

## Prof. VASIF NEJAT HASIRCI

### Personal Information

**Email:** vhasirci@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/vhasirci>

### Advising Theses

- HASIRCI V. N. , DEVELOPMENT OF A BONE TUMOR MODEL UNDER IN VITRO CONDITIONS, Doctorate, A.KÖMEZ(Student), 2019
- HASIRCI V. N. , Patient-specific orthopedic implant design and production with tissue engineering method, Doctorate, S.Büyüksungur(Student), 2019
- HASIRCI V. N. , A Bio and synthetic polymer based nerve guide tested under in vitro and in vivo conditions, Doctorate, T.Dursun(Student), 2019
- HASIRCI V. N. , HASIRCI N., Development of a bone tumor model under in vitro conditions, Doctorate, A.Kömez(Student), 2019
- HASIRCI V. N. , Development and characterization of a tissue engineered multicomponent skin substitute and a skin model, Doctorate, G.EKE(Student), 2018
- HASIRCI V. N. , 3D printed, cell carrying gelma hydrogels in corneal stroma engineering, Doctorate, C.BEKTAŞ(Student), 2018
- HASIRCI V. N. , Development of a siRNA delivery system for the treatment of osteoporosis, Doctorate, D.SEZLEV(Student), 2018
- HASIRCI V. N. , A three-dimensional printed, polycaprolactone/hydrogel based, tissue engineered meniscus, Doctorate, G.BAÇECİOĞLU(Student), 2018
- HASIRCI V. N. , Influence of microenvironment on tissue engineering applications, Doctorate, E.SAYIN(Student), 2017
- HASIRCI V. N. , Cell-surface interactions in a breast cancer model, Doctorate, E.ANTMEN(Student), 2017
- HASIRCI V. N. , Influence of micropatterns on human mesenchymal stem cell fate /, Postgraduate, O.HASTÜRK(Student), 2016
- HASIRCI V. N. , Bone tissue engineering using macroporous PHA-PLA and PHBV scaffolds produced by additive manufacturing and wet spinning, Doctorate, A.SELCEN(Student), 2016
- HASIRCI V. N. , Influence of micropatterned polymeric substrates on cancer cell behavior, Doctorate, M.ERMİŞ(Student), 2016
- HASIRCI V. N. , Construction of retina substitute by using tissue engineering approach /, Postgraduate, A.KÖMEZ(Student), 2015
- HASIRCI V. N. , In vitro characterization and nuclear delivery of poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) (PHBV) based nanoparticles /, Postgraduate, A.ŞAHİN(Student), 2015
- HASIRCI V. N. , A polymeric implant for lumbar bone defects, Postgraduate, B.BÜŞRA(Student), 2015
- HASIRCI V. N. , HASIRCI N., A Polymeric material for lumbar bone defects /, Postgraduate, B.Günay(Student), 2015
- HASIRCI V. N. , Controlled doxorubicin delivery from photoresponsive liposomes carrying vitamin A derivatives /, Postgraduate, S.HEPER(Student), 2014
- HASIRCI V. N. , The effect of physical properties of the ELP-collagen based patterned surfaces on cell attachment and deformation, Postgraduate, E.ANTMEN(Student), 2013
- HASIRCI V. N. , Tissue engineering of small diameter vascular grafts by using PCL/collagen based scaffolds, Postgraduate, S.ÖNCÜ(Student), 2013
- HASIRCI V. N. , Preparation and characterization of polymeric hard tissue supports, Doctorate, T.ENDOĞAN(Student), 2013
- HASIRCI V. N. , pH responsive nano carriers for anti cancer drug delivery, Doctorate, S.BAGHERIFAM(Student), 2013

HASIRCI V. N. , Polyethylenimine-starch nanoparticles for cancer gene therapy, Postgraduate, B.BİLGENUR(Student), 2013

HASIRCI V. N. , Bioactive agents carrying quantum dot labeled liposomes, Doctorate, A.BÜYÜKSUNGUR(Student), 2013

HASIRCI V. N. , AŞÇIOĞLU ÖZ G., PEI – starch nanoparticles for cancer gene therapy, Postgraduate, B.Bilgenur(Student), 2013

HASIRCI V. N. , Hasırcı V., Construction of a collagen-based, split thickness cornea substitute, Postgraduate, A.Acun(Student), 2013

HASIRCI V. N. , Study on the influence of scaffold inner organization on the treatment of spinal cord injury, Postgraduate, T.DURSUN(Student), 2013

HASIRCI V. N. , Study of patterned, multilayered, collagen-based scaffolds designed to serve as a cornea stroma, Postgraduate, C.KILIÇ(Student), 2013

HASIRCI V. N. , Interaction between micro and nano patterned polymeric surfaces and different cell types, Doctorate, H.ÖZÇELİK(Student), 2012

HASIRCI V. N. , Composition-property relationship of PCL based polyurethanes, Postgraduate, A.GÜNEY(Student), 2012

HASIRCI V. N. , Bioactive agent carrying PLGA nanoparticles in the treatment of skin diseases, Postgraduate, A.KÜÇÜKTURHAN(Student), 2012

HASIRCI V. N. , Multiwalled carbon nanotube-poly (2-hydroxyethyl methacrylate) composite conduit for peripheral nerve repair, Postgraduate, D.ARSLANTUNALI(Student), 2012

HASIRCI V. N. , Biopolymer based micro/nanoparticles as drug carriers for the treatment of skin diseases, Postgraduate, G.EKE(Student), 2011

HASIRCI V. N. , Collagen-based meniscus tissue engineering: Design and application, Doctorate, A.NDREU(Student), 2011

HASIRCI V. N. , Plasma surface modification and characterization of pmma films, Postgraduate, Ö.ÖZGEN(Student), 2011

HASIRCI V. N. , UV responsive drug delivery from suprofen incorporated liposomes, Postgraduate, B.DEMİRBAĞ(Student), 2011

HASIRCI V. N. , Poly(L-Lactic acid) (PLLA)-based meniscus tissue engineering, Postgraduate, G.BAHÇEÇİOĞLU(Student), 2011

HASIRCI V. N. , Hasırcı V., Collagen scaffolds with in situ grown calcium phosphate for osteogenic differentiation of wharton's jelly and menstrual blood stem cells, Postgraduate, Ö.Karadaş(Student), 2011

HASIRCI V. N. , Collagen scaffolds with in situ grown calcium phosphate for osteogenic differentiation of Wharton's jelly and menstrual blood stem cells, Postgraduate, Ö.KARADAŞ(Student), 2011

HASIRCI V. N. , Free standing layer-by-layer films of polyethylenimine and poly(L-lysine) for potential use in corneal stroma engineering, Postgraduate, G.ALTAY(Student), 2011

HASIRCI V. N. , Investigation of cell migration and proliferation in agarose based hydrogels for tissue engineering applications, Postgraduate, E.VARDAR(Student), 2010

HASIRCI V. N. , Preparation and characterization of chitosan-gelatin/hydroxyapatite scaffolds for hard tissue engineering approaches, Postgraduate, C.İŞIKLI(Student), 2010

HASIRCI V. N. , Biodegradable polymer-hydroxyapatite nanocomposites for bone plate applications, Doctorate, E.AYDIN(Student), 2010

HASIRCI V. N. , Hasırcı V., Tissue engineering of full-thickness human oral mucosa, Doctorate, B.Kınıkoğlu(Student), 2010

HASIRCI V. N. , Sequential growth factor delivery from polymeric scaffolds for bone tissue engineering, Doctorate, P.YILGÖR(Student), 2009

HASIRCI V. N. , Stem cell based nerve tissue engineering on guided constructs, Doctorate, D.YÜCEL(Student), 2009

HASIRCI V. N. , Design of intelligent nanoparticles for use in controlled release, Postgraduate, B.BAYYURT(Student), 2009

HASIRCI V. N. , Nanopatterned tubular collagen scaffolds for vascular tissue engineering, Doctorate, P.ZORLUTUNA(Student), 2009

HASIRCI V. N. , Thermoresponsive smart polymeric cell carriers of pnpip and elp for bone tissue engineering, Postgraduate, N.Öztürk(Student), 2008

HASIRCI V. N. , 3D patterned cardiac tissue construct formation using biodegradable materials, Doctorate, H.KENAR(Student), 2008

HASIRCI V. N. , Sequential growth factor delivery from complexed microspheres for bone tissue engineering, Postgraduate, F.BUKET(Student), 2007

HASIRCI V. N. , Electrospun nanofibrous scaffolds for tissue engineering, Postgraduate, A.NDREU(Student), 2007

HASIRCI V. N. , Collagen-based scaffolds for cornea tissue engineering, Postgraduate, N.ENGİN(Student), 2006

HASIRCI V. N. , KESKİN D., Development and analysis of controlled release polymeric rods containing vancomycin, Postgraduate, O.TAĞIT(Student), 2005

TEZCANER A., HASIRCI V. N. , Cornea engineering on biodegradable polyesters, Postgraduate, P.ZORLUTUNA(Student), 2005

TEZCANER A., HASIRCI V. N. , Development of a genetic material transfer approach for gene therapy, Postgraduate, Ş.AYAZ(Student), 2005

HASIRCI V. N. , Poly (N-vinyl 2-pyrrolidone) based hydrogels for the delivery of bioactive species, Postgraduate, S.ÇINAR(Student), 2003

HASIRCI V. N. , Collagen matrices for guided tissue engineering, Postgraduate, S.BER(Student), 2003

HASIRCI V. N. , In vitro bone tissue engineering on patterned biodegradable polyester blends, Postgraduate, H.KENAR(Student), 2003

HASIRCI V. N. , Construction of a choline oxidase biosensor, Postgraduate, D.YÜCEL(Student), 2003

HASIRCI V. N. , Biodegradable bone plates and bone marrow extract loaded microcapsules in bone repair., Postgraduate, S.COŞKUN(Student), 2002

HASIRCI V. N. , Dual action, photoactive liposomes as cancer drug carriers, Postgraduate, Ö.ÖĞÜN(Student), 2002

HASIRCI V. N. , KORKUSUZ F., Bone tissue generation on biodegradable polymeric scaffolds, Doctorate, G.Torun(Student), 2002

HASIRCI V. N. , Bone tissue generation on biodegradable polymeric scaffold, Doctorate, G.TORUN(Student), 2002

HASIRCI V. N. , Hybridoma development: monoclonal antibody production in search for protein purification, Postgraduate, G.YÜCEL(Student), 2002

HASIRCI V. N. , Controlled release of pain relievers for the alleviation of chronic pain, Doctorate, D.ŞENDİL(Student), 2001

HASIRCI V. N. , Hasirci V., Construction of an acetylcholinesterase-choline oxidase biosensor for the determination of aldicarb, Doctorate, F.Neşe(Student), 2001

HASIRCI V. N. , Controlled release of pain relievers for the alleviation of chronic pain., Doctorate, D.Şendil(Student), 2001

HASIRCI V. N. , Tissue engineered retinal pigment epithelium, Doctorate, A.TEZCANER(Student), 2001

HASIRCI V. N. , Increase of asparaginase in vivo half life by encapsulation and surface modification, Doctorate, E.TÜRKER(Student), 2001

