropillars improve osteogenicity of poly(methyl methacrylate) surfaces**  
Hasturk O., ERMİŞ M., Demirci U., HASIRCI N., HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, cilt.29, sa.5, 2018 (SCI-Expanded)
- XXXIV. **Development of PEI-RANK siRNA Complex Loaded PLGA Nanocapsules for the Treatment of Osteoporosis**  
Bilecen D. S., Uludag H., Hasirci V. N.  
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- XXXV. **Mimicking corneal stroma using keratocyte-loaded photopolymerizable methacrylated gelatin hydrogels**  
Bektas C. K., Hasirci V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, cilt.12, sa.4, 2018 (SCI-Expanded)
- XXXVI. **PCL-TCP wet spun scaffolds carrying antibiotic-loaded microspheres for bone tissue engineering**  
Malikmammadov E., Tanir T. E., KIZILTAY A., HASIRCI V. N., HASIRCI N.  
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- XXXVII. **Nuclear targeting peptide-modified, DOX-loaded, PHBV nanoparticles enhance drug efficacy by targeting to Saos-2 cell nuclear membranes**  
Sahin A., Eke G., Buyuksungur A., HASIRCI N., Hasirci V. N.  
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- XXXVIII. **A bilayer scaffold prepared from collagen and carboxymethyl cellulose for skin tissue engineering applications**  
Bektas C. K., Kimiz I., Sendemir A., Hasirci V. N., HASIRCI N.  
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- XXXIX. **PCL and PCL-based materials in biomedical applications**  
Malikmammadov E., Tanir T. E., KIZILTAY A., Hasirci V. N., HASIRCI N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.29, sa.7-9, ss.863-893, 2018 (SCI-Expanded)
- XL. **Development of a UV crosslinked biodegradable hydrogel containing adipose derived stem cells to promote vascularization for skin wounds and tissue engineering**  
Eke G., Mangir N., HASIRCI N., MacNeil S., Hasirci V. N.  
BIOMATERIALS, cilt.129, ss.188-198, 2017 (SCI-Expanded)
- XLI. **Construction of a PLGA based, targeted siRNA delivery system for treatment of osteoporosis**  
Bilecen D. S., Carlos Rodriguez-Cabello J., Uludag H., Hasirci V. N.  
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- XLII. **A cell attracting composite of lumbar fusion cage**  
Gunay B., Hasirci N., Hasirci V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.28, sa.8, ss.749-767, 2017 (SCI-Expanded)
- XLIII. **A high throughput approach for analysis of cell nuclear deformability at single cell level**  
Ermis M., Akkaynak D., Chen P., Demirci U., Hasirci V. N.  
SCIENTIFIC REPORTS, cilt.6, 2016 (SCI-Expanded)
- XLIV. **Construction of a patterned hydrogelfibrous mat bilayer structure to mimic choroid and Bruch's membrane layers of retina**  
Komez A., Baran E. T., Erdem U., HASIRCI N., Hasirci V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, cilt.104, sa.9, ss.2166-2177, 2016 (SCI-Expanded)
- XLV. **Osteogenic differentiation of adipose derived stem cells on high and low aspect ratio micropatterns**  
Sayin E., Baran E. T., Hasirci V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.26, sa.18, ss.1402-1424, 2015 (SCI-Expanded)
- XLVI. **Biocompatibility of Dead Sea Water and retinyl palmitate carrying poly(3-hydroxybutyrate-co-3-hydroxyvalerate) micro/nanoparticles designed for transdermal skin therapy**  
Eke G., Goni-de-Cerio F., Suarez-Merino B., HASIRCI N., Hasirci V. N.  
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- XLVII. **Poly(ester-urethane) scaffolds: effect of structure on properties and osteogenic activity of stem cells**  
KIZILTAY A., Marcos-Fernandez A., San Roman J., Sousa R. A., Reis R. L., Hasirci V. N., HASIRCI N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, cilt.9, sa.8, ss.930-942, 2015 (SCI-Expanded)
- XLVIII. **pH-Responsive Nano Carriers for Doxorubicin Delivery**  
Bagherifam S., Skjeldal F. M., Griffiths G., Maelandsmo G. M., Engebraten O., Nystrom B., Hasirci V. N., HASIRCI N.  
PHARMACEUTICAL RESEARCH, cilt.32, sa.4, ss.1249-1263, 2015 (SCI-Expanded)
- XLIX. **Tissue engineering of oral mucosa: a shared concept with skin**  
Kinikoglu B., Damour O., Hasirci V. N.  
JOURNAL OF ARTIFICIAL ORGANS, cilt.18, sa.1, ss.8-19, 2015 (SCI-Expanded)
- L. **Poly(sebacic anhydride) nanocapsules as carriers: effects of preparation parameters on properties and release of doxorubicin**  
Bagherifam S., Griffiths G. W., Maelandsmo G. M., Nystrom B., Hasirci V. N., HASIRCI N.  
