

## Assoc. Prof. CEM BAYRAM

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: D-7403-2013

ScopusID: 24334063400

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### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp, Turkey 2007 - 2013

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2005 - 2007

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya, Turkey 2000 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Ortopedik implantların nanoteknolojik yaklaşımlarla fonksiyonelleştirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp (Dr), 2013

Postgraduate, Improvement of biocompatibility of the cardiovascular system stents by modification, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2007

### Research Areas

Material science and engineering, Biomaterials, Life Sciences, Biomolecules, Biotechnology, Biomaterial, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Bilimleri Enstitüsü, Nanoteknoloji ve Nanotıp A.B.D., 2019 - Continues

Expert, Hacettepe University, Rektörlük-B, İLERİ TEKNOLOJİLER UYGULAMA VE ARAŞTIRMA MERKEZİ, 2014 - 2019

Research Assistant, Aksaray University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2014

Research Assistant, Hacettepe University, Fen Bilimleri Enstitüsü, Nanoteknoloji ve Nanotıp A.B.D., 2009 - 2014

Research Assistant, Aksaray University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2009

## Courses

NANOPARTİKÜLLER ve BİYOMEDİKAL UYGULAMALARI, Postgraduate, 2020 - 2021, 2019 - 2020

BİYOPOLİMER BAZLI NANOKOMPOZİTLER, Doctorate, 2020 - 2021, 2019 - 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Biomedical Efficacy of Garlic-Extract-Loaded Core-Sheath Plasters for Natural Antimicrobial Wound Care**  
Majd H., GÜLTEKİNOĞLU BAYRAM M., BAYRAM C., KARAOSMANOĞLU B., Taşkıran E. Z., KART D., Erol Ö. D., Harker A., Edirisinghe M.  
Macromolecular Materials and Engineering, 2024 (SCI-Expanded)
- II. **Effects of Heteroatom Doping and Physicochemical Character on the Electrochemical Properties of Graphene Sheets**  
Doğan M. Z., GÖKCEN D., BAYRAM C.  
ChemNanoMat, vol.9, no.12, 2023 (SCI-Expanded)
- III. **Pressure-Spun Fibrous Surgical Sutures for Localized Antibacterial Delivery: Development, Characterization, and In Vitro Evaluation**  
Altun E., BAYRAM C., GÜLTEKİNOĞLU BAYRAM M., Matharu R., Delbusso A., Homer-Vanniasinkam S., Edirisinghe M.  
ACS applied materials & interfaces, vol.15, no.39, pp.45561-45573, 2023 (SCI-Expanded)
- IV. **Carboxymethyl chitosan-glycerol multi-aldehyde based self-healing hydrogel system**  
BAYRAM C.  
International Journal of Biological Macromolecules, vol.239, 2023 (SCI-Expanded)
- V. **Electrostatic Repulsive Features of Free-Standing Titanium Dioxide Nanotube-Based Membranes in Biofiltration Applications**  
KILIÇARSLAN B., ŞARDAN EKİZ M., BAYRAM C.  
Langmuir, vol.39, no.9, pp.3400-3410, 2023 (SCI-Expanded)
- VI. **Adsorption behavior of serum proteins on anodized titanium is driven by surface nanomorphology**  
Akdoğan E., Tolga Şirin H., Öztatlı H., KILIÇARSLAN B., BAYRAM C., Garipcan B.  
Biointerphases, vol.18, no.6, 2022 (SCI-Expanded)
- VII. **Generating Lifetime-Enhanced Microbubbles by Decorating Shells with Silicon Quantum Nano-Dots Using a 3-Series T-Junction Microfluidic Device**  
Wu B., Luo C. J., Palaniappan A., Jiang X., Gultekinoglu M., Ulubayram K., Bayram C., Harker A., Shirahata N., Khan A. H., et al.  
LANGMUIR, vol.38, no.36, pp.10917-10933, 2022 (SCI-Expanded)
- VIII. **Sustainable Macromolecular Materials in Flexible Electronics**  
Kilicarslan B., Bozyel I., Gokcen D., BAYRAM C.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.307, no.6, 2022 (SCI-Expanded)
- IX. **Facile One-Pot Method for All Aqueous Green Formation of Biocompatible Silk Fibroin-Poly(Ethylene Oxide) Fibers for Use in Tissue Engineering**  
Heseltine P. L., BAYRAM C., GÜLTEKİNOĞLU BAYRAM M., Homer-Vanniasinkam S., ULUBAYRAM K., Edirisinghe M.  
ACS BIOMATERIALS SCIENCE & ENGINEERING, vol.8, no.3, pp.1290-1300, 2022 (SCI-Expanded)
- X. **Co-Axial Gyro-Spinning of PCL/PVA/HA Core-Sheath Fibrous Scaffolds for Bone Tissue Engineering**  
Mahalingam S., BAYRAM C., GÜLTEKİNOĞLU BAYRAM M., ULUBAYRAM K., Homer-Vanniasinkam S., Edirisinghe M.  
MACROMOLECULAR BIOSCIENCE, vol.21, no.10, 2021 (SCI-Expanded)
- XI. **Dual delivery of platelet-derived growth factor and bone morphogenetic factor-6 on titanium surface to enhance the early period of implant osseointegration**  
KEÇELİ H. G., BAYRAM C., Celik E., Ercan N., DEMİRBİLEK M., NOHUTCU R. M.  
JOURNAL OF PERIODONTAL RESEARCH, vol.55, no.5, pp.694-704, 2020 (SCI-Expanded)
- XII. **Effectiveness of Oil-Layered Albumin Microbubbles Produced Using Microfluidic T-Junctions in**

### **Series for In Vitro Inhibition of Tumor Cells**

Khan A. H., Jiang X., Surwase S., GÜLTEKİNOĞLU BAYRAM M., BAYRAM C., Sathisaran I., Bhatia D., Ahmed J., Wu B., ULUBAYRAM K., et al.