HASIRCI V. N. , Construction of an acetylcholinesterase-cholin oxidase biosensor for the determination of aldicarb, Doctorate, F.NEŞE(Student), 2001

HASIRCI V. N. , Bacterial production and screening of polyhydroxyalkanoates by using a novel spectrofluorometric method, Postgraduate, B.EMRE(Student), 1999

HASIRCI V. N. , Controlled release of antibiotics from biodegradable polyhydroxyalkanate implants for the treatment of osteomyelitis, Postgraduate, F.TÜRESİN(Student), 1998

HASIRCI V. N. , Antibiotic release from biodegradable microbial polyesters, Postgraduate, D.ŞENDİL(Student), 1997

HASIRCI V. N. , The Development of a hard tissue substitute and its use in drug release, Postgraduate, M.BURAK(Student), 1997

HASIRCI V. N. , Liposome-derived model DNA delivery systems, Postgraduate, M.REZA(Student), 1996

HASIRCI V. N. , Changing the liposomal surface properties by means of low molecular weight heparin, Postgraduate, G.KÖSE(Student), 1996

HASIRCI V. N. , Hasirci V., Use of microbial polyhydroxyalkanoates in the construction of biomedical drug release systems, Doctorate, İ.Gürsel(Student), 1995

HASIRCI V. N. , Structural stability of liposomes and the influence of constituents, Postgraduate, A.BORUCU(Student), 1994

HASIRCI V. N. , Development of a novel enzyme immobilization technique and its application to continuous flow membrane reactor., Doctorate, M.Yakup(Student), 1992

HASIRCI V. N. , Enzyme entrapment in polymer coated liposomes, Doctorate, M.Yaşar(Student), 1990

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.8, 2021 (Journal Indexed in SCI)
- II. **3D printed hybrid bone constructs of PCL and dental pulp stem cells loaded GelMA**  
Buyuksungur S., Hasirci V., HASIRCI N.  
Journal of Biomedical Materials Research - Part A, 2021 (Journal Indexed in SCI)
- III. **A two-compartment bone tumor model to investigate interactions between healthy and tumor cells**  
Komez A., Buyuksungur A., Antmen E., Swieszkowski W., HASIRCI N., Hasirci V.  
Biomedical Materials (Bristol), vol.15, no.3, 2020 (Journal Indexed in SCI Expanded)
- IV. **Cell loaded 3D bioprinted GelMA hydrogels for corneal stroma engineering**  
BEKTAŞ C., Hasirci V.  
BIOMATERIALS SCIENCE, vol.8, no.1, pp.438-449, 2020 (Journal Indexed in SCI)
- V. **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.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.183, 2019 (Journal Indexed in SCI)
- VI. **Anatomical meniscus construct with zone specific biochemical composition and structural organization**  
Bahcecioglu G., Bilgen B., Hasirci N., Hasirci V.  
BIOMATERIALS, vol.218, 2019 (Journal Indexed in SCI)
- VII. **Methacrylated gelatin hydrogels as corneal stroma substitutes: in vivo study**  
BEKTAŞ C., Burcu A., Gedikoglu G., Telek H. H. , Ornek F., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.30, no.18, pp.1803-1821, 2019 (Journal Indexed in SCI)
- VIII. **3D and 4D Printing of Polymers for Tissue Engineering Applications**  
Tamay D. G. , DURSUN USAL T., Alagoz A. S. , Yucel D., HASIRCI N., Hasirci V.  
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.7, 2019 (Journal Indexed in SCI)
- IX. **Square prism micropillars on poly(methyl methacrylate) surfaces modulate the morphology and differentiation of human dental pulp mesenchymal stem cells**  
Hasturk O., Ermis M., Demirci U., Hasirci N., Hasirci V.  
Colloids and Surfaces B: Biointerfaces, vol.178, pp.44-55, 2019 (Journal Indexed in SCI)
- X. **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.  
BIOFABRICATION, vol.11, no.2, 2019 (Journal Indexed in SCI)
- XI. **Microfibrous scaffolds from poly(L-lactide-co-epsilon-caprolactone) blended with xeno-free collagen/hyaluronic acid for improvement of vascularization in tissue engineering applications**  
KENAR H., Ozdogan C. Y. , Dumlu C., DOĞER E., Kose G. T. , Hasirci V.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.97, pp.31-44, 2019 (Journal Indexed in SCI)
- XII. **Cell behavior on the alginate-coated PLLA/PLGA scaffolds**  
Bahcecioglu G., Hasirci N., HASIRCI V. N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.124, pp.444-450, 2019 (Journal Indexed in SCI)
- XIII. **Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells**  
Antmen E., ERMİŞ ŞEN M., Demirci U., HASIRCI V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.107, no.2, pp.366-376,

2019 (Journal Indexed in SCI)

- XIV. **Hydrogels of agarose, and methacrylated gelatin and hyaluronic acid are more supportive for in vitro meniscus regeneration than three dimensional printed polycaprolactone scaffolds**  
Bahcecioglu G., Hasirci N., Bilgen B., HASIRCI V. N.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.122, pp.1152-1162, 2019 (Journal Indexed in SCI)
- XV. **A novel GeIMA-pHEMA hydrogel nerve guide for the treatment of peripheral nerve damages**  
DURSUN USAL T., Yucel D., Hasirci V.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.121, pp.699-706, 2019 (Journal Indexed in SCI)
- XVI. **Effect of chemical structure on properties of polyurethanes: Temperature responsiveness and biocompatibility**  
Komez A., Buyuksungur S., Hasirci V., HASIRCI N.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.33, no.5, pp.479-497, 2018 (Journal Indexed in SCI)
- XVII. **Micro and Nanofabrication methods to control cell-substrate interactions and cell behavior: A review from the tissue engineering perspective**  
ERMİŞ ŞEN M., Antmen E., HASIRCI V. N.  
BIOACTIVE MATERIALS, vol.3, no.3, pp.355-369, 2018 (Journal Indexed in SCI)
- XVIII. **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, vol.13, no.5, 2018 (Journal Indexed in SCI)
- XIX. **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, vol.13, no.3, 2018 (Journal Indexed in SCI)
- XX. **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, vol.29, no.5, 2018 (Journal Indexed in SCI)
- XXI. **Development of PEI-RANK siRNA Complex Loaded PLGA Nanocapsules for the Treatment of Osteoporosis**  
Bilecen D. S., Uludag H., HASIRCI V. N.  
TISSUE ENGINEERING PART A, vol.25, pp.34-43, 2018 (Journal Indexed in SCI)
- XXII. **Mimicking corneal stroma using keratocyte-loaded photopolymerizable methacrylated gelatin hydrogels**  
Bektas C. K., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.12, no.4, 2018 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **A bilayer scaffold prepared from collagen and carboxymethyl cellulose for skin tissue engineering applications**  
Bektas C. K., Kimiz I., ŞENDEMİR A., Hasirci V., Hasirci N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.29, no.14, pp.1764-1784, 2018 (Journal Indexed in SCI)
- XXVI. **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.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.29, no.5, pp.507-519, 2018 (Journal Indexed in SCI)

- XXVII. **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. E. , Büyüksungur A., Bektas E. I. , Kose G. T. , Yücel D., Beyzadeoglu T., Çetinkaya E., Yenigün C., Tönük E., et al.  
BIOMATERIALS SCIENCE, vol.5, pp.2144-2158, 2017 (Journal Indexed in SCI)
- XXVIII. **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, vol.129, pp.188-198, 2017 (Journal Indexed in SCI)
- XXIX. **Cartilage tissue engineering on macroporous scaffolds using human tooth germ stem cells**  
Koyuncu A. C. C. , Pekozer G. G. , Ramazanoğlu M. K. , KÖSE G., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.11, no.3, pp.765-777, 2017 (Journal Indexed in SCI)
- XXX. **A cell attracting composite of lumbar fusion cage**  
Gunay B., Hasirci N., HASIRCI V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.28, no.8, pp.749-767, 2017 (Journal Indexed in SCI)
- XXXI. **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.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.28, no.16, pp.1859-1873, 2017 (Journal Indexed in SCI)
- XXXII. **Quantification of Type, Timing, and Extent of Cell Body and Nucleus Deformations Caused by the Dimensions and Hydrophilicity of Square Prism Micropillars**  
Hasturk O., Sivas A., KARASÖZEN B., Demirci U., Hasirci N., HASIRCI V. N.  
ADVANCED HEALTHCARE MATERIALS, vol.5, no.23, pp.2972-2982, 2016 (Journal Indexed in SCI)
- XXXIII. **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, vol.6, 2016 (Journal Indexed in SCI)
- XXXIV. **Influence of co-culture on osteogenesis and angiogenesis of bone marrow mesenchymal stem cells and aortic endothelial cells**  
Pekozer G. G. , KÖSE G., Hasirci V.  
MICROVASCULAR RESEARCH, vol.108, pp.1-9, 2016 (Journal Indexed in SCI)
- XXXV. **FLUORIDE-CONTAINING ANTI-CARIES pH-SENSITIVE RELEASE SYSTEM AND ITS EFFECT ON STREPTOCOCCUS MUTANS**  
Polat G. G. , Akgun O. M. , Simsek B., Saracli M. A. , Heper S., Hasirci V.  
FLUORIDE, vol.49, no.4, pp.458-466, 2016 (Journal Indexed in SCI)
- XXXVI. **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, vol.104, no.9, pp.2166-2177, 2016 (Journal Indexed in SCI)
- XXXVII. **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, vol.26, no.18, pp.1402-1424, 2015 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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.

- JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.30, no.5, pp.455-471, 2015 (Journal Indexed in SCI)
- XL. **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., Hasirci N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.9, no.8, pp.930-942, 2015 (Journal Indexed in SCI)
- XLI. **pH-Responsive Nano Carriers for Doxorubicin Delivery**  
Bagherifam S., Skjeldal F. M. , Griffiths G., Maelandsmo G. M. , Engebraten O., Nystrom B., Hasirci V., Hasirci N.  
PHARMACEUTICAL RESEARCH, vol.32, no.4, pp.1249-1263, 2015 (Journal Indexed in SCI)
- XLII. **Tissue engineering of oral mucosa: a shared concept with skin**  
Kinikoglu B., Damour O., Hasirci V.  
JOURNAL OF ARTIFICIAL ORGANS, vol.18, no.1, pp.8-19, 2015 (Journal Indexed in SCI)
- XLIII. **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., Hasirci N.  
JOURNAL OF MICROENCAPSULATION, vol.32, no.2, pp.166-174, 2015 (Journal Indexed in SCI)
- XLIV. **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 (Journal Indexed in SCI)
- XLV. **In Vivo Performance of Poly(epsilon-caprolactone) Constructs Loaded with Gentamicin Releasing Composite Microspheres for Use in Bone Regeneration**  
Sezer U. A. , BİLLUR D., HURİ G., Huri P. Y. , AKSOY E. A. , Terzioğlu H., Konukseven E., Hasirci V., HASIRCI N.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.4, no.10, pp.786-795, 2014 (Journal Indexed in SCI)
- XLVI. **Construction of a collagen-based, split-thickness cornea substitute**  
Acun A., HASIRCI V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.25, no.11, pp.1110-1132, 2014 (Journal Indexed in SCI)
- XLVII. **Collagen scaffolds with in situ-grown calcium phosphate for osteogenic differentiation of Wharton's jelly and menstrual blood stem cells**  
Karadas O., Yucel D., Kenar H., Kose G. T. , HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.8, no.7, pp.534-545, 2014 (Journal Indexed in SCI)
- XLVIII. **Systematically organized nanopillar arrays reveal differences in adhesion and alignment properties of BMSC and Saos-2 cells**  
Ozcelik H., Padeste C., HASIRCI V. N.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.119, pp.71-81, 2014 (Journal Indexed in SCI)
- XLIX. **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, vol.25, no.6, pp.1471-1481, 2014 (Journal Indexed in SCI)
- L. **Construction and in vitro testing of a multilayered, tissue-engineered meniscus**  
Bahcecioglu G., Buyuksungur A., KIZILTAY A., Hasirci N., HASIRCI V. N.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.29, no.3, pp.235-253, 2014 (Journal Indexed in SCI)
- LI. **Poly(epsilon-caprolactone) Composite Scaffolds Loaded with Gentamicin-Containing beta-Tricalcium Phosphate/Gelatin Microspheres for Bone Tissue Engineering Applications**  
Sezer U. A. , ARSLANTUNALI ŞAHİN D., Aksoy E. A. , Hasirci V., Hasirci N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.8, 2014 (Journal Indexed in SCI)
- LII. **A multilayer tissue engineered meniscus substitute**  
Halili A. N. , Hasirci N., HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.25, no.4, pp.1195-1209, 2014 (Journal Indexed

in SCI)

