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Education Information

- Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biotechnology, Turkey 1994 - 2001
- Post Graduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biotechnology, Turkey 1991 - 1994
- Under Graduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Biology, Turkey 1987 - 1991

Research Areas

Biomedical Engineering, Life Sciences, Biotechnology, Biomaterial, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

- Professor, Middle East Technical University, Faculty of Engineering, Mühendislik Bilimleri, 2017 - Continues
- Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Engineering Sciences, 2010 - 2017
- Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2004 - 2010
- Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2002 - 2003
- Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1993 - 2001

Professional Experience

- Engineering Research Group Executive Committee , TUBİTAK, MAG Yürütücü Kurulu, 2016 - Continues
- Manager of Research and Application Center, Middle East Technical University, Faculty Of Engineering, Biyomalzeme Ve Doku Mühendisliği Araştırma Ve Uygulama Merkezi , 2016 - Continues
- Erasmus Coordinator, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2014 - Continues

Advising Theses

- TEZCANER A., Growth factor loaded silk fibroin/pegdma hydrogels for articular cartilage tissue engineering, Post Graduate, M.FATHI(Student), 2018
- TEZCANER A., Borate modified bioglass containing scaffolds for dental tissue engineering applications, Doctorate, R.MOONESI(Student), 2018

- TEZCANER A., Biopolymer modified polypropylene mesh for hernia treatment, Post Graduate, S.AKBABA(Student), 2018
- TEZCANER A., KESKİN D., Development of clinoptilolite/poly ϵ -caprolactone -poly ethylene glycol - poly ϵ -caprolactone triblock copolymer based scaffolds for bone tissue engineering, Post Graduate, A.ENGIN(Student), 2016
- TEZCANER A., Development of vascularized adipose tissue construct based on adipose tissue extracellular matrix and silk fibroin, Post Graduate, A.KAYABÖLEN(Student), 2015
- TEZCANER A., Development of microcarrier systems for bone tissue engineering, Post Graduate, H.AYDOĞDU(Student), 2015
- TEZCANER A., KESKİN D., Raloxifene delivery systems for osteoporosis treatment, Doctorate, A.KAVAS(Student), 2014
- TEZCANER A., AKDAĞ A., Development and characterization of silk fibroin and citrus pectin based scaffolds for bone tissue engineering, Post Graduate, S.ATAOL(Student), 2014
- TEZCANER A., KESKİN D., Development of a new targeted liposomal delivery system of doxorubicin modified with lymphoma cell specific antibody, Post Graduate, A.DENİZ(Student), 2014
- TEZCANER A., DURUCAN C., Simvastatin loaded porous hydroxyapatite based microcarriers for bone tissue engineering, Post Graduate, M.GÜLDİKEN(Student), 2014
- TEZCANER A., Development of novel controlled release formulations of anti-TNF for rheumatoid arthritis and modeling of release behaviors, Doctorate, Ö.ERDEMLİ(Student), 2013
- TEZCANER A., Characterization of liposomal Celecoxib formulation as a drug delivery system in colorectal cancer cell lines, Doctorate, A.ERDOĞ(Student), 2012
- TEZCANER A., KESKİN D., In situ, in vitro and in vivo evaluation of effectiveness of new treatment approaches involving controlled drug delivery systems in cartilage degenerations, Doctorate, Ö.AYDIN(Student), 2011
- TEZCANER A., Bone marrow targeted liposomal drug delivery systems, Post Graduate, M.BAKI(Student), 2011
- TEZCANER A., KESKİN D., Preparation of sericin based wound dressing and investigation of its biomaterial properties, Post Graduate, Ö.AKTÜRK(Student), 2009
- TEZCANER A., EVİS Z., Structural, mechanical, and biocompatibility investigations of yttrium and fluoride doped nano hydroxyapatite, Post Graduate, B.BAŞAR(Student), 2009
- TEZCANER A., The effect of mechanical forces on adipogenic differentiation, Post Graduate, P.SHARAFI(Student), 2008
- TEZCANER A., KESKİN D., Evaluation of effectiveness of different bioactive agents for treatment of osteoarthritis with in vitro model under dynamic mechanical stimulation, Post Graduate, A.KAVAS(Student), 2007
- TEZCANER A., KESKİN D., Biocompatibility and biomechanical properties of new polycaprolactone-bioglass based bone implant materials, Post Graduate, Ö.ERDEMLİ(Student), 2007
- TEZCANER A., HASIRCI V. N. , Cornea engineering on biodegradable polyesters, Post Graduate, P.ZORLUTUNA(Student), 2005
- TEZCANER A., HASIRCI V. N. , Development of a genetic material transfer approach for gene therapy, Post Graduate, Ş.AYAZ(Student), 2005

Jury Memberships

- Associate Professor Exam, Doçentlik sınav jürisi, Üniversitelerarası Kurulu, December, 2018
- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurulu, December, 2018
- Doctoral Examination, Mühendislik Bilimleri Doktora Yeterlik Komitesi, ODTÜ, December, 2018
- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurulu, December, 2018
- Appointment Academic Staff, Profesörlük dosyası değerlendirme, Hacettepe Üniversitesi, December, 2018
- Award, Mustafa Parlar Ödül başvuru dosyası değerlendirme, ODTÜ PROF. DR. MUSTAFA N. PARLAR EĞİTİM VE ARAŞTIRMA VAKFI , December, 2018
- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, September, 2018

- Associate Professor Exam, Doçentlik , Üniversitelerarası Kurul, September, 2018
- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, September, 2018
- Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversitelerarası Kurul, September, 2018

Research Infrastructure Information

- Tezcaner A., Biomaterials and Tissue Engineering Center of Excellence, September 2010

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

- **A dual-phase scaffold produced by rotary jet spinning and electrospinning for tendon tissue engineering**

Guner M. B. , DALGIÇ A. D. , TEZCANER A., Yılançı S., KESKİN D.

BIOMEDICAL MATERIALS, vol.15, 2020 (Journal Indexed in SCI)

- **Cellulose acetate-gelatin-coated boron-bioactive glass biocomposite scaffolds for bone tissue engineering**

Rad R. M. , ALSHEMARY A. Z. G. , EVİS Z., KESKİN D., TEZCANER A.

BIOMEDICAL MATERIALS, vol.15, 2020 (Journal Indexed in SCI)

- **Dual growth factor delivery using PLGA nanoparticles in silk fibroin/PEGDMA hydrogels for articular cartilage tissue engineering**

Fathi-Achachelouei M., Keskin D., Bat E., Vrana N. E. , Tezcaner A.

JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.108, pp.2041-2062, 2020 (Journal Indexed in SCI)

- **Boron-doped Biphasic Hydroxyapatite/beta-Tricalcium Phosphate for Bone Tissue Engineering**

PAZARÇEVİREN A. E. , TEZCANER A., KESKİN D., Kolukisa S. T. , Surdem S., EVİS Z.

