

## Doç.Dr. MURAT KAZANCI

### Kişisel Bilgiler

İş Telefonu: [+90 216 280 4030](tel:+902162804030)

İş Telefonu: [+90 216 280 4030](tel:+902162804030)

E-posta: [murat.kazanci@medeniyet.edu.tr](mailto:murat.kazanci@medeniyet.edu.tr)

Diğer E-posta: [muratkazanci.medeniyet@gmail.com](mailto:muratkazanci.medeniyet@gmail.com)

### Eğitim Bilgileri

Post Doktora, Karlsruhe Institute Of Technology, Institute Of Genetics And Interfaces, Almanya 2010 - 2011

Post Doktora, Ruprecht-Karls-Universitaet Heidelberg, Institute Of Physical Chemistry, Biophysics, Almanya 2009 - 2010

Post Doktora, St. Francis Xavier University, Faculty Of Science, Chemistry, Kanada 2008 - 2009

Post Doktora, Max-Planck Institue Of Colloids And Interfaces, Department Of Biomaterials, Almanya 2004 - 2007

Post Doktora, Hanusch Krankenhaus, Ludwig Boltzmann-Institut - Osteologie, Avusturya 2006 - 2006

Doktora, The Hebrew University Of Jerusalem, Casali Institute Of Applied Chemistry, İsrail 1998 - 2003

Yüksek Lisans, Cornell University, School Of Human Ecology, Amerika Birleşik Devletleri 1991 - 1995

Lisans, İstanbul Teknik Üniversitesi, Makina Fakültesi, Türkiye 1986 - 1990

### Araştırma Alanları

Biyomedikal Mühendisliği, Klinik Mühendisliği, Klinik Mühendisliği, Yaşam Bilimleri, Biyofizik, Biyolojik Spektroskopi, Temel Bilimler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Diğer, Universität Karlsruhe, The Institute For Biological Interfaces, The Institute For Biological Interfaces, 2011 - 2013

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Makina Fakültesi, Tekstil Mühendisliği, 1995 - 2003

### Yönetilen Tezler

KAZANCI M., Elektriksel Eğirme Yöntemiyle Üretilen Kollajen Nanofiberlerin Suya Karşı Dayanımlı Hale Getirilmesi, Yüksek Lisans, S.Kaan(Öğrenci), 2017

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

- **Observation of triple helix motif on electrospun collagen nanofibers and its effect on the physical and structural properties**

BUERCK J., Aras O., BERTINETTI L., İlhan C. A. , ERMEYDAN M. A. , SCHNEIDER R., ULRICH A. S. , Kazanci M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1151, ss.73-80, 2018

- **Production of collagen micro- and nanofibers for potential drug-carrier systems**

Aras O., Kazanci M.

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.30, ss.1013-1016, 2015

- **Solvent and temperature effects on folding of electrospun collagen nanofibers**

Kazanci M.

MATERIALS LETTERS, cilt.130, ss.223-226, 2014

- **Resemblance of Electrospun Collagen Nanofibers to Their Native Structure**

BUERCK J., HEISSLER S., GECKLE U., ARDAKANI M. F. , SCHNEIDER R., ULRICH A. S. , Kazanci M.