- LIII. **Multiwalled CNT-pHEMA composite conduit for peripheral nerve repair.**  
Arslantunali D., Budak G., HASIRCI V. N.  
Journal of biomedical materials research. Part A, vol.102, no.3, pp.828-41, 2014 (Journal Indexed in SCI Expanded)
- LIV. **Proliferation and Differentiation of Mesenchymal Stem Cells in Chitosan Scaffolds Loaded with Nanocapsules Containing Bone Morphogenetic Proteins-4, Platelet-Derived Growth Factor and Insulin-Like Growth Factor 1**  
Saygun I., Bal V., KIZILTAY A., HURİ P., Avcu F., ÜSTÜN K., HASIRCI V. N. , Hasirci N.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.4, no.3, pp.181-188, 2014 (Journal Indexed in SCI)
- LV. **Protein-based materials in load-bearing tissue-engineering applications**  
Sayin E., Baran E. T. , Hasirci V.  
REGENERATIVE MEDICINE, vol.9, no.5, pp.687-701, 2014 (Journal Indexed in SCI)
- LVI. **A collagen-based corneal stroma substitute with micro-designed architecture**  
Kilic C., Girotti A., Rodriguez-Cabello C., HASIRCI V. N.  
BIOMATERIALS SCIENCE, vol.2, no.3, pp.318-329, 2014 (Journal Indexed in SCI)
- LVII. **Storage and Baking Stability of Encapsulated Sour Cherry Phenolic Compounds Prepared from Micro- and Nano-Suspensions**  
Luca A., ÇİLEK TATAR B., Hasirci V., ŞAHİN S., ŞÜMNÜ S. G.  
FOOD AND BIOPROCESS TECHNOLOGY, vol.7, no.1, pp.204-211, 2014 (Journal Indexed in SCI)
- LVIII. **Cell/Tissue Microenvironment Engineering and Monitoring in Tissue Engineering, Regenerative Medicine, and In Vitro Tissue Models**  
Vrana N. E. , Hasirci V., McGuinness G. B. , Ndreu-Halili A.  
BIOMED RESEARCH INTERNATIONAL, 2014 (Journal Indexed in SCI)
- LIX. **Chitosan-based wet-spun scaffolds for bioactive agent delivery**  
Ucar S., Yilgor P., Hasirci V., Hasirci N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.130, no.5, pp.3759-3769, 2013 (Journal Indexed in SCI)
- LX. **Effect of Degritting of Phenolic Extract from Sour Cherry Pomace on Encapsulation Efficiency- Production of Nano-suspension**  
LUCA A., Cilek B., Hasirci V., ŞAHİN S., Sumnu G.  
FOOD AND BIOPROCESS TECHNOLOGY, vol.6, no.9, pp.2494-2502, 2013 (Journal Indexed in SCI)
- LXI. **An in vivo study on the effect of scaffold geometry and growth factor release on the healing of bone defects**  
Yilgor P., Yilmaz G., Onal M. B. , Solmaz I., Gundogdu S., Keskil S., Sousa R. A. , Reis R. L. , Hasirci N., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.7, no.9, pp.687-696, 2013 (Journal Indexed in SCI)
- LXII. **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.  
BIOMEDICAL MATERIALS, vol.8, no.4, 2013 (Journal Indexed in SCI)
- LXIII. **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 (Journal Indexed in SCI)
- LXIV. **A Mechanically Functional Collagen-Based Construct Designed as a Meniscus Substitute**  
Halili A. N. , Hasirci N., Hasirci V.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.3, no.2, pp.173-184, 2013 (Journal Indexed in SCI)
- LXV. **Surface characterization and radical decay studies of oxygen plasma-treated PMMA films**  
Ozgen O., Aksoy E. A. , Hasirci V., Hasirci N.  
SURFACE AND INTERFACE ANALYSIS, vol.45, no.4, pp.844-853, 2013 (Journal Indexed in SCI)
- LXVI. **Poly(epsilon-caprolactone) composites containing gentamicin-loaded beta-tricalcium phosphate/gelatin microspheres as bone tissue supports**  
Sezer U. A. , Aksoy E. A. , Hasirci V., Hasirci N.



- JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, no.3, pp.2132-2139, 2013 (Journal Indexed in SCI)
- LXVII. **Effect of double growth factor release on cartilage tissue engineering**  
Ertan A. B. , Yilgor P., Bayyurt B., Calikoglu A. C. , Kaspar C., K k F. N. , K SE G., Hasirci V.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.7, no.2, pp.149-160, 2013 (Journal Indexed in SCI)
- LXVIII. **Microencapsulation of phenolic compounds extracted from sour cherry pomace: effect of formulation, ultrasonication time and core to coating ratio**  
Cilek B., Luca A., Hasirci V., ŐAHİN S., Sumnu G.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.235, no.4, pp.587-596, 2012 (Journal Indexed in SCI)
- LXIX. **Understanding the cell behavior on nano-/micro-patterned surfaces**  
HASIRCI V. N. , Pepe-Mooney B. J.  
NANOMEDICINE, vol.7, no.9, pp.1375-1389, 2012 (Journal Indexed in SCI)
- LXX. **The Antiproliferative Effect of Celecoxib Loaded pNIPAM Nanoparticles**  
Bayyurt B., Hasirci V.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.2, no.3, pp.220-227, 2012 (Journal Indexed in SCI)
- LXXI. **Modification of Acrylic Bone Cements with Oxygen Plasma and Additives**  
ENDOĐAN TANIR T., KIZILTAY A., Hasirci V., Hasirci N.  
JOURNAL OF BIOMATERIALS AND TISSUE ENGINEERING, vol.2, no.3, pp.236-243, 2012 (Journal Indexed in SCI)
- LXXII. **A 3D artificial meniscus design for meniscus tissue engineering**  
Ndreu A. H. , Hasirci N., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.402, 2012 (Journal Indexed in SCI)
- LXXIII. **Feasibility of a porcine oral mucosa equivalent: A preclinical study**  
Kinikoglu B., Hemar J., Hasirci V., Breton P., Damour O.  
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.40, no.4, pp.271-274, 2012 (Journal Indexed in SCI)
- LXXIV. **Influence of the mesenchymal cell source on oral epithelial development**  
Kinikoglu B., Rovere M. R. , Haftek M., Hasirci V., Damour O.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, no.3, pp.245-252, 2012 (Journal Indexed in SCI)
- LXXV. **Development of porous chitosan-gelatin/hydroxyapatite composite scaffolds for hard tissue-engineering applications**  
Isikli C., HASIRCI V. N. , Hasirci N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, no.2, pp.135-143, 2012 (Journal Indexed in SCI)
- LXXVI. **Porous Agarose-Based Semi-IPN Hydrogels: Characterization and Cell Affinity Studies**  
Vardar E., Vert M., Coudane J., HASIRCI V. N. , Hasirci N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.23, no.18, pp.2273-2286, 2012 (Journal Indexed in SCI)
- LXXVII. **Advanced cell therapies with and without scaffolds**  
Demirbag B., HURİ P., K SE G., Buyuksungur A., HASIRCI V. N.  
BIOTECHNOLOGY JOURNAL, vol.6, no.12, pp.1437-1453, 2011 (Journal Indexed in SCI)
- LXXVIII. **Hydroxyapatite nanorod-reinforced biodegradable poly(L-lactic acid) composites for bone plate applications**  
Aydin E., Planell J. A. , HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.11, pp.2413-2427, 2011 (Journal Indexed in SCI)
- LXXIX. **The influence of elastin-like recombinant polymer on the self-renewing potential of a 3D tissue equivalent derived from human lamina propria fibroblasts and oral epithelial cells**  
Kinikoglu B., Carlos Rodriguez-Cabello J., Damour O., HASIRCI V. N.  
BIOMATERIALS, vol.32, no.25, pp.5756-5764, 2011 (Journal Indexed in SCI)
- LXXX. **A 3D aligned microfibrinous myocardial tissue construct cultured under transient perfusion**