BIOLOGICAL TRACE ELEMENT RESEARCH, 2020 (Journal Indexed in SCI)

- **Synthesis and characterization of magnesium-lanthanum dual doped bioactive glasses**

Jodati H., Guner B., Evis Z., Keskin D., Tezcaner A.

CERAMICS INTERNATIONAL, vol.46, pp.10503-10511, 2020 (Journal Indexed in SCI)

- **Historical development of simulated body fluids used in biomedical applications: A review**

Yılmaz B., PAZARÇEVİREN A. E. , TEZCANER A., EVİS Z.

MICROCHEMICAL JOURNAL, vol.155, 2020 (Journal Indexed in SCI)

- **Effects of surface pretreatments and coating period on hydroxyapatite coating of Ti6Al4V alloy**

HACIOĞLU T., EVİS Z., TEZCANER A., AYDINOL M. K.

JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.56, pp.545-557, 2020 (Journal Indexed in SCI)

- **A comparative study of monoaxial and coaxial PCL/gelatin/Ploxamer 188 scaffolds for bone tissue engineering**

Alissa Alam H., Dalgıç A. D. , Tezcaner A., Özen C., Keskin D.

International Journal of Polymeric Materials and Polymeric Biomaterials, vol.69, pp.339-350, 2020 (Journal Indexed in SCI)

- **Multifunctional periodontal membrane for treatment and regeneration purposes**

Isik G., HASIRCI N., TEZCANER A., KIZILTAY A.

JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.35, pp.117-138, 2020 (Journal Indexed in SCI)

- **Composite clinoptilolite/PCL-PEG-PCL scaffolds for bone regeneration: In vitro and in vivo evaluation**

Pazarçeviren A. E. , Dikmen T., Altunbas K., Yaprakci V., Erdemli O., Keskin D., Tezcaner A.

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.14, pp.3-15, 2020 (Journal Indexed in SCI)

● **Bacterial cellulose-reinforced boron-doped hydroxyapatite/gelatin scaffolds for bone tissue engineering**

Atila D., Karataş A., Evcin A., Keskin D., Tezcaner A.

CELLULOSE, vol.26, pp.9765-9785, 2019 (Journal Indexed in SCI)

● **Nanocrystalline Zn²⁺ and SO₄²⁻ binary doped fluorohydroxyapatite: A novel biomaterial with enhanced osteoconductive and osteoinconductive properties**

ALSHEMARY A. Z. G. , Pazarceviren E. A. , DALGIÇ A. D. , Tezcaner A., KESKİN D., EVİS Z.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.104, 2019 (Journal Indexed in SCI)

● **Porous clinoptilolite-nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications**

Alshemary A. Z. G. , Pazarçeviren A. E. , Keskin D., Tezcaner A., Hussain R., Evis Z.

BIOMEDICAL MATERIALS, vol.14, 2019 (Journal Indexed in SCI)

● **Development of a novel functionally graded membrane containing boron-modified bioactive glass nanoparticles for guided bone regeneration**

Rad R. M. , Atila D., Evis Z., Keskin D., Tezcaner A.

JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.13, pp.1331-1345, 2019 (Journal Indexed in SCI)

● **Evaluation of human dental pulp stem cells behavior on a novel nanobiocomposite scaffold prepared for regenerative endodontics**

Rad R. M. , Atila D., Akgun E. E. , Evis Z., Keskin D., Tezcaner A.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.100, pp.928-948, 2019 (Journal Indexed in SCI)

● **Diatom shell incorporated PHBV/PCL-pullulan co-electrospun scaffold for bone tissue engineering**

Dalgıç A. D. , Atila D., Karataş A., Tezcaner A., Keskin D.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.100, pp.735-746, 2019 (Journal Indexed in SCI)

● **Use of Nanoparticles in Tissue Engineering and Regenerative Medicine**

Fathi-Achachelouei M., Knopf-Marques H., Ribeiro da Silva C. E. , Barthes J., BAT E., TEZCANER A., Vrana N. E.

FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.7, 2019 (Journal Indexed in SCI)

● **Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration**

Pazarçeviren A. E. , Evis Z., Keskin D., Tezcaner A.

BIOMEDICAL MATERIALS, vol.14, 2019 (Journal Indexed in SCI)

● **A new therapeutic combination for osteosarcoma: Gemcitabine and Clofazimine co-loaded liposomal formulation**

Caliskan Y., DALGIÇ A. D. , Gereci S., Gulec E. A. , TEZCANER A., ÖZEN C., KESKİN D.

INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.557, pp.97-104, 2019 (Journal Indexed in SCI)

● **In vitro performance of a nanobiocomposite scaffold containing boron-modified bioactive glass nanoparticles for dentin regeneration**

Rad R. M. , Pazarceviren E., Akguen E. E. , Evis Z., Keskin D., Sahin S., Tezcaner A.

JOURNAL OF BIOMATERIALS APPLICATIONS, vol.33, pp.834-853, 2019 (Journal Indexed in SCI)

● **Fabrication of functionalized citrus pectin/silk fibroin scaffolds for skin tissue engineering**

Türkkan S., Atila D., Akdağ A., Tezcaner A.

JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, pp.2625-2635, 2018 (Journal Indexed in SCI)

● **Structural and biological assessment of boron doped bioactive glass nanoparticles for dental tissue applications**

Rad R. M. , Alshemary A. Z. G. , Evis Z., Keskin D., Altunbas K., Tezcaner A.

CERAMICS INTERNATIONAL, vol.44, pp.9854-9864, 2018 (Journal Indexed in SCI)

● **Silicate-doped nano-hydroxyapatite/graphene oxide composite reinforced fibrous scaffolds for bone**

tissue engineering

DALGIÇ A. D. , ALSHEMERY A. Z. G. , TEZCANER A., KESKİN D., EVİS Z.

JOURNAL OF BIOMATERIALS APPLICATIONS, vol.32, pp.1392-1405, 2018 (Journal Indexed in SCI)

● **Physico-chemical and biological properties of hydroxyapatite extracted from chicken beaks**

ALSHEMERY A. Z. G. , AKRAM M., TAHA A., TEZCANER A., EVİS Z., HUSSAİN R.

MATERIALS LETTERS, vol.215, pp.169-172, 2018 (Journal Indexed in SCI)

● **Investigation of bismuth doped bioglass/graphene oxide nanocomposites for bone tissue engineering**

PAZARÇEVİREN A. E. , TAHMASEBİFAR A., TEZCANER A., KESKİN D., EVİS Z.

CERAMICS INTERNATIONAL, vol.44, pp.3791-3799, 2018 (Journal Indexed in SCI)

● **Impact of B2O3 and La2O3 addition on structural, mechanical and biological properties of hydroxyapatite**

KHOSHİMA S., ALSHEMERY A. Z. G. , TEZCANER A., SURDEM S., EVİS Z.