LANGMUIR, cilt.29, ss.1562-1572, 2013

- **In vitro observation of dynamic ordering processes in the extracellular matrix of living, adherent cells**  
DIESNER M., WELLE A., Kazanci M., KAISER P., SPATZ J., KOELSCH P.  
BIOINTERPHASES, cilt.6, ss.171-179, 2011
- **Cortical bone composition and orientation as a function of animal and tissue age in mice by Raman spectroscopy**  
GAMSJAEGER S., MASIC A., ROSCHGER P., Kazanci M., DUNLOP J. W. C. , KLAUSHOFER K., PASCHALIS E. P. , FRATZL P.  
BONE, cilt.47, ss.392-399, 2010
- **Tuning the Surface-Enhanced Raman Scattering Effect to Different Molecular Groups by Switching the Silver Colloid Solution pH**  
Kazanci M., SCHULTE J. P. , DOUGLAS C., FRATZL P., PINK D., SMITH-PALMER T.  
APPLIED SPECTROSCOPY, cilt.63, ss.214-223, 2009
- **Raman imaging of two orthogonal planes within cortical bone**  
Kazanci M., WAGNER H. D. , MANJUBALA N. I. , GUPTA H. S. , PASCHALIS E., ROSCHGER P., FRATZL P.  
BONE, cilt.41, ss.456-461, 2007
- **Bone osteonal tissues by Raman spectral mapping: Orientation-composition**  
Kazanci M., ROSCHGER P., PASCHALIS E. P. , KLAUSHOFER K., FRATZL P.  
JOURNAL OF STRUCTURAL BIOLOGY, cilt.156, ss.489-496, 2006
- **Complementary information on in vitro conversion of amorphous (precursor) calcium phosphate to hydroxyapatite from raman microspectroscopy and wide-angle X-ray scattering**  
Kazanci M., FRATZL P., KLAUSHOFER K., PASCHALIS E. P.  
CALCIFIED TISSUE INTERNATIONAL, cilt.79, ss.354-359, 2006
- **Micromechanical properties of biological silica in skeletons of deep-sea sponges**  
WOESZ A., WEAVER J. C. , Kazanci M., DAUPHIN Y., AIZENBERG J., MORSE D. E. , FRATZL P.  
JOURNAL OF MATERIALS RESEARCH, cilt.21, ss.2068-2078, 2006
- **Preparation and characterization of Bombyx mori silk fibroin and wool keratin**  
IRIDAG Y., Kazanci M.  
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.100, ss.4260-4264, 2006
- **Flow behavior of regenerated wool-keratin proteins in different mediums**  
ALEMDAR A., IRIDAG Y., Kazanci M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.35, ss.151-153, 2005
- **Carbon fiber reinforced microcomposites in two different epoxies**  
Kazanci M.  
POLYMER TESTING, cilt.23, ss.747-753, 2004
- **A review of polymeric smart materials for biomedical applications**  
Kazanci M.  
MATERIALS TECHNOLOGY, cilt.18, ss.87-93, 2003
- **Creep and wear behaviour of ethylene-butene copolymers reinforced by ultra-high molecular weight polyethylene fibres**  
JACOBS O., Kazanci M., COHN D., MAROM G.  
WEAR, cilt.253, ss.618-625, 2002
- **Surface oxidation of polyethylene fiber reinforced polyolefin biomedical composites and its effect on cell attachment**  
Kazanci M., COHN D., MAROM G., BEN-BASSAT H.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, cilt.13, ss.465-468, 2002
- **Fatigue characterization of polyethylene fiber reinforced polyolefin biomedical composites**  
Kazanci M., COHN D., MAROM G., MIGLIARESI C., PEGORETTI A.  
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, cilt.33, ss.453-458, 2002
- **The effect of matrix stiffness on the creep-rupture lifetime of carbon fiber/epoxy composites**  
Kazanci M., SCHWARTZ P., PHOENIX S.  
COMPOSITE STRUCTURES, cilt.54, ss.221-223, 2001
- **Air oxidation of benzene to biphenyl - A dual catalytic approach**  
MUKHOPADHYAY S., ROTHENBERG G., LANDO G., AGBARIA K., Kazanci M., SASSON Y.

ADVANCED SYNTHESIS & CATALYSIS, cilt.343, ss.455-459, 2001

- **The effect of transcrytalline interface on the mechanical properties of polyethylene/polyethylene composites**

LEVITUS D., KENIG S., Kazanci M., HAREL H., MAROM G.

ADVANCED COMPOSITES LETTERS, cilt.10, ss.61-65, 2001

- **Elastic and viscoelastic behavior of filament wound polyethylene fiber reinforced polyolefin composites**

Kazanci M., COHN D., MAROM G.

JOURNAL OF MATERIALS SCIENCE, cilt.36, ss.2845-2850, 2001

## Diğer Dergilerde Yayınlanan Makaleler

- **Production of Collagen Nanofibers and Unfolding of the Structure**

Haciosmanoğlu S. K. , Buerck J., KAZANCI M.

Biological and Chemical Research, cilt.5, ss.41-47, 2018

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Production of Organic Nanoparticles by Using Nanoporous Membranes**

Tuz A. A. , Simsek A. K. , Kazanci M.

6th Congress and Exhibition on International Advances in Applied Physics and Materials Science (APMAS), İstanbul, Türkiye, 1 - 03 Haziran 2016, cilt.1809

- **Raman spectral mapping of bone osteonal tissues**

Kazanci M., ROSCHGER P., PASCHALIS E. P. , KLAUSHOFER K., FRATZL P.

International Conference on Progress in Bone and Mineral Research 2006, Vienna, Avusturya, 16 - 18 Kasım 2006, cilt.39

## Desteklenen Projeler

Can E., KEÇECİ K., KAZANCI M., Yükseköğretim Kurumları Destekli Proje, Mühendislik ve Doğa Bilimleri Fakültesi Biomedikal Mühendisliği Bölümü Eğitim Altyapısının Oluşturulması için İhtiyaçların Temini, 2017 - 2018

## Atıflar

Toplam Atıf Sayısı (WOS):619

h-indeksi (WOS):12