- Kenar H., Kose G. T., Toner M., Kaplan D. L., HASIRCI V. N.  
BIOMATERIALS, vol.32, no.23, pp.5320-5329, 2011 (Journal Indexed in SCI)
- LXXXI. **EFFECTS OF PLASMA GLOW DISCHARGE ON CHEMISTRY OF PMMA**  
Ozgen O., ÇATMAN AKSOY E., HASIRCI V. N., Hasirci N.  
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.34, no.8, pp.664, 2011 (Journal Indexed in SCI)
- LXXXII. **Replication of high aspect ratio pillar array structures in biocompatible polymers for tissue engineering applications**  
Padeste C., Ozelik H., Ziegler J., Schleunitz A., Bednarzik M., Yucel D., HASIRCI V. N.  
MICROELECTRONIC ENGINEERING, vol.88, no.8, pp.1836-1839, 2011 (Journal Indexed in SCI)
- LXXXIII. **Microfabrication of PDLLA 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 (Journal Indexed in SCI)
- LXXXIV. **A smart bilayer scaffold of elastin-like recombinamer and collagen for soft tissue engineering**  
Kinikoglu B., Carlos Rodriguez-Cabello J., Damour O., HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.6, pp.1541-1554, 2011 (Journal Indexed in SCI)
- LXXXV. **Tissue Engineered, Guided Nerve Tube Consisting of Aligned Neural Stem Cells and Astrocytes**  
Yucel D., Kose G. T., Hasirci V.  
BIOMACROMOLECULES, vol.11, no.12, pp.3584-3591, 2010 (Journal Indexed in SCI)
- LXXXVI. **Both sides nanopatterned tubular collagen scaffolds as tissue-engineered vascular grafts**  
Zorlutuna P., Vadgama P., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.4, no.8, pp.628-637, 2010 (Journal Indexed in SCI)
- LXXXVII. **Effect of scaffold architecture and BMP-2/BMP-7 delivery on in vitro bone regeneration**  
Yilgor P., Sousa R. A., Reis R. L., HASIRCI N., Hasirci V.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.21, no.11, pp.2999-3008, 2010 (Journal Indexed in SCI)
- LXXXVIII. **The role of multiple toll-like receptor signalling cascades on interactions between biomedical polymers and dendritic cells**  
Shokouhi B., Coban C., Hasirci V., Aydin E., Dhanasingh A., Shi N., Koyama S., Akira S., Zenke M., Sechi A. S.  
BIOMATERIALS, vol.31, no.22, pp.5759-5771, 2010 (Journal Indexed in SCI)
- LXXXIX. **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 (Journal Indexed in SCI)
- XC. **Sequential BMP-2/BMP-7 delivery from polyester nanocapsules**  
Yilgor P., Hasirci N., HASIRCI V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.2, pp.528-536, 2010 (Journal Indexed in SCI)
- XC. **Topographically induced self-deformation of the nuclei of cells: dependence on cell type and proposed mechanisms**  
Davidson P. M., Fromigie O., Marie P. J., Hasirci V., Reiter G., Anselme K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.21, no.3, pp.939-946, 2010 (Journal Indexed in SCI)
- XCII. **Design of a 3D aligned myocardial tissue construct from biodegradable polyesters**  
Kenar H., KÖSE G., HASIRCI V. N.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.21, no.3, pp.989-997, 2010 (Journal Indexed in SCI)
- XCIII. **Polyester based nerve guidance conduit design**  
Yucel D., KÖSE G., HASIRCI V. N.  
BIOMATERIALS, vol.31, no.7, pp.1596-1603, 2010 (Journal Indexed in SCI)
- XCIV. **Dynamic cell culturing and its application to micropatterned, elastin-like protein-modified poly(N-**

**isopropylacrylamide) scaffolds**

Ozturk N., Girotti A., KÖSE G., Rodriguez-Cabello J. C. , HASIRCI V. N.

BIOMATERIALS, vol.30, no.29, pp.5417-5426, 2009 (Journal Indexed in SCI)

- XCIV. **Microstructured Surfaces Cause Severe but Non-Detrimental Deformation of the Cell Nucleus**  
Davidson P. M. , Ozcelik H., Hasirci V., Reiter G., Anselme K.  
ADVANCED MATERIALS, vol.21, no.35, pp.3586-3591, 2009 (Journal Indexed in SCI)
- XCVI. **Influence of nanopatterns on endothelial cell adhesion: Enhanced cell retention under shear stress**  
Zorlutuna P., Rong Z., Vadgama P., HASIRCI V. N.  
ACTA BIOMATERIALIA, vol.5, no.7, pp.2451-2459, 2009 (Journal Indexed in SCI)
- XCVII. **Incorporation of a sequential BMP-2/BMP-7 delivery system into chitosan-based scaffolds for bone tissue engineering**  
Yilgor P., Tuzlakoglu K., Reis R. L. , Hasirci N., HASIRCI V. N.  
BIOMATERIALS, vol.30, no.21, pp.3551-3559, 2009 (Journal Indexed in SCI)
- XCVIII. **RECONSTRUCTION OF A FULL-THICKNESS COLLAGEN-BASED HUMAN ORAL MUCOSAL EQUIVALENT**  
Kinikoglu B., Auxenfans C., Pierrillas P., Burillon C., HASIRCI V. N. , Damour O.  
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.32, no.7, pp.452-453, 2009 (Journal Indexed in SCI)
- XCIX. **Nanopatterning of Collagen Scaffolds Improve the Mechanical Properties of Tissue Engineered Vascular Grafts**  
Zorlutuna P., Elsheikh A., HASIRCI V. N.  
BIOMACROMOLECULES, vol.10, no.4, pp.814-821, 2009 (Journal Indexed in SCI)
- C. **Development of a Reconstructed Cornea from Collagen-Chondroitin Sulfate Foams and Human Cell Cultures**  
Vrana N. E. , Builles N., Justin V., Bednarz J., Pellegrini G., Ferrari B., Damour O., Hulmes D. J. S. , Hasirci V.  
INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, vol.49, no.12, pp.5325-5331, 2008 (Journal Indexed in SCI)
- CI. **Sequential growth factor delivery from complexed microspheres for bone tissue engineering**  
Basmanav F. B. , KÖSE G., Hasirci V.  
BIOMATERIALS, vol.29, no.31, pp.4195-4204, 2008 (Journal Indexed in SCI)
- CII. **Plasma Protein Adsorption and Platelet Adhesion on Heparin-Immobilized Polyurethane Films**  
Aksoy E. A. , Hasirci V., Hasirci N., Motta A., Fedel M., Migliaresi C.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.23, no.6, pp.505-519, 2008 (Journal Indexed in SCI)
- CIII. **Nanopatterned collagen tubes for vascular tissue engineering**  
Zorlutuna P., Hasirci N., HASIRCI V. N.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.2, no.6, pp.373-377, 2008 (Journal Indexed in SCI)
- CIV. **Chemical and topographical modification of PHBV surface to promote osteoblast alignment and confinement**  
Kenar H., Kocabas A., AYDINLI A., HASIRCI V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.4, pp.1001-1010, 2008 (Journal Indexed in SCI)
- CV. **Contact guidance enhances the quality of a tissue engineered corneal stroma**  
Vrana E., Builles N., Hindie M., Damour O., AYDINLI A., HASIRCI V. N.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.2, pp.454-463, 2008 (Journal Indexed in SCI)
- CVI. **Electrospun biodegradable nanofibrous mats for tissue engineering**  
Ndreu A., Nikkola L., Ylikauppila H., Ashammakhi N., Hasirci V.  
NANOMEDICINE, vol.3, no.1, pp.45-60, 2008 (Journal Indexed in SCI)
- CVII. **A novel construct as a cell carrier for tissue engineering**  
ZORLUTUNA P., TEZCANER A., HASIRCI V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.19, no.3, pp.399-410, 2008 (Journal Indexed in SCI)
- CVIII. **Effect of human corneal keratocytes and retinal pigment epithelial cells on the mechanical properties of micropatterned collagen films**  
Vrana N. E. , Elsheikh A., Builles N., Damour O., Hasirci V.  
BIOMATERIALS, vol.28, no.29, pp.4303-4310, 2007 (Journal Indexed in SCI)

- CIX. **Influence of keratocytes and retinal pigment epithelial cells on the mechanical properties of polyester-based tissue engineering micropatterned films**  
Zorlutuna P., Builles N., Damour O., Elsheikh A., Hasirci V.  
BIOMATERIALS, vol.28, no.24, pp.3489-3496, 2007 (Journal Indexed in SCI)
- CX. **Construction of a choline biosensor through enzyme immobilization on a poly(2-hydroxyethyl methacrylate)-grafted Teflon film**  
Yucel D., Ozer N., Hasirci V.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.104, no.5, pp.3469-3477, 2007 (Journal Indexed in SCI)
- CXI. **Biodegradable nanomats produced by electrospinning: Expanding multifunctionality and potential for tissue engineering**  
Ashammakhi N., Ndreu A., Piras A. M. , Nikkola L., Sindelar T., Ylikauppila H., Harlin A., Gomes M. E. , Neves N. M. , Chiellini E., et al.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.7, no.3, pp.862-882, 2007 (Journal Indexed in SCI)
- CXII. **EDC/NHS cross-linked collagen foams as scaffolds for artificial corneal stroma**  
Vrana N. E. , Builles N., Kocak H., Gulay P., Justin V., Malbouyres A., Ruggiero F., Damour O., HASIRCI V. N.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.18, no.12, pp.1527-1545, 2007 (Journal Indexed in SCI)
- CXIII. **Tissue engineering: A new take-off using nanofiber-based scaffolds**  
Ashammakhi N., Ndreu A., Yang Y., Ylikauppila H., Nikkola L., Hasirci V.  
JOURNAL OF CRANIOFACIAL SURGERY, vol.18, no.1, pp.3-17, 2007 (Journal Indexed in SCI)
- CXIV. **Cornea engineering on polyester carriers**  
Zorlutuna P., Tezcaner A., Kiyat I., Aydinli A., Hasirci V.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.1, pp.104-113, 2006 (Journal Indexed in SCI)
- CXV. **Novel surface patterning approaches for tissue engineering and their effect on cell behavior**  
Hasirci V., Kenar H.  
NANOMEDICINE, vol.1, no.1, pp.73-89, 2006 (Journal Indexed in SCI)
- CXVI. **Tissue engineering of bone on micropatterned biodegradable polyester films**  
Kenar H., Kose G., Hasirci V.  
BIOMATERIALS, vol.27, no.6, pp.885-895, 2006 (Journal Indexed in SCI)
- CXVII. **Nanobiomaterials: a review of the existing science and technology, and new approaches**  
Hasirci V., Vrana E., Zorlutuna P., Ndreu A., Yilgor P., Basmanav F. B. , Aydin E.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.17, no.11, pp.1241-1268, 2006 (Journal Indexed in SCI)
- CXVIII. **Tissue engineered cartilage on collagen and PHBV matrices**  
Kose G., Korkusuz F., Ozkul A., Soysal Y., Ozdemir T., Yildiz C., Hasirci V.  
BIOMATERIALS, vol.26, no.25, pp.5187-5197, 2005 (Journal Indexed in SCI)
- CXIX. **Collagen-chondroitin sulfate-based PLLA-SAIB-coated rhBMP-2 delivery system for bone repair**  
Keskin D., Tezcaner A., KORKUSUZ P., KORKUSUZ F., HASIRCI V. N.  
BIOMATERIALS, vol.26, no.18, pp.4023-4034, 2005 (Journal Indexed in SCI)
- CXX. **Bone tissue engineering on patterned collagen films: an in vitro study**  
Ber S., Kose G., Hasirci V.  
BIOMATERIALS, vol.26, no.14, pp.1977-1986, 2005 (Journal Indexed in SCI)
- CXXI. **A review of scanning probe microscopy investigations of liposome-DNA complexes**  
Mozafari M., Reed C., Rostron C., Hasirci V.  
JOURNAL OF LIPOSOME RESEARCH, vol.15, pp.93-107, 2005 (Journal Indexed in SCI)
- CXXII. **Hydroxyapatite reinforced poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) based degradable composite bone plate**  
Coskun S., Korkusuz F., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.16, no.12, pp.1485-1502, 2005 (Journal Indexed in SCI)
- CXXIII. **In vivo tissue engineering of bone using poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) and**

## **collagen scaffolds**

Kose G., Korkusuz F., Korkusuz P., Hasirci V.