PROCESSING AND APPLICATION OF CERAMICS, vol.12, pp.143-152, 2018 (Journal Indexed in SCI)

● **Fe3+/SeO42- dual doped nano hydroxyapatite: A novel material for biomedical applications**

ALSHEMERY A. Z. G. , PAZARÇEVİREN A. E. , TEZCANER A., EVİS Z.

JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, pp.340-352, 2018 (Journal Indexed in SCI)

● **Nanosized CaP-silk fibroin-PCL-PEG-PCL/PCL based bilayer membranes for guided bone regeneration**

Türkkan S., Pazarçeviren A. E. , Keskin D., Machin N. E. , Duygulu O., Tezcaner A.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.80, pp.484-493, 2017 (Journal Indexed in SCI)

● **Strontium doped hydroxyapatite biomimetic coatings on Ti6Al4V plates**

AVCI M., YILMAZ B., TEZCANER A., EVİS Z.

CERAMICS INTERNATIONAL, vol.43, pp.9431-9436, 2017 (Journal Indexed in SCI)

● **Native extracellular matrix/fibroin hydrogels for adipose tissue engineering with enhanced vascularization**

Kayabolen A., Keskin D., Aykan A., Karşlioglu Y., Zor F., Tezcaner A.

BIOMEDICAL MATERIALS, vol.12, 2017 (Journal Indexed in SCI)

● **Maltodextrin modified liposomes for drug delivery through the blood-brain barrier**

GURTURK Z., TEZCANER A., DALGIÇ A. D. , KORKMAZ S., KESKİN D.

MEDCHEMCOMM, vol.8, pp.1337-1345, 2017 (Journal Indexed in SCI)

● **Clinoptilolite/PCL-PEG-PCL composite scaffolds for bone tissue engineering applications**

Pazarçeviren E., Erdemli O., Keskin D., Tezcaner A.

JOURNAL OF BIOMATERIALS APPLICATIONS, vol.31, pp.1148-1168, 2017 (Journal Indexed in SCI)

● **Micelles As Delivery System for Cancer Treatment**

Keskin D., Tezcaner A.

CURRENT PHARMACEUTICAL DESIGN, vol.23, pp.5230-5241, 2017 (Journal Indexed in SCI)

● **Half generations magnetic PAMAM dendrimers as an effective system for targeted gemcitabine delivery**

PARSIAN M., MUTLU P., Yalçin S., TEZCANER A., GÜNDÜZ U.

INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.515, pp.104-113, 2016 (Journal Indexed in SCI)

● **Mechanical, electrochemical and biocompatibility evaluation of AZ91D magnesium alloy as a biomaterial**

Tahmasebifar A., KAYHAN S. M. , EVİS Z., TEZCANER A., Cinici H., Koc M.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.687, pp.906-919, 2016 (Journal Indexed in SCI)

● **Crosslinked pullulan/cellulose acetate fibrous scaffolds for bone tissue engineering**

Atila D., KESKİN D., TEZCANER A.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.69, pp.1103-1115, 2016 (Journal Indexed in SCI)

● **Surface Characterization and Biocompatibility of Selenium-Doped Hydroxyapatite Coating on Titanium Alloy**

Yilmaz B., EVİS Z., TEZCANER A., BANERJEE S.

INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.13, pp.1059-1068, 2016 (Journal Indexed in SCI)

● **Structural, mechanical and biological properties of hydroxyapatite-zirconia-lanthanum oxide composites**

Khoshsima S., Yilmaz B., TEZCANER A., EVİS Z.

CERAMICS INTERNATIONAL, vol.42, pp.15773-15779, 2016 (Journal Indexed in SCI)

● **Raloxifene-/raloxifene-poly(ethylene glycol) conjugate-loaded microspheres: A novel strategy for drug delivery to bone forming cells**

Kavas A., Keskin D., Altunbas K., Tezcaner A.

INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.510, pp.168-183, 2016 (Journal Indexed in SCI)

● **Loading of Gemcitabine on chitosan magnetic nanoparticles increases the anti-cancer efficacy of the drug**

PARSIAN M., UNSOY G., MUTLU P., Yalcin S., TEZCANER A., GÜNDÜZ U.

EUROPEAN JOURNAL OF PHARMACOLOGY, vol.784, pp.121-128, 2016 (Journal Indexed in SCI)

● **Pullulan microcarriers for bone tissue regeneration**

Aydogdu H., Keskin D., Baran E. T. , Tezcaner A.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.63, pp.439-449, 2016 (Journal Indexed in SCI)

● **Experimental and numerical investigations for mechanical and microstructural characterization of micro-manufactured AZ91D magnesium alloy disks for biomedical applications**

Kayhan S. M. , TAHMASEBİFAR A., KOÇ M., Usta Y., TEZCANER A., EVİS Z.

MATERIALS & DESIGN, vol.93, pp.397-408, 2016 (Journal Indexed in SCI)

● **Nanoparticles Based on Plasma Proteins for Drug Delivery Applications**

Tezcaner A., Baran E. T. , Keskin D.

CURRENT PHARMACEUTICAL DESIGN, vol.22, pp.3445-3454, 2016 (Journal Indexed in SCI)

● **Mesoporous strontium doped nano sized sulphate hydroxyapatite as a novel biomaterial for bone tissue applications**

Alshemary A. Z. , PAZARÇEVİREN A. E. , TEZCANER A., EVİS Z.

RSC ADVANCES, vol.6, pp.68058-68071, 2016 (Journal Indexed in SCI)

● **Improvement of a liposomal formulation with a native molecule: calcitriol**

DALGIÇ A. D. , TEZCANER A., ELÇİ P., SARPER M., ARPACI F., AVCU F., KESKİN D.

RSC ADVANCES, vol.6, pp.80158-80167, 2016 (Journal Indexed in SCI)

● **Surface Characterization and Biocompatibility of SeleniumDoped Hydroxyapatite Coating on Titanium Alloy**

YILMAZ B., TEZCANER A., EVİS Z., BANERJEE S.

Ceramics International, 2016 (Journal Indexed in SCI)

● **Cellulose acetate based 3-dimensional electrospun scaffolds for skin tissue engineering applications**

Atila D., Keskin D., Tezcaner A.

CARBOHYDRATE POLYMERS, vol.133, pp.251-261, 2015 (Journal Indexed in SCI)

● **In vitro and in vivo evaluation of doxycycline-chondroitin sulfate/PCLmicrospheres for intraarticular treatment of osteoarthritis**

AYDIN O., KORKUSUZ F., KORKUSUZ P., TEZCANER A., BİLGİÇ E., Yaprakci V., KESKİN D.

JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.103, pp.1238-1248, 2015 (Journal Indexed in SCI)

● **Study on physiochemical structure and in vitro release behaviors of doxycycline-loaded PCL microspheres**

AYDIN O., AYDIN B., TEZCANER A., KESKİN D.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.132, 2015 (Journal Indexed in SCI)

- **Influence of excipients on characteristics and release profiles of poly(epsilon-caprolactone) microspheres containing immunoglobulin G**
Erdemli O., Keskin D., Tezcaner A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.48, pp.391-399, 2015 (Journal Indexed in SCI)
- **Epidermal growth factor receptor-targeted immunoliposomes for delivery of celecoxib to cancer cells**
LIMASALE Y. D. P. , TEZCANER A., ÖZEN C., KESKİN D., BANERJEE S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.479, pp.364-373, 2015 (Journal Indexed in SCI)
- **Synthesis and characterization of nanosized calcium phosphates by flame spray pyrolysis, and their effect on osteogenic differentiation of stem cells**
Ataol S., Tezcaner A., Duygulu O., Keskin D., Machin N. E.
JOURNAL OF NANOPARTICLE RESEARCH, vol.17, 2015 (Journal Indexed in SCI)
- **In vitro evaluation of effects of sustained anti-TNF release from MPEG-PCL-MPEG and PCL microspheres on human rheumatoid arthritis synoviocytes**
Erdemli O., Özen S., Keskin D., Usanmaz A., Batu E. D. , Atilla B., Tezcaner A.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.29, pp.524-542, 2014 (Journal Indexed in SCI)
- **Co-doping of hydroxyapatite with zinc and fluoride improves mechanical and biological properties of hydroxyapatite**
Uysal I., Severcan F., TEZCANER A., EVİS Z.
PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL, vol.24, pp.340-349, 2014 (Journal Indexed in SCI)
- **Characterization and Evaluation of Triamcinolone, Raloxifene, and Their Dual-Loaded Microspheres as Prospective Local Treatment System in Rheumatic Rat Joints**
Ocal Y., Kurum B., Karahan S., TEZCANER A., ÖZEN S., KESKİN D.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.103, pp.2396-2405, 2014 (Journal Indexed in SCI)
- **Characteristics and release profiles of MPEG-PCL-MPEG microspheres containing immunoglobulin G**
Erdemli O., Usanmaz A., Keskin D., Tezcaner A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.117, pp.487-496, 2014 (Journal Indexed in SCI)
- **Double entrapment of growth factors by nanoparticles loaded into polyelectrolyte multilayer films**
Vrana N. E. , ERDEMLİ Ö., FRANCIUS G., FAHS A., Rabineau M., DEBRY C., TEZCANER A., KESKİN D., Lavalle P.
JOURNAL OF MATERIALS CHEMISTRY B, vol.2, pp.999-1008, 2014 (Journal Indexed in SCI)
- **In vitro/in vivo comparison of cefuroxime release from poly(epsilon-caprolactone)-calcium sulfate implants for osteomyelitis treatment**
Yaprakci V., Erdemli O., Kayabolen A., TEZCANER A., Bozkurt F., KESKİN D.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.60, pp.603-616, 2013 (Journal Indexed in SCI)
- **In Vitro Characterization of a Liposomal Formulation of Celecoxib Containing 1,2-Distearoyl-sn-Glycero-3-Phosphocholine, Cholesterol, and Polyethylene Glycol and its Functional Effects Against Colorectal Cancer Cell Lines**
ERDOĞ A., Limasale Y. D. P. , KESKİN D., TEZCANER A., BANERJEE S.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.102, pp.3666-3677, 2013 (Journal Indexed in SCI)
- **Potential of Raloxifene in reversing osteoarthritis-like alterations in rat chondrocytes: An in vitro model study**
Kavas A., Cagatay S. T. , Banerjee S., Keskin D., Tezcaner A.
JOURNAL OF BIOSCIENCES, vol.38, pp.135-147, 2013 (Journal Indexed in SCI)
- **Nano-sized liposomes for delivery of Celecoxib**
Erdog A., TEZCANER A., KESKİN D., BANERJEE S.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- **Modifying the course of degenerative joint arthritis by mesenchymal stem cell containing injectable alginate/hyaluronan microspheres**
Gol N., KORKUSUZ P., Uckan D., TEZCANER A., KESKİN D., Korkusuz F.
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)

- **Evaluation of release properties of protein loaded microspheres**
Erdemli O., Keskin D., Ozen S., Tezcaner A.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.326, 2012 (Journal Indexed in SCI)
- **Combinational effects of BMP9, Raloxifene and Pluronic F-68 on OA-like chondrocytes**
Kavas A., Ozdemir M., Erdemli O., Gurses S., Keskin D., Tezcaner A.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.73, 2012 (Journal Indexed in SCI)
- **Characteristics and release profiles of PEG-PCL-PEG microspheres containing immunoglobulin G**
Erdemli O., Usanmaz A., Keskin D., Tezcaner A.
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.326, 2012 (Journal Indexed in SCI)
- **In vitro investigation and biomechanical modeling of the effects of PLF-68 on osteoarthritis in a three-dimensional model**
Kavas A., Ozdemir M., Gürses S., Keskin D., Tezcaner A.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, vol.10, pp.641-650, 2011 (Journal Indexed in SCI)
- **Evaluation of sericin/collagen membranes as prospective wound dressing biomaterial**
AKTÜRK O., TEZCANER A., BİLGİLİ H., Deveci M. S., Gecit M. R., KESKİN D.
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, vol.112, pp.279-288, 2011 (Journal Indexed in SCI)
- **Synthesis, phase transitions and cellular biocompatibility of nanophase alumina-hydroxyapatite composites**
BAŞAR B., TEZCANER A., KESKİN D., EVİS Z.
ADVANCES IN APPLIED CERAMICS, vol.110, pp.238-243, 2011 (Journal Indexed in SCI)
- **Microstructure, microhardness, and biocompatibility characteristics of yttrium hydroxyapatite doped with fluoride**
Toker S. M., TEZCANER A., EVİS Z.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, pp.207-217, 2011 (Journal Indexed in SCI)
- **Celecoxib-loaded liposomes: effect of cholesterol on encapsulation and in vitro release characteristics**
DENİZ A., Sade A., Severcan F., KESKİN D., TEZCANER A., BANERJEE S.
BIOSCIENCE REPORTS, vol.30, pp.365-373, 2010 (Journal Indexed in SCI)
- **Improvements in microstructural, mechanical, and biocompatibility properties of nano-sized hydroxyapatites doped with yttrium and fluoride**
BAŞAR B., TEZCANER A., KESKİN D., EVİS Z.
CERAMICS INTERNATIONAL, vol.36, pp.1633-1643, 2010 (Journal Indexed in SCI)
- **In vitro and in vivo evaluation of the effects of demineralized bone matrix or calcium sulfate addition to polycaprolactone-bioglass composites**
ERDEMLİ Ö., Captug O., Bilgili H., ORHAN D., TEZCANER A., KESKİN D.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.21, pp.295-308, 2010 (Journal Indexed in SCI)
- **Adipocyte differentiation defect in mesenchymal stromal cells of patients with malignant infantile osteopetrosis**
ÇETİNKAYA F. D., KILIÇ E., Sharafi P., Kazik M., EREN KAYA F., ERDEMLİ E., CAN A., TEZCANER A., Kocaepe C.
CYTOTHERAPY, vol.11, pp.392-402, 2009 (Journal Indexed in SCI)
- **In vitro characterization of micropatterned PLGA-PHBV8 blend films as temporary scaffolds for photoreceptor cells**
Tezcaner A., Hicks D.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, pp.170-181, 2008 (Journal Indexed in SCI)
- **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, pp.399-410, 2008 (Journal Indexed in SCI)
- **Cornea engineering on polyester carriers**
Zorlutuna P., Tezcaner A., Kiyat I., Aydinli A., Hasirci V.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, pp.104-113, 2006 (Journal Indexed in SCI)