JOURNAL OF MICROENCAPSULATION, cilt.32, sa.2, ss.166-174, 2015 (SCI-Expanded)
- LI. **Construction of a collagen-based, split-thickness cornea substitute**  
Acun A., HASIRCI V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.25, sa.11, ss.1110-1132, 2014 (SCI-Expanded)
- LII. **Systematically organized nanopillar arrays reveal differences in adhesion and alignment properties of BMSC and Saos-2 cells**  
ÖZÇELİK H. U., Padeste C., Hasirci V. N.

- COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.119, ss.71-81, 2014 (SCI-Expanded)
- LIII. **In vitro and transdermal penetration of PHBV micro/nanoparticles**  
Eke G., Kuzmina A. M., Goreva A. V., Shishatskaya E. I., HASIRCI N., HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, cilt.25, sa.6, ss.1471-1481, 2014 (SCI-Expanded)
- LIV. **A multilayer tissue engineered meniscus substitute**  
Halili A. N., HASIRCI N., Hasirci V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, cilt.25, sa.4, ss.1195-1209, 2014 (SCI-Expanded)
- LV. **Poly(epsilon-caprolactone) Composite Scaffolds Loaded with Gentamicin-Containing beta-Tricalcium Phosphate/Gelatin Microspheres for Bone Tissue Engineering Applications**  
Sezer U. A., Arslantunali D., Aksoy E. A., Hasirci V. N., HASIRCI N.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, sa.8, 2014 (SCI-Expanded)
- LVI. **Multiwalled CNT-pHEMA composite conduit for peripheral nerve repair**  
Arslantunali D., Budak G., Hasirci V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, cilt.102, sa.3, ss.828-841, 2014 (SCI-Expanded)
- LVII. **Chitosan-based wet-spun scaffolds for bioactive agent delivery**  
Ucar S., Yilgor P., Hasirci V. N., HASIRCI N.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.130, sa.5, ss.3759-3769, 2013 (SCI-Expanded)
- LVIII. **A biomimetic growth factor delivery strategy for enhanced regeneration of iliac crest defects**  
Huri P. Y., Huri G., Yasar U., UÇAR Y., DİKMEN N., HASIRCI N., Hasirci V. N.  
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- LIX. **Poly(epsilon-caprolactone) composites containing gentamicin-loaded beta-tricalcium phosphate/gelatin microspheres as bone tissue supports**  
Sezer U. A., Aksoy E. A., Hasirci V. N., HASIRCI N.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.127, sa.3, ss.2132-2139, 2013 (SCI-Expanded)
- LX. **Effect of low level laser therapy and zoledronate on the viability and ALP activity of Saos-2 cells**  
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- I. **Nerve Tissue Model Development on a Micropatterned Surface**  
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- II. Construction of a Hydrogel Based, 3d Bioprinted Corneal Stroma**  
BAŞÖZ D., ÇELEBİ A. R. C., Büyüsungur S., Akalın A., YÜCEL D., HASIRCI N., HASIRCI V. N.  
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- III. Design And Construction Of Capillary-Bed-like Structures With Tubular Nanofibrous Meshes**  
KÖLE G. E., HASIRCI V. N., YÜCEL D.  
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- IV. Development of a 3D Bioprinted Scaffold for the Chronic Spinal Cord Injuries**  
Akalın A., YÜCEL D., HASIRCI V. N.  
12th World Biomaterials Congress (WBC), Daegu, Güney Kore, 26 - 31 Mayıs 2024
- V. Characterization of a 3D Printed, Multilayered Osteochondral Substitute**  
BAŞÖZ D., YÜCEL D., HASIRCI V. N.  
26. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Türkiye, 20 - 23 Eylül 2023
- VI. Development of a Multilayered, Bifunctional Substitute for Osteochondral Tissue Engineering: An in vitro study**  
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- IX. Integration of Mesenchymal Stem Cell-Derived Fibroblast Loaded Hydrogel over the Tubular Scaffold to Mimic the External Layer of Blood Vessel**  
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- X. Sıçanlarda siyatik sinir hasarı modelinde, 3B yazıcı ile üretilen polikaprolakton tüpler sinir iyileşmesini arttırdı**  
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- XIV. 3B Basılı Hücre Taşıyan GelMA Hidrojelleri ile Kornea Stroma Mühendisliği**  
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- XV. Anizotropik Doku İskeleleri ve Hücre Davranışları Üzerine Etkisi**  
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- XXIII. **GelMA-HEMA BCN Hydrogels for Corneal Stroma Engineering**  
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