TISSUE ENGINEERING, vol.10, pp.1234-1250, 2004 (Journal Indexed in SCI)

- CXXIV. **UV-induced drug release from photoactive REV sensitized by suprofen**  
Cirli O., Hasirci V.  
JOURNAL OF CONTROLLED RELEASE, vol.96, no.1, pp.85-96, 2004 (Journal Indexed in SCI)
- CXXV. **Determination of binary pesticide mixtures by an acetylcholinesterase-choline oxidase biosensor**  
Kok F., Hasirci V.  
BIOSENSORS & BIOELECTRONICS, vol.19, no.7, pp.661-665, 2004 (Journal Indexed in SCI)
- CXXVI. **Cartilage tissue engineering**  
Kose G., Hasirci V.  
BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES, vol.553, pp.317-329, 2004 (Journal Indexed in SCI)
- CXXVII. **Advances in analgesic drug design and delivery: A current survey**  
Bonney I., Keskin D., Lipkowski A., Hasirci V., Carr D.  
BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES, vol.553, pp.209-219, 2004 (Journal Indexed in SCI)
- CXXVIII. **Bone generation on PHBV matrices: an in vitro study**  
Kose G., Korkusuz F., Korkusuz P., Purali N., Ozkul A., Hasirci V.  
BIOMATERIALS, vol.24, no.27, pp.4999-5007, 2003 (Journal Indexed in SCI)
- CXXIX. **Antihyperalgesic effect of simultaneously released hydromorphone and bupivacaine from polymer fibers in the rat chronic constriction injury model**  
Hasirci V., Bonney I., Goudas L., Shuster L., Carr D., Wise D.  
LIFE SCIENCES, vol.73, no.26, pp.3323-3337, 2003 (Journal Indexed in SCI)
- CXXX. **Solid-phase enzyme modification via affinity chromatography**  
Baran E., Ozer N., Hasirci V.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.794, no.2, pp.311-322, 2003 (Journal Indexed in SCI)
- CXXXI. **Antinociceptive effects of hydromorphone, bupivacaine and biphalin released from PLGA polymer after intrathecal implantation in rats**  
Sendil D., Bonney I., Carr D., Lipkowski A., Wise D., Hasirci V.  
BIOMATERIALS, vol.24, no.11, pp.1969-1976, 2003 (Journal Indexed in SCI)
- CXXXII. **Macroporous poly(3-hydroxybutyrate-co-3-hydroxyvalerate) matrices for bone tissue engineering**  
Kose G., Kenar H., Hasirci N., Hasirci V.  
BIOMATERIALS, vol.24, no.11, pp.1949-1958, 2003 (Journal Indexed in SCI)
- CXXXIII. **Oxygen plasma modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) film surfaces for tissue engineering purposes**  
HASIRCI V. N. , Tezcaner A., Hasirci N., SÜZER Ş.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.87, no.8, pp.1285-1289, 2003 (Journal Indexed in SCI)
- CXXXIV. **Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) based tissue engineering matrices**  
Kose G., Ber S., Korkusuz F., Hasirci V.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.14, no.2, pp.121-126, 2003 (Journal Indexed in SCI)
- CXXXV. **Retinal pigment epithelium cell culture on surface modified poly(hydroxybutyrate-co-hydroxyvalerate) thin films**  
TEZCANER A., Bugra K., HASIRCI V. N.  
Biomaterials, vol.24, no.25, pp.4573-4583, 2003 (Journal Indexed in SCI)
- CXXXVI. **In vivo pain relief effectiveness of an analgesic-anesthetic carrying biodegradable controlled release rod systems**  
Sendil-Keskin D., Altunay H., Wise D., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.14, no.6, pp.497-514, 2003 (Journal Indexed in SCI)
- CXXXVII. **Controlled release of bioactive agents in gene therapy and tissue engineering**  
Keskin D., Hasirci V.

- TISSUE ENGINEERING, STEM CELLS AND GENE THERAPIES, vol.534, pp.279-296, 2003 (Journal Indexed in SCI)
- CXXXVIII. **In vivo half life of nanoencapsulated L-asparaginase**  
Baran E., Ozer N., Hasirci V.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.13, no.12, pp.1113-1121, 2002 (Journal Indexed in SCI)
- CXXXIX. **Construction of an acetylcholinesterase-choline oxidase biosensor for aldicarb determination**  
Kok F., Bozoglu F., Hasirci V.  
BIOSENSORS & BIOELECTRONICS, vol.17, pp.531-539, 2002 (Journal Indexed in SCI)
- CXL. **Poly(hydroxybutyrate-co-hydroxyvalerate) nanocapsules as enzyme carriers for cancer therapy: an in vitro study**  
Baran E., Ozer N., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.19, no.3, pp.363-376, 2002 (Journal Indexed in SCI)
- CXLI. **Chondroitin sulfate-coated polyhydroxyethyl methacrylate membrane prevents adhesion in full-thickness tendon tears of rabbits**  
Gudemez E., Eksioglu F., Korkusuz P., Asan E., Gursel I., Hasirci V.  
JOURNAL OF HAND SURGERY-AMERICAN VOLUME, no.2, pp.293-306, 2002 (Journal Indexed in SCI)
- CXLII. **In vitro antibiotic release from poly(3-hydroxybutyrate-co-3-hydroxyvalerate) rods**  
Gursel I., Yagmurcu F., Korkusuz F., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.19, no.2, pp.153-164, 2002 (Journal Indexed in SCI)
- CXLIII. **PLGA bone plates reinforced with crosslinked PPF**  
Hasirci V., Litman A., Trantolo D., Gresser J., Wise D., Margolis H.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.13, no.2, pp.159-167, 2002 (Journal Indexed in SCI)
- CXLIV. **Assessment of biodegradable controlled release rod systems for pain relief applications**  
Sendil D., Wise D., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.13, no.1, pp.1-15, 2002 (Journal Indexed in SCI)
- CXLV. **Vancomycin release from poly(D,L-lactide) and poly(lactide-co-glycolide) disks**  
Ozalp Y., Ozdemir N., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.19, no.1, pp.83-94, 2002 (Journal Indexed in SCI)
- CXLVI. **Expression of liver-specific functions by rat hepatocytes seeded in treated poly(lactic-co-glycolic) acid biodegradable foams**  
Hasirci V., Berthiaume F., Bondre S., Gresser J., Trantolo D., Toner M., Wise D.  
TISSUE ENGINEERING, vol.7, no.4, pp.385-394, 2001 (Journal Indexed in SCI)
- CXLVII. **In vivo response to biodegradable controlled antibiotic release systems**  
Korkusuz F., Korkusuz P., Eksioglu F., Gursel I., Hasirci V.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol.55, no.2, pp.217-228, 2001 (Journal Indexed in SCI)
- CXLVIII. **Versatility of biodegradable biopolymers: degradability and an in vivo application**  
Hasirci V., Lewandrowski K., Gresser J., Wise D., Trantolo D.  
JOURNAL OF BIOTECHNOLOGY, vol.86, no.2, pp.135-150, 2001 (Journal Indexed in SCI)
- CXLIX. **Controlled release of vancomycin from biodegradable microcapsules**  
Ozalp Y., Ozdemir N., Kocagoz S., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.18, no.1, pp.89-110, 2001 (Journal Indexed in SCI)
- CL. **Biodegradable polyhydroxyalkanoate implants for osteomyelitis therapy: in vitro antibiotic release**  
Turesin F., Gursel I., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.12, no.2, pp.195-207, 2001 (Journal Indexed in SCI)
- CLI. **In vivo application of biodegradable controlled antibiotic release systems for the treatment of implant-related osteomyelitis**  
Gursel I., Korkusuz F., Turesin F., Alaeddinoglu N., Hasirci V.  
BIOMATERIALS, vol.22, no.1, pp.73-80, 2001 (Journal Indexed in SCI)
- CLII. **Immobilization of acetylcholinesterase and choline oxidase in/on PHEMA membrane for biosensor construction**

Kok F., Bozoglu F., Hasirci V.

JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.12, no.11, pp.1161-1176, 2001 (Journal Indexed in SCI)

- CLIII. **Tissue responses to molecularly reinforced polylactide-co-glycolide implants**  
Lewandrowski K., Gresser J., Wise D., Trantolo D., Hasirci V.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.11, no.4, pp.401-414, 2000 (Journal Indexed in SCI)
- CLIV. **High strength bioresorbable bone plates: preparation, mechanical properties and in vitro analysis**  
Hasirci V., Lewandrowski K., Bondre S., Gresser J., Trantolo D., Wise D.  
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.10, no.1, pp.19-29, 2000 (Journal Indexed in SCI)
- CLV. **Controlled release of aldicarb from carboxymethyl cellulose microspheres: in vitro and field applications**  
Kok F., Arica M., Gencer O., Abak K., Hasirci V.  
PESTICIDE SCIENCE, vol.55, no.12, pp.1194-1202, 1999 (Journal Indexed in SCI)
- CLVI. **Sulbactam-cefoperazone polyhydroxybutyrate-co-hydroxyvalerate (PHBV) local antibiotic delivery system: In vivo effectiveness and biocompatibility in the treatment of implant-related experimental osteomyelitis**  
Yagmurlu M., Korkusuz F., Gursel I., Korkusuz P., Ors U., Hasirci V.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol.46, no.4, pp.494-503, 1999 (Journal Indexed in SCI)
- CLVII. **Controlled release of aldicarb from lignin loaded ionotropic hydrogel microspheres**  
Kok F., Wilkins R., Cain R., Arica M., Alaeddinoglu G., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.16, no.5, pp.613-623, 1999 (Journal Indexed in SCI)
- CLVIII. **Antibiotic release from biodegradable PHBV microparticles**  
Sendil D., Gursel I., Wise D., Hasirci V.  
JOURNAL OF CONTROLLED RELEASE, vol.59, no.2, pp.207-217, 1999 (Journal Indexed in SCI)
- CLIX. **Development of a calcium phosphate-gelatin composite as a bone substitute and its use in drug release**  
Yaylaoglu M., Korkusuz P., Ors U., Korkusuz F., Hasirci V.  
BIOMATERIALS, vol.20, no.8, pp.711-719, 1999 (Journal Indexed in SCI)
- CLX. **Biodegradation of aldicarb in a packed-bed reactor by immobilized Methylosinus**  
Kok F., Arica M., Halicigil C., Alaeddinoglu G., Hasirci V.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.24, pp.291-296, 1999 (Journal Indexed in SCI)
- CLXI. **Novel dye-attached macroporous films for cadmium, zinc and lead sorption: Alkali Blue 6B-attached macroporous poly(2-hydroxyethyl methacrylate)**  
Denizli A., Kesenci K., Arica M., Salih B., Hasirci V., Piskin E.  
TALANTA, vol.46, no.4, pp.551-558, 1998 (Journal Indexed in SCI)
- CLXII. **Dye derived and metal incorporated affinity poly(2-hydroxyethyl methacrylate) membranes for use in enzyme immobilization**  
Arica M., Denizli A., Baran T., Hasirci V.  
POLYMER INTERNATIONAL, vol.46, no.4, pp.345-352, 1998 (Journal Indexed in SCI)
- CLXIII. **Immobilization of glucoamylase onto activated pHEMA/EGDMA microspheres: properties and application to a packed-bed reactor**  
Arica M., Alaeddinoglu N., Hasirci V.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.22, no.3, pp.152-157, 1998 (Journal Indexed in SCI)
- CLXIV. **Mechanism of calcium ion induced multilamellar vesicle DNA interaction**  
Mozafari M., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.15, no.1, pp.55-65, 1998 (Journal Indexed in SCI)
- CLXV. **Comparison of beta-galactosidase immobilization by entrapment in and adsorption on poly(2-hydroxyethylmethacrylate) membranes**  
Baran T., Arica M., Denizli A., Hasirci V.  
POLYMER INTERNATIONAL, vol.44, no.4, pp.530-536, 1997 (Journal Indexed in SCI)
- CLXVI. **Catalase adsorption onto cibacron blue F3GA and Fe(III)derivatized poly(hydroxyethyl**