- **Polyelectrolyte multilayer films as substrates for photoreceptor cells**
Tezcaner A., HICKS D., Boulmedais F., SAHEL J., SCHAAF P., VOEGEL J. C. , LAVALLE P.
BIOMACROMOLECULES, vol.7, pp.86-94, 2006 (Journal Indexed in SCI)
- **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, pp.4023-4034, 2005 (Journal Indexed in SCI)
- **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, pp.1285-1289, 2003 (Journal Indexed in SCI)
- **Retinal pigment epithelium cell culture on surface modified poly(hydroxybutyrate-co-hydroxyvalerate) thin films**
TEZCANER A., Bugra K., HASIRCI V. N.
Biomaterials, vol.24, pp.4573-4583, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Strontium and fluorine co-doped biphasic calcium phosphate: characterization and in vitro cytocompatibility analysis**
Pourreza E., ALSHEMARY A. Z. G. , Yilmaz B., Rad R. M. , TEZCANER A., EVİS Z.
BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol.3, 2017 (Journal Indexed in ESCI)

Books & Book Chapters

- **Use of nanoscale-delivery systems in tissue/organ regeneration**
Fathi Achachelouei M., Keskin D., Tezcaner A.
in: Biomaterials for Organ and Tissue Regeneration New Technologies and Future Prospects , Nihal Engin Vrana, Helena Knopf-Marques, Julien Barthes, Editor, Elsevier Science, Oxford/Amsterdam , Massachusetts, pp.113-162, 2020
- **Immune Response to Nanoparticles**
Erdemli Ö., Tezcaner A.
in: Biomaterials and Immune Response: Complications, Mechanisms and Immunomodulation, Nihal Engin Vrana, Editor, CRC, New York , New-York, pp.17-42, 2019

Refereed Congress / Symposium Publications in Proceedings

- **Boron Doped Hydroxyapatite/Tricalcium Phosphate for Bone Tissue Engineering Applications**
Pazarçeviren A. E. , Keskin D., Tezcaner A., Topsoy Koluksa S., Evis Z.
24th International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.175
- **Melatonin Releasing Electrospun Scaffold for Bone Tissue Engineering.**
Dalgıç A. D. , Atila D., Tezcaner A., Keskin D.
24th International Biomedical Science and Technology Symposium (BIOMED 2019, İzmir, Turkey, 17 - 20 October 2019, pp.109
- **Scaffolds for Dermal and Hypodermal Tissue Engineering**
Can F., Hasirci V. N. , Tezcaner A., Ermiş Şen M.
3D Printed GelMA and HAMA Scaffolds for Dermal and Hypodermal Tissue Engineering, İzmir, Turkey, 17 - 20 October 2019, pp.155

- **Fibroin reinforced, strontium doped calcium phosphate silicate cements for bone tissue engineering applications**
Işık G., Keskin D., Evis Z., Tezcaner A.
24th International Biomedical Science and Technology Symposium (BIOMED 2019), İzmir, Turkey, 17 - 20 October 2019, pp.108
- **Research of The Potential Of PCL/HA/Akermanite and PCL/Cha/Akermanite Fibers Produced By Wet Electrospinning Method for Bone Tissue Engineering**
Altınordu G., Evis Z., Tezcaner A., Keskin D.
International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.110
- **Periodontit Tedavisi için Doksisisiklin Yüklü mPEG-b-PCL Miseller ve Vitamin E İçeren Aljinat-Jelatin Hidrojeller**
Işık G., Kızıltay A., Hasırcı N., Tezcaner A.
Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.67
- **Herni Tedavisi İçin Biyopolimer İle Modifiye Edilmiş Polipropilen Örtü**
Akbaba S., Atila D. H. , Tezcaner T., Tezcaner A., Keskin D.
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.60
- **Çift Katmanlı PCEC/Jelatin-Bizmut-Grafen Oksit Membranları ile Güdümlü Kemik Yenilenmesi**
Pazarçeviren A. E. , Evis Z., Keskin D., Tezcaner A.
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.103
- **Tendon Doku Mühendisliği Uygulamaları için Özgün 3B Hücre Taşıyıcısı.**
Güner B., Dalgıç A. D. , Tezcaner A., Keskin D.
23. Biyomedikal Bilim ve Teknoloji Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.102
- **Periodontal Doku Mühendisliği için Bor ile Modifiye Edilmiş Biyoaktif Cam İçeren İki Katmanlı Kompozit Membranlar.**
Moonesi Rad R., Atila D. H. , Evis Z., Keskin D., Tezcaner A.
23. Biyomedikal Bilim ve Teknoloji (BIOMED2018-TR) Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.100
- **Büyüme Faktörü Yüklenmiş İpek Fibroin/PEGDAM Hidrojelleriyle Artiküler Kıkırdak Doku Mühendisliği**
Fathi Achachelouei M., Vrana N. E. , Bat E., Keskin D., Tezcaner A.
23rd Biomedical Science and Technology Symposium, İstanbul, Turkey, 15 - 16 December 2018, pp.61
- **Sol-Jel Tekniğiyle Üretilen Akermanit Biyoseramiğinin Mikroyapı İncelemesi**
Altınordu G., Evis Z., Tezcaner A., Keskin D.
23. Biyomedikal Bilim ve Teknoloji (BIOMED2018-TR) Sempozyumu, İstanbul, Turkey, 15 - 16 December 2018, pp.61
- **Evaluation of boron modified bioactive glass nanoparticles incorporated nanocomposited scaffolds for dentin tissue engineering.**
Tezcaner A., Moonesı Rad R., Keskin D., Şahin S., Evis Z.
29th Annual Congress of the European Society for Biomaterials, Maastricht, Netherlands, 9 - 13 September 2018, pp.362
- **Coaxial electrospun scaffolds for dual delivery of bioagents for bone tissue engineering.**
Keskin D., Alam H., Tezcaner A., Dalgıç A. D. , Özen C.
29th Annual Congress of the European Society for Biomaterials, Maastricht, Netherlands, 9 - 13 September 2018, pp.334
- **Topical Delivery of Heparin with Polymeric Microparticles**
Akolpoğlu D., Gündüz U., Tezcaner A., Keskin D.
6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 5 - 08 September 2018, pp.93
- **Topical Delivery of Heparin with Polymeric Microparticles**
Akoğlu D., Gündüz U., Tezcaner A., Keskin D.
6th International Congress of the Molecular Biology Association of Turkey, İzmir, Turkey, 5 - 08 September 2018,

pp.93

Controlled Delivery of bFGF and TGF- β 1 via Polymeric Nanoparticles within Hybrid Hydrogels for Articular Cartilage Tissue Engineering

Achachelouei M., Vrana N. E., Bat E., Tezcaner A., Keskin D.

4. International Society for Biomedical Polymers and Polymeric Biomaterials (ISBPPB) conference, Krakow, Poland, 15 - 18 July 2018, pp.116

PHBV Based Bone Tissue Engineering Scaffolds Doped with Diatom Shells

Dalgıç A. D., Atila D. H., Karataş A., Tezcaner A., Keskin D.

4th International Society for Biomedical Polymers and Polymeric Biomaterials (ISBPPB), Krakow, Poland, 15 - 18 July 2018

4th International Conference on Biomedical Polymers & Polymeric Biomaterials (ISBPPB 2018)

Dalgıç A. D., Atila D. H., Karataş A., Tezcaner A., Keskin D.

4th International Conference on Biomedical Polymers & Polymeric Biomaterials (ISBPPB 2018), Krakow, Poland, 15 - 18 June 2018, pp.50

Pullulan Hydrogel-Immobilized Bacterial Cellulose Membranes for Wound Dressing

Atila D. H., Karataş A., Keskin D., Tezcaner A.

12th Annual Conference on Stem Cell & Regenerative Medicine & 4th Annual Conference on Biomaterials, Praha, Czech Republic, 4 - 06 June 2018, pp.55

Graphene Oxide Incorporated Silicate Doped Nano-hydroxyapatite Novel Composite for Bone Tissue Engineering

Dalgıç A. D., Alshemary A. Z. G., Tezcaner A., Keskin D., Evis Z.

4. International Society for Biomedical Polymers and Polymeric Biomaterials (ISBPPB) conference, Praha, Czech Republic, 4 - 05 June 2018, pp.116

Enhancement of mechanical properties of co-doped hydroxyapatite coatings on pre-treated Ti6Al4V
HACIOĞLU t., EVİS Z., TEZCANER A.

1st International Conference of Advanced Materials and Manufacturing Technologies, Karabük, Turkey, 25 - 27 October 2017

Polymeric Hydrogel/Micelle System as Drug Delivery and Tissue Support for Periodontal Regeneration

İSİK g., KIZILTAY A., HASIRCI N., TEZCANER A.

28th Annual Meeting of the European Society for Biomaterials, ESB 2017, atina, Greece, 4 - 08 September 2017

Synergistic Effect of Gemcitabine and Clofazimine in Co-loaded Liposomal Formulation for Multidrug Treatment Approach of Osteosarcoma

ÇALIŞKAN Y., GÜLEÇ E., GEREKÇİ S., TEZCANER A., ÖZEN C., KESKİN D.

Controlled Release Society Annual Meeting and Exposition, 16 - 19 July 2017

Development and in vitro characterization of levodopa and glutathione co-loaded liposomal formulations

GURTURK Z., TEZCANER A., DALGIÇ A. D., KORKMAZ S., KESKİN D.

22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017

Alginate-Gelatin Hydrogels Loaded with Doxycycline and Vitamin E Containing Mpeg-B-PCL Micelles for Periodontal Tissue Regeneration.

İSİK G., KIZILTAY A., HASIRCI N., TEZCANER A.

22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017

Local Delivery of Bioactive Agents for Enhanced Bone Tissue Engineering

ALAM H., DALGIÇ A. D., TEZCANER A., ÖZEN C., KESKİN D.

22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017

Evaluation of Zeolite/PCL-PEG- PCL Composite Scaffolds on Bone Regeneration in Rabbit Unicortical Tibial Defect

PAZARÇEVİREN A. E., ERDEMLİ Ö., YAPRAKCI M. V., ALTUNBAŞ K., KESKİN D., TEZCANER A.

22nd International Symposium on Biomedical Science Technology, 12 - 14 May 2017

Zeolite Containing Gelatin/Pullulan Sponges for Cartilage Tissue Engineering

ATILA D. H. , KARATAŞ A., KESKİN D., TEZCANER A.

22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017

● **Microstructure Analysis of Cu₂/SiO₄ 4- Co-doped Nanohydroxyapatite**

ÖNCÜ S., YEDEKÇİ B., ALSHEMARY A. Z. G. , TEZCANER A., KESKİN D., EVİS Z.

22nd Biomedical Science and Technology Symposium, 12 - 14 May 2017

● **Investigation of Osteogenic Potential of Silicate Hydroxyapatite Particles In Electrospun PCL Scaffold**

DALGIÇ A. D. , ALSHEMARY A. Z. G. , TEZCANER A., EVİS Z., KESKİN D.

22st International Biomedical Science and Technology Symposium, 12 - 14 May 2017

● **Evaluation of cytotoxicity effect of boron modified bioactive glass nanoparticles on human dental pulp stem cells**

MOONESİ RAD R., ALSHEMARY A. Z. G. , KESKİN D., EVİS Z., SILA Ş., TEZCANER A.

22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017

● **Pectin/Fibroin Scaffolds for Tissue Engineering Applications**

TÜRKKAN S., ATILA D. H. , AKDAĞ A., TEZCANER A.

22ND INTERNATIONAL BIOMEDICALSCIENCE TECHNOLOGY SYMPOSIUM, 12 - 14 May 2017

● **Preparation of a Nanobiocomposite Scaffold Containig Boron Modified Bioactive Glass Nanoparticles and Biopolymers of Cellulose acetate Pullulan Gelatin and Evaluation of its Application in Dentin Tissue Engineering**

RAD MOONESİ R., KESKİN D., EVİS Z., ERDOĞAN E., ŞAHİN S., TEZCANER A.

International Conference on Polymer Science and Engineering, 22 - 24 August 2016

● **Development of Doxorubicin Loaded Immunoliposomes and Investigation of In Vitro Cytotoxicity on B Lymphoma Cells**

DALGIÇ A. D. , TEZCANER A., ELÇİ P., SARPER M., ARPACI F., AVCU F., KESKİN D.