- methacrylate) membranes and application to a continuous system**  
Arica M., Denizli A., Salih B., Piskin E., Hasirci V.  
JOURNAL OF MEMBRANE SCIENCE, vol.129, no.1, pp.65-76, 1997 (Journal Indexed in SCI)
- CLXVII. **Cibacron Blue F3GA-incorporated macroporous poly(2-hydroxyethyl methacrylate) affinity membranes for heavy metal removal**  
Denizli A., Salih B., Arica M., Kesenci K., Hasirci V., Piskin E.  
JOURNAL OF CHROMATOGRAPHY A, vol.758, no.2, pp.217-226, 1997 (Journal Indexed in SCI)
- CLXVIII. **Immobilization of glucose oxidase and urease in hydrogel matrices**  
Gurel I., Arica M., Hasirci V.  
TURKISH JOURNAL OF CHEMISTRY, vol.21, no.4, pp.387-393, 1997 (Journal Indexed in SCI)
- CLXIX. **Controlled release of Aldicarb from carboxymethylcellulose microcapsules**  
Arica M., Yigitoglu M., Lale M., Kok F., Hasirci V.  
TURKISH JOURNAL OF CHEMISTRY, vol.21, no.2, pp.100-104, 1997 (Journal Indexed in SCI)
- CLXX. **Pesticide and model drug release from carboxymethylcellulose microspheres**  
Darvari R., Hasirci V.  
JOURNAL OF MICROENCAPSULATION, vol.13, no.1, pp.9-24, 1996 (Journal Indexed in SCI)
- CLXXI. **Imaging of liposomes by scanning tunneling microscopy**  
Zareie M., Borucu A., Ozden M., Hasirci V., Piskin E.  
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND IMMOBILIZATION BIOTECHNOLOGY, vol.24, no.5, pp.525-531, 1996 (Journal Indexed in SCI)
- CLXXII. **THE USE OF LIPOSOMES IN THE INVESTIGATION OF MECHANISMS OF ASBESTOS DAMAGE**  
ERDOGDU G., HASIRCI V.  
EXPERIENTIA, vol.50, no.8, pp.785-787, 1994 (Journal Indexed in SCI)
- CLXXIII. **BIOREACTOR APPLICATIONS OF GLUCOSE-OXIDASE COVALENTLY BONDED ON PHEMA MEMBRANES**  
ARICA M., HASIRCI V.  
BIOMATERIALS, vol.14, no.11, pp.803-808, 1993 (Journal Indexed in SCI)
- CLXXIV. **GLUCOSE-OXIDASE SANDWICHED BETWEEN PHEMA LAYERS - A CONTINUOUS-FLOW REACTOR APPLICATION**  
ARICA M., HASIRCI V.  
BIOMATERIALS, vol.14, no.11, pp.809-816, 1993 (Journal Indexed in SCI)
- CLXXV. **IMMOBILIZATION OF GLUCOSE-OXIDASE - A COMPARISON OF ENTRAPMENT AND COVALENT BONDING**  
ARICA M., HASIRCI V.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.58, no.3, pp.287-292, 1993 (Journal Indexed in SCI)
- CLXXVI. **PERMEABILITY OF PHEMA MEMBRANES PREPARED BY PHOTOINITIATION**  
ARICA M., HASIRCI V.  
POLYMER INTERNATIONAL, vol.32, no.2, pp.177-182, 1993 (Journal Indexed in SCI)
- CLXXVII. **COVALENT IMMOBILIZATION OF ASPERGILLUS-NIGER ON PHEMA MEMBRANE - APPLICATION TO CONTINUOUS-FLOW REACTORS**  
ARICA M., SHARIF F., ALAEDDINOGLU N., HASIRCI N., HASIRCI V.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.58, no.3, pp.281-285, 1993 (Journal Indexed in SCI)
- CLXXVIII. **MATRIX ENTRAPMENT OF GLUCOSE-OXIDASE BY GAMMA-IRRADIATION**  
GURSEL I., HASIRCI V.  
BIOMATERIALS, vol.13, no.3, pp.150-155, 1992 (Journal Indexed in SCI)
- CLXXIX. **PREPARATION AND CHARACTERIZATION OF POLYMER COATED SMALL UNILAMELLAR VESICLES**  
OZDEN M., HASIRCI V.  
BIOCHIMICA ET BIOPHYSICA ACTA, vol.1075, no.1, pp.102-108, 1991 (Journal Indexed in SCI)
- CLXXX. **MODE OF CROSS-LINKING OF DEGRADABLE POLY(VINYLPYRIDINE N-OXIDE) GELS**  
HASIRCI N., KAMEL I., HASIRCI V.



- POLYMER, vol.31, no.12, pp.2393-2396, 1990 (Journal Indexed in SCI)
- CLXXXI. **PERMEABILITY PROPERTIES OF CHARGED HYDROGEL-CARRYING MEMBRANES**  
AKIN H., HASIRCI V., HASIRCI N.  
POLYMER, vol.31, no.2, pp.270-275, 1990 (Journal Indexed in SCI)
- CLXXXII. **ENZYME IMMOBILIZATION IN POLYMER COATED LIPOSOMES**  
OZDEN M., HASIRCI V.  
BRITISH POLYMER JOURNAL, vol.23, no.3, pp.229-234, 1990 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **3D printing of polymeric tissue engineering scaffolds using open-source fused deposition modeling**  
Alagoz A. S. , Hasirci V.  
EMERGENT MATERIALS, vol.3, no.4, pp.429-439, 2020 (Journal Indexed in ESCI)
- II. **A Circulating Bioreactor Reprograms Cancer Cells Toward a More Mesenchymal Niche**  
Calamak S., Ermis M., Sun H., Islam S., Sikora M., Nguyen M., Hasirci V., Steinmetz L. M. , Demirci U.  
ADVANCED BIOSYSTEMS, vol.4, no.2, 2020 (Journal Indexed in ESCI)
- III. **A novel GelMA-pHEMA hydrogel nerve guide for the treatment of peripheral nerve damages.**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
International Journal Of Biological Macromolecules, vol.121, pp.699-706, 2018 (Refereed Journals of Other Institutions)
- IV. **Differentiation of BMSCs into Nerve Precursor Cells on Fiber-Foam Constructs for Peripheral Nerve Tissue Engineering**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
Journal of Siberian Federal University. Biology, vol.11, no.2, pp.119-130, 2018 (Refereed Journals of Other Institutions)
- V. **Collagen Based Multilayer Scaffolds for Meniscus Tissue Engineering: In Vivo Test Results. Biomater Med Appl 2: 1**  
Albana Ndreu H., KARAHAN S., KÜRÜM B., HASIRCI V. N.  
Biomaterials Medical Applications, 2018 (Refereed Journals of Other Institutions)
- VI. **Collagen Based Multilayer Scaffolds for Meniscus Tissue Engineering: In Vivo Test Results**  
ndreu halili a., KARAHAN S., KÜRÜM B., HASIRCI V. N.  
Biomaterials and Medical Applications, vol.2, no.1, pp.1-9, 2018 (Refereed Journals of Other Institutions)
- VII. **Human adipose derived stem cells are superior to human osteoblasts (HOB) in bone tissue engineering on a collagen-fibroin-ELR blend**  
Sayin E., Rashid R. H. , Carlos Rodriguez-Cabello J., Elsheikh A., Baran E. T. , HASIRCI V. N.  
BIOACTIVE MATERIALS, vol.2, no.2, pp.71-81, 2017 (Journal Indexed in ESCI)

## Books & Book Chapters

- I. **Fundamentals of Biomaterials**  
HASIRCI V. N. , HASIRCI N.  
Springer, New York, 2018
- II. **Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment (Chapter 15)**  
ERMİŞ ŞEN M., ÇALAMAK S., ÇALIBAŞI G., GÜVEN S., Durmuş N. G. , Rizvi I., Hasan T., HASIRCI N., HASIRCI V. N. , Demirci U.  
in: Handbook of Nanomaterials for Cancer Theranostics, João Conde, Editor, Elsevier, Cambridge, pp.463-494, 2018
- III. **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. Hutmacher, D.W. Grainger, C.J. Kirkpatrick, Editor, Elsevier, 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. Hutmacher, D.W. Grainger, C.J. Kirkpatrick, Editor, Elsevier, pp.478-506, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Sıçanlarda siyatik sinir hasarı modelinde, 3B yazıcı ile üretilen polikaprolakton tüpler sinir iyileşmesini arttırdı**  
SARA M. Y. , yeşiltepe m., HASIRCI V. N.  
25. ULUSAL FARMAKOLOJİ KONGRESİ, kuşadası, Turkey, 4 - 07 November 2019, vol.1, pp.101
- II. **Sıçanlarda Siyatik Sinir Hasarı Modelinde 3B Yazıcı ile Üretilen Tüpler Sinir İyileşmesini Arttırdı**  
DURSUN USAL T., yeşiltepe m., YÜCEL D., SARA M. Y. , HASIRCI V. N.  
25. Ulusal Farmakoloji Kongresi, Aydın, Turkey, 4 - 07 November 2019
- III. **3B Basılı Hücre Taşıyan GelMA Hidrojelleri ile Kornea Stroma Mühendisliği**  
BEKTAŞ C., HASIRCI V. N.  
23. Biyomedikal ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018
- IV. **Doku Mühendisliği Yöntemi ile Tübüler Damar Eşleniği Geliştirilmesi**  
Köle G. E. , DURSUN USAL T., HASIRCI V. N. , YÜCEL D.  
23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2018), İstanbul, Turkey, 15 - 16 December 2018
- V. **3 Boyutlu Yazım Tekniği ile Polikaprolakton Sinir Kılavuzu Üretimi**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
23. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2018), İstanbul, Turkey, 15 - 16 December 2018
- VI. **NUCLEUS DEFORMATION ON MICROPATTERNED SUBSTRATES: A TOOL TO QUANTIFY NUCLEAR DEFORMABILITY OF CANCER CELLS**  
ERMİŞ ŞEN M., AKKAYNAK D., CHEN P., DEMİR U., HASIRCI V. N.  
IBMEC'18, Second International Biomedical Engineering Conference, Cyprus (Kktc), 24 - 27 May 2018
- VII. **GelMA-pHEMA hydrogel composite nerve guide for peripheral nerve regeneration.**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
2nd International Biomedical Engineering Congress (IBMEC 2018), Lefkoşa, Cyprus (Kktc), 24 - 27 May 2018, pp.72
- VIII. **3D Cellular Alignment Enhance ASC Myogenesis for Skeletal Muscle Tissue Engineering**  
Ergene E., Sezlev Bilecen D., Ermiş Şen M., HURİ P., HASIRCI V. N.  
28th Annual Conference of the European Society for Biomaterials (ESB 2017), 4 - 08 September 2017
- IX. **Human Corneal Keratocytes Loaded Methacrylated Gelatin Hydrogels as a Model Corneal Stroma**  
BEKTAŞ C., HASIRCI V. N.  
28th Annual Conference of the European Society for Biomaterials (ESB), Atina, Greece, 4 - 08 September 2017
- X. **Development of a Methacrylated Gelatin Based Nerve Guide**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
28th Annual Conference of the European Society for Biomaterials, 4 - 08 September 2017
- XI. **A UV crosslinked hydrogel loaded with ADSCto promote vascularization for tissue engineered skin**  
EKE G., Mangir N., HASIRCI N., MacNeil S., HASIRCI V. N.  
TERMIS, 26 - 30 June 2017
- XII. **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
- XIII. **Targeted delivery of PEI:DNAoligo complexes with PLGA nanocapsules to bone tissue**  
SEZLEV BİLECEN D., RODRIGUEZ CABELLO J. C. , ULUDAĞ H., HASIRCI V. N.