21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015

● **Bacterial Cellulose Based Scaffolds for Bone Tissue Engineering**

ATILA D. H. , KARATAŞ A., KESKİN D., TEZCANER A.

21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015

● **In vitro Characterization of Clinoptilolite poly caprolactone poly ethylene glycol poly caprolactone Based Bone Tissue Scaffolds**

PAZARÇEVİREN A. E. , KESKİN D., ERDEMLİ Ö., TEZCANER A.

21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015, pp.97

● **Boron Modified Nano Bioactive Glass Incorporated Polymeric Microspheres for Hard Tissue Engineering**

MOONESİ RAD R., GÜLDİKEN M., KESKİN D., EVİS Z., ŞAHİN S., TEZCANER A.

21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015

● **Development of Injectable Cell Carrier Systems for Bone Tissue Engineering**

AYDOĞDU KAYADELEN H., KESKİN D., BARAN E. T. , TEZCANER A.

21st Biomaterials Science and Technology Symposium, 22 - 24 October 2015

● **Development of Calcitriol Doxorubicin Co loaded Liposomes**

DALGIÇ A. D. , TEZCANER A., ELÇİ P., SARPER M., ARPACI F., AVCU F., KESKİN D.

21st Biomaterials Science and Technology, 22 - 24 October 2015

● **Asymmetric bi layer composite membrane containing Boron modified nano bioactive glass for guided bone regeneration**

MOONESİ REZA R., ATILA D. H. , KESKİN D., EVİS Z., TEZCANER A.

4th International Conference and Exhibition on Materials Science and Engineering, 14 - 16 September 2015, vol.4, pp.4

● **Modified Citrus Pectin and Silk Fibroin Based Scaffolds for Bone Tissue Engineering Applications**
SİBEL A., KESKİN D., AKDAĞ A., TEZCANER A.

27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015, pp.653

● **Fabrication and Characterization of Clinoptilolite PCL PEG PCL Composite Scaffolds for Bone Tissue Engineering**

PAZARÇEVİREN A. E. , ERDEMLİ Ö., KESKİN D., TEZCANER A.

27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015, pp.98

Biyopolimerlerin Çapraz Bağlama Reaksiyonlarına Alternatif Olarak Sunulan Klik Kimya Tepkimelerinin Biyomühendislik Uygulamalarına Yönelik Geliştirilmesi

ATAOL S., TEZCANER A., AKDAĞ A.

27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015

Development of Nano Sized CaP Silk Fibroin PCL Based Bilayer Membranes for Guided Bone Regeneration

ATAOL S., MACHİN N., PAZARÇEVİREN A. E. , KESKİN D., DUYGULU Ö., TEZCANER A.

NANO-TR2011, Turkey, 22 - 25 June 2015

Supported Projects

BANERJEE S., TEZCANER A., Project Supported by Higher Education Institutions, Cytotoxicity of freeze dried EGFR targeted immunoliposome containing celecoxib against overexpressing EGFR and COX-2 colon cancer cell lines and its stability and functional analysis after storage, 2014 - Continues

TEZCANER A., IŞIK G., Project Supported by Higher Education Institutions, MEME KANSERİNE HEDEFLİ,

ANTİKANSER İLAÇ YÜKLÜ Mpeg-B-PCL MİSELLERİNİN GELİŞTİRİLMESİ VE KARAKTERİZASYONU, 2018 - 2019

TEZCANER A., ENGİN PAZARÇEVİREN A., Project Supported by Higher Education Institutions, VASKÜLER ENDOTEL GELİŞİM FAKTÖRÜ VE KEMİK MORFOJENİK PROTEİN BMP- 7 SALAN GÖZENEKLİ PCEC/ MgFHA KOMPOZİT HÜCRE TAŞIYICI YAPILARIN GELİŞTİRİLMESİ VE PERFÜZYON BİYOREAKTÖRÜ İÇERİSİNDE

İŞLEVSELLEŞTİRİLMESİ, 2018 - 2019

TEZCANER A., HAZAL ATİLA D., Project Supported by Higher Education Institutions, DIŞ DOKU MÜHENDİSLİĞİ UYGULAMALARINA YÖNELİK BİYOAKTİF AJAN YÜKLÜ POLİMETİLMETRAKRİLAT/ İPEK FİBROİNİ TAŞIYICILAR, 2018 - 2019

KESKİN D., TEZCANER A., GÜNER M. B. , Project Supported by Higher Education Institutions, İnsan Yağ Dokusundan Ayrılmış Mezenkimal Kök Hücrelerinin Kontrollü GDF-5 Salım ile Tendon Hücrelerine Farklılaştırılması ve PCL Nanofiber Hücre İskelesiyle Birlikte Tendon Doku Mühendisliği Yönünden Değerlendirilmesi, 2018 - 2019

TEZCANER A., Vrana N. E. , KESKİN D., BAT E., FATHI ACHACHELOUEI M., Project Supported by Higher Education Institutions, Kıkırdak Doku Mühendisliğine Yönelik Kontrollü Büyüme Faktör Salım Sistemi İçeren İskele Tasarımı, 2018 - 2019

TEZCANER A., Project Supported by Higher Education Institutions, KEMİK DOKU MÜHENDİSLİĞİNE YÖNELİK ALJİNAT/JELATİN/STRONTİYUM HİDROKSİPATİT HÜCRE TAŞIYICI HİDROJEL GELİŞTİRİLMESİ, 2017 - 2017

TEZCANER A., Project Supported by Higher Education Institutions, HİDROKSİPATİT İSKELELERİN OSTEOJENİK HÜCRELERİN ÜÇ-BOYUTLU PERFÜZYON KÜLTÜRÜNE YÖNELİK YAPISAL OPTİMİZASYONU, 2017 - 2017

TEZCANER A., Project Supported by Higher Education Institutions, YARA İYİLEŞMESİ İÇİN FİBROİN İLE GÜÇLENDİRİLMİŞ POLİPROPİLEN ÖRTÜ, 2017 - 2017

TEZCANER A., Project Supported by Higher Education Institutions, DOKU MÜHENDİSLİĞİ UYGULAMALARINA YÖNELİK PULLULAN/JELATİN TEMELLİ HÜCRE TAŞIYICILAR, 2017 - 2017

TEZCANER A., IŞIK G., KIZILTAY A., Project Supported by Higher Education Institutions, Polymeric micelles embedded in membrane and hydrogel as drug delivery systems for the treatment of periodontal diseases Periodontal hastalıkların tedavisi için membran ve hidrojel içerisine gömülmüş polimerik ilaç salım sistemleri, 2016 - 2017

TEZCANER A., YAPRAKÇI V., ALTUNBAŞ K., KESKİN D., PAZARÇEVİREN A. E. , Project Supported by Higher Education Institutions, Zeolit ile Güçlendirilmiş 3 Boyutlu ve Gözenekli Hücre Taşıyıcılarının Kemik Hasarı Tedavisinde Etkinliğinin İncelenmesi, 2016 - 2017