- 22nd International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- XIV. **Development of GelMA-pHEMA Hydrogel Blend for Nerve Tissue Engineering Applications**  
DURSUN USAL T., YÜCEL D., HASIRCI V. N.  
22nd International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- XV. **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
- XVI. **Cellular Alignment Enhance the Mechanical Properties of ASC Laden Fibrin Microfibers**  
Ergene E., Malikmammadov E., HURİ P., HASIRCI V. N.  
22nd International Biomedical Science and Technology Symposium (BIOMED 2017), 12 - 14 May 2017
- XVII. **GelMA-HEMA BCN Hydrogels for Corneal Stroma Engineering**  
BEKTAŞ C., HASIRCI V. N.  
22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- XVIII. **Estradiol releasing hydrogel as a proangiogenic substitute for fat flaps used in urogenital reconstruction**  
EKE G., Mangir N., HASIRCI N., Chapple C., HASIRCI V. N. , MacNeil S.  
32nd Annual European Association of Urology, Londrina, Brazil, 24 - 28 March 2017
- XIX. **Patient specific material processing approaches in biomaterials and tissue engineering**  
Bahcecioglu B., Buyuksungur A., Hasirci N., Hasirci V.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.35-36
- XX. **Use of hydroxyapatite specific elastin-like polypeptide in targeting of PEI-siRNA complex loaded PLGA nanocapsules to bone tissue**  
Bilecen D. S. , Uludag H., HASIRCI V. N.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.320
- XXI. **Surface modified multi-functional PCL/TCP fibrous scaffolds**  
MALIKMAMMADOV E., ENDOĞAN TANIR T., KIZILTAY A., HASIRCI N., HASIRCI V. N.  
10th World Biomaterials Congress, 17 - 22 May 2016
- XXII. **Collagen Chondroitin Sulfate and Carboxymethyl Cellulose Bilayered Scaffolds for Skin Tissue Engineering Applications**  
KIMIZ I., ZEYBEK B., BEKTAŞ C., HASIRCI V. N. , HASIRCI N., ŞENDEMİR ÜRKMEZ A.  
VII. International Bioengineering Congress, 19 - 21 November 2015
- XXIII. **Open Source 3D Printed PHA PLA Construct for Bone Tissue Engineering**  
ALAGÖZ A. S. , HASIRCI N., HASIRCI V. N.  
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXIV. **Polycaprolactone Collagen Based Electrospun Nanofiber Scaffolds for Vascular Tissue Engineering**  
Öncü S., HASIRCI V. N.  
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXV. **Co culture of VSMC and HUVEC on Electrospun Polycaprolactone Collagen Mats as a Vascular Substitute**  
Öncü S., HASIRCI V. N.  
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXVI. **Construction of a Retina Substitute by Using Tissue Engineering Approach**  
KÖMEZ A., BARAN E. T. , HASIRCI N., HASIRCI V. N.  
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXVII. **Influence of Micropatterns on Human Mesenchymal Stem Cell Fate**  
Hastürk O., HASIRCI N., HASIRCI V. N.  
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXVIII. **NaCMC and Collagen Bilayer Scaffolds for Skin Tissue Engineering**  
BEKTAŞ C., KIMIZ I., ŞENDEMİR ÜRKMEZ A., HASIRCI V. N. , HASIRCI N.

- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXIX. **Controlled Doxorubicin Delivery from Photoresponsive Liposomes Carrying Vitamin A Derivatives**  
BÜYÜKSUNGUR S., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXX. **Development of a Polymeric Cage Material For Use in Lumbar Bone Defects**  
HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXI. **Cell implant Interactions and Their Role on Cell Behaviour**  
HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXII. **Guided Tissue Regeneration by Micro and Nanofabricated Scaffolds**  
BARAN E. T. , KÖMEZ A., SAYIN E., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXIII. **Modelling of 3D Scaffolds for Patient Specific Implants**  
BÜYÜKSUNGUR A., HASIRCI N., ENDOĞAN TANIR T., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXIV. **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
- XXXV. **Construction of Multifunctional Nerve Guides for Spinal Cord Injuries**  
ARSLANTUNALI D., NİZAMOĞLU M., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXVI. **3D Printed Tissue Engineered Femoral Implant Design and Production**  
BÜYÜKSUNGUR S., BÜYÜKSUNGUR A., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXVII. **Micropatterned Substrates for Cell Cycle Synchronization in MDA MB231 Breast Carcinoma Cell Line**  
Ermış M., ÇALAMAK S., Chen P., ULUBAYRAM K., HASIRCI V. N. , demirci U.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXVIII. **Synthesis of Polyurethane for Coating of Neurostimulator**  
KÖMEZ A., BÜYÜKSUNGUR S., HASIRCI V. N. , HASIRCI N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXXIX. **Delivery of active Drugs into Cells with PHBV Nanoparticles**  
ŞAHİN A., EKE G., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XL. **Synthesis of Polyurethane for Coating of Neurostimulators**  
Kömez A., Büyüksungur S., HASIRCI V. N. , HASIRCI N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XLI. **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
- XLII. **Use of Hydroxyapatite Specific Elastin Like Polypeptide in Targeting of PLGA Nanocapsules to Bone Tissue**  
Sezlev D., Uludağ H., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XLIII. **Development of Polymeric Cage Material for Use in Lumbar Bone Defects**  
Günay B., HASIRCI N., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XLIV. **Effect of Micropatterned Surfaces on the Cell Adhesion and Nuclear Deformation of Saos 2 Cells on Collagen and PLGA Films**  
Antmen E., Ermış M., Demirci U., HASIRCI V. N.
- 21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015

- XLV. Influence of Micropatterns on Human Mesenchymal Stem Cell Fate**  
Hastürk O., HASIRCI N., HASIRCI V. N.  
East West Asia Biomaterials Symposium, 21 October 2015
- XLVI. Contribution of a Bioactive Elastin Like Protein to 2D Collagen Fibroin Scaffolds**  
SAYIN E., Rodriguez Cabello J. C. , Baran E. T. , HASIRCI V. N.  
East West Asia Biomaterials Symposium, 21 October 2015
- XLVII. Biopolymers in Tissue Engineering and Regenerative Medicine**  
HASIRCI V. N. , ALAGÖZ A. S. , DURSUN T., BEKTAŞ C., HASIRCI N.  
8th European Symposium on Biopolymers, 16 - 18 September 2015
- XLVIII. A 3D Printed, PCL-Based Scaffold for Potential Use in Meniscal Regeneration**  
Bahcecioglu G., Hasirci N., HASIRCI V. N.  
4th TERMIS World Congress, Massachusetts, United States Of America, 8 - 11 September 2015, vol.21
- XLIX. Delivery of Drugs into Cells with PHBV Nanoparticles**  
HASIRCI V. N. , Sahin A., Eke G., Hasirci N.  
4th TERMIS World Congress, Massachusetts, United States Of America, 8 - 11 September 2015, vol.21
- L. Collagen and Carboxymethyl Cellulose Bilayers for Skin Tissue Repair**  
BEKTAŞ C., KIMIZ I., ŞENDEMİR ÜRKMEZ A., HASIRCI V. N. , HASIRCI N.  
27th European Conference on Biomaterials, 30 August - 03 September 2015
- LI. Patterned Thermoresponsive NIPAM pHEMA Hydrogels for Corneal Repair**  
BEKTAŞ C., HASIRCI V. N.  
27th European Conference on Biomaterials (ESB2015), 30 August - 03 September 2015
- LII. Effect of Osteogenic Growth of Adipose Derived Stem Cells And Human Osteoblasts on the Mechanical Properties of Protein Based Films with Microchannels**  
SAYIN E., Rashid R. H. , Elsheikh A., Rodriguez Cabello J. C. , BARAN E. T. , HASIRCI V. N.  
27th European Conference on Biomaterials (ESB), 30 August - 03 September 2015
- LIII. Influence of isotropic micropatterns on proliferation morphology and spreading of bone derived cells**  
HASTÜRK O., ERMİŞ ŞEN M., DEMİRCİ U., HASIRCI N., HASIRCI V. N.  
27th European Conference on Biomaterials, 30 August - 03 September 2015
- LIV. A Novel Biological Polyester Based Wet Spun Scaffold for Bone Tissue Engineering**  
ALAGÖZ A. S. , Rodriguez Cabello J. C. , HASIRCI N., HASIRCI V. N.  
27th European Conference on Biomaterials (ESB), 30 August - 03 September 2015
- LV. Wet Spun Scaffolds of PHA PLA Blend for Bone Tissue Engineering**  
Alagöz A. S. , Rodriguez Cabello J. C. , HASIRCI N., HASIRCI V. N.  
27th European Conference on Biomaterials (ESB), 30 August - 03 September 2015
- LVI. Patient Specific Orthopedic Implant Design and Production with Tissue Engineering Method**  
BÜYÜKSUNGUR S., BÜYÜKSUNGUR A., HASIRCI N., HASIRCI V. N.  
11th Frontiers in Biomedical Polymers Symposium, 8 - 11 July 2015
- LVII. Chitosan PLGA nanofibers prepared by electrospinning for tissue engineering applications**  
ENDOĞAN TANIR T., HASIRCI V. N. , HASIRCI N.  
Termis-EU, 17 - 20 June 2013
- LVIII. Çeşitli büyüme faktörleri içeren nano kapsüllerle hazırlanmış üç boyutlu kitosan iskele yapılarının insan mezenşimal kök hücrelerinin proliferasyonu ve osteojenik farklılaşması üzerine etkisinin değerlendirilmesi**  
SAYGUN N. I. , VEHBİ B., KIZILTAY A., HURİ YILGÖR P., AVCU F., ÜSTÜN K., HASIRCI V. N. , HASIRCI N.  
42. Türk Periodontoloji Derneği Ulusal Kongresi, Ankara, Turkey, 8 - 10 November 2012
- LIX. 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
- LX. Doku Mühendisliğine Yönelik Biyobozunur Poli ester üreten Sentezlenmesi Karakterizasyonu ve**

## **Biyoyumluluğu**

KIZILTAY A., FERNANDEZ A. M. , SAN ROMAN J., HASIRCI V. N. , HASIRCI N.