KESKİN D., TEZCANER A., TUBITAK Project, Dentin Rejenerasyonuna Yönelik Bor ile Modifiye Edilmiş Nanobiyocam İçeren Taşıyıcılar Geliştirilmesi ve Karakterizasyonu, 2014 - 2017

KESKİN D., GUNER M. B. , TEZCANER A., Project Supported by Higher Education Institutions, Merkezkaç Kuvvetiyle

- Eğirme Yöntemi ile Kemik Doku Mühendisliği Uygulamaları için PHBV Bazlı Kompozit Fiberlerin Geliştirilmesi, 2016 - 2016
- TEZCANER A., ARSLAN Ö. C. , ÖZKAN H., KESKİN D., ATİLA D. H. , Project Supported by Higher Education Institutions, Ortopedik İmplantların Polimer Bazlı Melatonin Kaplanması ve Kırık İyileşmesi Üzerine Etkilerinin Ratlarda İncelenmesi, 2016 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- TEZCANER A., KESKİN D., Project Supported by Higher Education Institutions, Klinoptilolit /Poli ?-kaprolakton - Poli etilen glikol - Poli ?-kaprolakton (PCL-PEG-PCL) Triblok Kopolimer Temelli Hücre Taşıyıcıların Geliştirilmesi ve Karakterizasyonu, 2014 - 2015
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- TEZCANER A., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- KESKİN D., Barçın Z., TEZCANER A., Project Supported by Higher Education Institutions, Kan Beyin Bariyeri Ötesine Kontrollü Salım Sistemleri ile İlaç Taşınması, 2013 - 2014
- TEZCANER A., AKDAĞ A., ATAOL S., Machin N., KESKİN D., Project Supported by Higher Education Institutions, Kemik Hasarlarının Tedavisine Yönelik Nanohidroksiapatit ile Güçlendirilmiş Üç Boyutlu Fibroin ve Pektin Taşıyıcılarının Geliştirilmesi ve In Vitro Karakterizasyonu, 2013 - 2014
- GÜNDÜZ U., Yalçın Azarkan S., Ünsoy G., TEZCANER A., MUTLU P., Project Supported by Higher Education Institutions, Kanser Hücre Hatlarında Sirna Yüklü Manyetik Nanoparçacıklar Yoluyla Survivin İfadesinin Engellenmesi, 2012 - 2014
- TEZCANER A., Rad Moonesi Rad R., Project Supported by Higher Education Institutions, Diş Uygulamalarına Yönelik Polimer-Biyocam Nanobiokompozit Geliştirilmesi ve Karakterizasyonu, 2013 - 2013
- BANERJEE S., Kavas A., KESKİN D., TEZCANER A., Project Supported by Higher Education Institutions, Polimerik İlaç Salım Sistemleri ile Prostat Kanseri Tedavisine Yönelik Yeni Hedefleme Stratejileri Geliştirilmesi, 2013 - 2013
- TEZCANER A., AYDOĞDU H., Project Supported by Higher Education Institutions, OSTEOKONDRAL HASARLAR İÇİN AFİNİTE TEMELLİ ÜÇ BOYUTLU DOKU İSKELESİ GELİŞTİRİLMESİ, 2013 - 2013
- TEZCANER A., MOONESI RAD R., Project Supported by Higher Education Institutions, DİŞ UYGULAMALARINA YÖNELİK POLİMER-BİYOCAM NANOBİOKOMPOZİT GELİŞTİRİLMESİ VE KARAKTERİZASYONU, 2013 - 2013
- KESKİN D., TEZCANER A., DALGIÇ A. D. , Project Supported by Higher Education Institutions, Antikanser İlaç İçeren Ve Cd 20 Karşıtı Antikor İle Hedefli Lipozomal Sistemin Lösemi Ve Lenfoma Hastalıkları Tedavisinde In Vitro Etkinliğinin Araştırılması., 2012 - 2013
- TEZCANER A., ÖZEN C., GÜLDİKEN M., KESKİN D., DURUCAN C., ATAOL S., Project Supported by Higher Education Institutions, Kemik Hasarlarının Tedavisine Yönelik Simvastatin Yüklü Mikrotaşıyıcıların Geliştirilmesi Ve Karakterizasyonu, 2012 - 2013
- TEZCANER A., Project Supported by Higher Education Institutions, Osteoporoz Tedavisine Yönelik Kemik Hedefli Plga-Pcl Nanokürelerin Hazırlanması Ve Karakterizasyonu, 2011 - 2012
- TEZCANER A., Project Supported by Higher Education Institutions, Immunoglobulin G Antikoru Yüklü Fibroin

● Mikrokürelerinin Hazırlanması Ve Salm Kinetiğinin İncelenmesi, 2009 - 2010

● TEZCANER A., Project Supported by Higher Education Institutions, Osteoartritte Matriks Proteinlerinin Gen Ekspresyonuna Raloksifenin Etkisi, 2009 - 2009

Activities in Scientific Journals

● FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Committee Member, 2019 - Continues

● FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Committee Member, 2019 - Continues

Memberships / Tasks in Scientific Organizations

● MÜHENDİSLİK ARAŞTIRMA GRUBU , Executive Board Member, 2019 - Continues, Turkey

● Mühendislik Araştırma Grubu, Executive Board Member, 2019 - 2020, Turkey

● MÜHENDİSLİK ARAŞTIRMA GRUBU, Member of Advisory Board, 2019 - 2019, Turkey

Scientific Refereeing

● CARBOHYDRATE POLYMERS, SCI Journal, December 2019

● CELLULOSE, Journal Indexed in SCI-E, December 2019

● TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, December 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, October 2019

● Cellulose, Journal Indexed in SCI-E, September 2019

● TÜBA Project, Middle East Technical University, Turkey, September 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2019

● TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, July 2019

- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Middle East Technical University, Turkey, March 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, February 2019
- Technopark, TEKNOKENT, Turkey, November 2018
- TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Middle East Technical University, Turkey, October 2018
- BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Middle East Technical University, Turkey, June 2018
- BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Middle East Technical University, Turkey, June 2018
- TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, February 2018

Scientific Consultations

- BIOMETRON , Project Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Engineering Sciences, Turkey, 2019 - Continues
- BIOMETRON, Project Consultancy, Middle East Technical University, Faculty Of Engineering, Department Of Engineering Sciences, Turkey, 2019 - Continues

Invited Congress and Symposium Activities

- 20. Uluslararası Katılımlı Biyoteknoloji Kongresi, Invited Speaker, Ankara, Turkey, 2019
- Kök Hücre ve Hücreyel Tedaviler Kongresi , Invited Speaker, İstanbul, Turkey, 2019

Citations

- Total Citations (WOS): 1120
- h-index (WOS): 19