BİYOMUT 2010 - 15. Biyomedikal Mühendisliği Ulusal Toplantısı, Antalya, Turkey, 21 - 24 April 2010

- LXI. **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 (Kkct), 16 - 19 August 2009
- LXII. **Poli ester üreten desteklerde kemik hücre davranışının incelenmesi**  
KIZILTAY A., HASIRCI V. N. , HASIRCI N.  
IV. Ulusal Biyomühendislik Kongresi, İzmir, Turkey, 15 - 18 October 2008
- LXIII. **PLGA based BMP-2 nanocapsules for bone tissue engineering**  
Yilgor P., Orth C., Ghanaati S., Hasirci N., Kirkpatrick J., HASIRCI V. N.  
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Porto, Portugal, 01 June 2008, vol.14, pp.896-897
- LXIV. **Nano/microparticle incorporated chitosan fibers as tissue engineering scaffolds**  
Yilgor P., Tuzlakoglu K., Reis R. L. , Hasirci N., HASIRCI V. N.  
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Porto, Portugal, 01 June 2008, vol.14, pp.759
- LXV. **Mesenchymal stem cell behaviour on topographical cues**  
Yucel D., Kenar H., KÖSE G., HASIRCI V. N.  
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Porto, Portugal, 01 June 2008, vol.14, pp.878
- LXVI. **Micropatterned chitosan films for cell guidance**  
KIZILTAY A., Hindie M., Hasirci N., HASIRCI V. N.  
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Porto, Portugal, 01 June 2008, vol.14, pp.880
- LXVII. **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
- LXVIII. **3D plotted PCL scaffolds for stem cell based bone tissue engineering**  
Yilgor P., Sousa R. A. , Reis R. L. , Hasirci N., HASIRCI V. N.  
4th European Symposium on Biopolymers, Kusadasi, Turkey, 2 - 04 October 2007, vol.269, pp.92-99
- LXIX. **Surface modification of polyurethanes with covalent immobilization of heparin**  
AKSOY A., Hasirci V., Hasirci N.  
4th European Symposium on Biopolymers, Kusadasi, Turkey, 2 - 04 October 2007, vol.269, pp.145-153
- LXX. **Influence of oxygen plasma modification on surface free energy of PMMA films and cell attachment**  
Ozcan C., Zorlutuna P., Hasirci V., Hasirci N.  
4th European Symposium on Biopolymers, Kusadasi, Turkey, 2 - 04 October 2007, vol.269, pp.128-137
- LXXI. **Synthesis of Lysine Based Poly ester urethane and Investigation of BMSC on Micropatterned Polymer Films**  
KIZILTAY A., MARCOS FERNANDEZ A., SAN ROMAN J., HASIRCI V. N. , HASIRCI N.  
4th European Symposium on Biopolymers (ESBP), İzmir, Turkey, 2 - 04 October 2007
- LXXII. **Polyester and collagen scaffolds for cornea tissue engineering**  
Hasirci V., Vrana N. E. , Zorlutuna P.  
Conference of the Tissue-Engineering-and-Regenerative-Medicine-International-Society (TERMIS-EU), London, Canada, 4 - 07 September 2007, vol.13, pp.1743
- LXXIII. **Biodegradable polymers as scaffolds of tissue engineering: performance and biocompatibility**  
Hasirci V.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.31

- LXXIV. Construction of an acetylcholinesterase-choline oxidase biosensor for aldicarb determination**  
Kok F., Bozoglu F., Hasirci V.  
Conference of the NATO-Advanced-Study-Institute on Novel Processes and Control Technologies in the Food Industry, KEMER, Turkey, 11 - 22 September 2000, vol.338, pp.49-62
- LXXV. The development of a novel composite bone substitute for use in drug release**  
Yaylaoglu M., Korkusuz P., Ors U., Korkusuz F., Hasirci V.  
4th International Symposium on Biomedical Science and Technology (BIOMED 4), İstanbul, Turkey, 15 - 17 September 1997, pp.205-215
- LXXVI. Antibiotic release from biodegradable PHBV microparticles**  
Sendil D., Gursel I., Wise D., Hasirci V.  
4th International Symposium on Biomedical Science and Technology (BIOMED 4), İstanbul, Turkey, 15 - 17 September 1997, pp.89-96
- LXXVII. Microbial polyhydroxyalkanoates as biodegradable drug release materials**  
Hasirci V., Gursel I., Turesin F., Yigitel G., Korkusuz F., Alaeddinoglu G.  
4th International Symposium on Biomedical Science and Technology (BIOMED 4), İstanbul, Turkey, 15 - 17 September 1997, pp.183-187
- LXXVIII. Factors affecting in-situ properties of bone cement**  
Arun B., Arica M., Korkusuz F., Hasirci V.  
1st International Conference on Biomedical Materials, Ancona, Italy, 01 May 1997, vol.16, pp.98-101
- LXXIX. Gentamicin release from a hydroxyapatite - Gelatin composite**  
Yaylaoglu M., Korkusuz F., Hasirci V.  
1st International Conference on Biomedical Materials, Ancona, Italy, 01 May 1997, vol.16, pp.149-154
- LXXX. DRUG-RELEASE FROM CARBOXYMETHYL CELLULOSE MICROSPHERES**  
HASIRCI V., DARVARI R.  
9th International Symposium on Microencapsulation, Ankara, Turkey, 13 - 15 September 1993, pp.64-67
- LXXXI. NOVEL PHEMA MEMBRANES FOR POTENTIAL BIOELECTRODE USE**  
ARICA M., HASIRCI V.  
NATO Advanced Research Workshop on Uses of Immobilized Biological Compounds, BRIKEN, Italy, 9 - 14 May 1993, vol.252, pp.81-90

## Supported Projects

- HASIRCI V. N. , Project Supported by Higher Education Institutions, Makro Gözenekli PHBV-ELP iskelelerin kemik doku mühendisliğinde kullanımı Bone Tissue Engineering Using Macroporous PHBV-ELP Scaffolds, 2016 - Continues
- HASIRCI V. N. , Project Supported by Higher Education Institutions, MAKRO GÖZENEKLI PHBV-ELP İSKELELERİN KEMİK DOKU MÜHENDİSLİĞİNDE İÇİN İN VIVO KOŞULLARDA DENENMESİ, 2016 - Continues
- HASIRCI V. N. , BEKTAŞ C., Project Supported by Higher Education Institutions, Çok Katmanlı Kornea Yapıları için Yönlendirilmiş Hücre Tabakaları ve S-IPN Hidrojeller, 2016 - 2016
- HASIRCI V. N. , ANTMEN E., BAHÇECİOĞLU G., Project Supported by Higher Education Institutions, Polimer Yapıdaki Meniskal İmplantın Hücreli ve Hücreli Olarak Koyun Modeline İmplantasyonunun Değerlendirilmesi, 2016 - 2016
- HASIRCI V. N. , Project Supported by Higher Education Institutions, MİKRO DESENLI POLİMERİK YÜZEYLER KULLANILARAK SAĞLIKLI VE NEOPLASTİK HÜCRELERİN DAVRANIŞARININ SAPTANMASI, 2013 - 2015
- HASIRCI V. N. , EKE G., Project Supported by Higher Education Institutions, YAPAY DERİ MODELİ GELİŞTİRİLMESİ VE DERİ HASTALIKLARI TEDAVİSİ İÇİN İLAÇ YÜKLÜ BİYOPOLİMERİK TAŞIYICILARIN YAPAY DERİ İÇİNE ALINIMI, 2013 - 2013
- HASIRCI V. N. , ARSLANTUNALI D., Project Supported by Higher Education Institutions, OMURİLİK YARALANMALARI İÇİN İLAÇ SALIM SİSTEMİ OLARAK SİNİR YÖNLENDİRME YÖNTEMİ GELİŞTİRİLMESİ, 2013 - 2013
- HASIRCI V. N. , GÜNAY B. B. , Project Supported by Higher Education Institutions, LUMBAR KEMİK DEFECTLERİ İÇİN POLİMERİK İMPLANT GELİŞTİRİLMESİ, 2013 - 2013
- HASIRCI V. N. , SAYIN E., Project Supported by Higher Education Institutions, MİKRO ÇEVRENİN DOKU MÜHENDİSLİĞİ

UYGULAMALARINA ETKİSİ, 2013 - 2013

HASIRCI V. N. , BAHÇECİOĞLU G., Project Supported by Higher Education Institutions, PCL/KOLLAJEN TEMELLİ ÜÇ BOYUTLU MENİSKÜS DOKU MÜHENDİSLİĞİ, 2013 - 2013

HASIRCI V. N. , HEPER S., Project Supported by Higher Education Institutions, IŞIĞA DUYARLI LİPOZOMLARIN (DRVs) NEOVASKÜLER GÖZ HASTALIKLARININ TEDEVİSİ İÇİN İLAÇ TAŞIYICI SİSTEM OLARAK GELİŞTİRİLMESİ, 2013 - 2013

HASIRCI V. N. , SEZLEV D., Project Supported by Higher Education Institutions, KEMİK ERİMESİ TEDAVİSİ İÇİN siRNA SALIM SİSTEMİ GELİŞTİRİLMESİ, 2013 - 2013

HASIRCI V. N. , DURSUN T., Project Supported by Higher Education Institutions, OMURİLİK ZEDELLENMESİ TEDAVİSİNDE KULLANILAN YAPILARIN İÇ MİMARİSİ HAKKINDA ÇALIŞMA, 2013 - 2013

HASIRCI V. N. , KÖMEZ A., Project Supported by Higher Education Institutions, DOKU MÜHENDİSLİĞİ YAKLAŞIMINI KULLANARAK YAPAY RETİNA YAPIMI, 2013 - 2013

HASIRCI V. N. , ANTMEN E., Project Supported by Higher Education Institutions, ELASTİN BENZERİ POLİMER (ELP) VE KOLLAJENDEN YAPILMIŞ İSKELELERİN FİZİKSEL ÖZELLİKLERİN HÜCRE TUTUNMASI VE FARKLILAŞMASI ÜZERİNDEKİ ETKİSİ, 2013 - 2013

HASIRCI V. N. , Project Supported by Higher Education Institutions, Elastin Benzeri Polimer (elp) Ve Kollajenden Yapılmış İskelelerin Fiziksel Özelliklerin Hücre Tutunması Ve Farklılaşması Üzerindeki Etkisi, 2012 - 2012

HASIRCI V. N. , Project Supported by Higher Education Institutions, Suprofen İçeren Lipozomlardan Işık Kontrollü İlaç Salımı, 2011 - 2011

HASIRCI V. N. , Project Supported by Higher Education Institutions, Mikro-Nano Desenli Polimerik Yüzeyleerin Farklı Hücre Tiplerini Yönlendirmedeki Etkilerinin Araştırılması Ve Damar Doku Mühendisliğine Uygulanması, 2010 - 2010

HASIRCI V. N. , Project Supported by Higher Education Institutions, Nanodesenli Hücre Taşıyıcılarının Damar Doku Mühendisliğinde Kullanımı, 2009 - 2009

## Citations

Total Citations (WOS):6239

h-index (WOS):46