LANGMUIR, vol.36, no.39, pp.11429-11441, 2020 (SCI-Expanded)

- XIII. **Magnetically Responsive, Sorafenib Loaded Alginate Microspheres for Hepatocellular Carcinoma Treatment**  
Alpdemir Ş., Vural T., Kara G., Bayram C., Haberal E., Denkbaş E. B.  
Iet Nanobiotechnology, no.8, pp.1-8, 2020 (SCI-Expanded)
- XIV. **Self-assembled micro-stripe patterning of sessile polymeric nanofluid droplets**  
Gultekinoglu M., Jiang X., BAYRAM C., Wu H., ULUBAYRAM K., Edirisinghe M.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.561, pp.470-480, 2020 (SCI-Expanded)
- XV. **Biofabrication of Gelatin Tissue Scaffolds with Uniform Pore Size via Microbubble Assembly**  
BAYRAM C., Jiang X., Gultekinoglu M., ÖZTÜRK Ş., ULUBAYRAM K., Edirisinghe M.  
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.304, no.11, 2019 (SCI-Expanded)
- XVI. **Gel network comprising UV crosslinked PLGA-b-PEG-MA nanoparticles for ibuprofen topical delivery**  
EROĞLU İ., Gultekinoglu M., BAYRAM C., Erikci A., Ciftci S. Y., AKSOY E. A., ULUBAYRAM K.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.24, no.9, pp.1144-1154, 2019 (SCI-Expanded)
- XVII. **Chondrogenesis of human mesenchymal stem cells by microRNA loaded triple polysaccharide nanoparticle system**  
Celik E., BAYRAM C., Denkbas E. B.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.102, pp.756-763, 2019 (SCI-Expanded)
- XVIII. **Porous polyurethane film fabricated via the breath figure approach for sustained drug release**  
Daban G., BAYRAM C., Bozdogan B., DENKBAŞ E. B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.25, 2019 (SCI-Expanded)
- XIX. **Honeycomb-like PLGA-?-PEG Structure Creation with T-Junction Microdroplets**  
GÜLTEKİNOĞLU M., Jiang X., BAYRAM C., ULUBAYRAM K., Edirisinghe M.  
LANGMUIR, vol.34, no.27, pp.7989-7997, 2018 (SCI-Expanded)
- XX. **Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen**  
KIZILTAN D., VURAL T., BAYRAM C., OZTURK S., BOZDOGAN B., YAMAN Y. T., ABACI S., DENKBAŞ E. B.  
ANALYTICAL SCIENCES, vol.34, no.7, pp.789-794, 2018 (SCI-Expanded)
- XXI. **Dual release behavior of atorvastatin and alpha-lipoic acid from PLGA microspheres for the combination therapy in peripheral nerve injury**  
EROĞLU H., Haidar M. K., NEMUTLU E., ÖZTÜRK Ş., BAYRAM C., ULUBAYRAM K., ÖNER L.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.39, pp.455-466, 2017 (SCI-Expanded)
- XXII. **The effect of thymoquinone coating on adhesive properties of polypropylene mesh**  
Aydin O., Aydinuraz K., Agalar F., Sahiner I. T., Agalar C., BAYRAM C., DENKBAŞ E. B., Atasoy P.  
BMC SURGERY, vol.17, 2017 (SCI-Expanded)
- XXIII. **The effect of calcium chloride concentration on alginate/Fmoc-diphenylalanine hydrogel networks**  
ÇELİK E., BAYRAM C., Akcapinar R., Turk M., DENKBAŞ E. B.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.66, pp.221-229, 2016 (SCI-Expanded)
- XXIV. **Calcified and mechanically debilitated three-dimensional hydrogel environment induces hypertrophic trend in chondrocytes**  
Celik E., BAYRAM C., Akcapinar R., Turk M., DENKBAŞ E. B.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.31, no.5, pp.498-512, 2016 (SCI-Expanded)
- XXV. **Magnetically based nanocarriers in drug delivery**  
DENKBAŞ E. B., ÇELİK E., ERDAL E., Kavaz D., AKBAL VURAL Ö., KARA G., BAYRAM C.  
NANOBIOMATERIALS IN DRUG DELIVERY: APPLICATIONS OF NANOBIOMATERIALS, VOL 9, vol.9, pp.285-331, 2016 (SCI-Expanded)

- XXVI. **Tissue engineering applications and nanobiomaterials in periodontology and implant dentistry**  
KEÇELİ H. G., AKMAN A. C., BAYRAM C., NOHUTCU R. M.  
NANOBIOMATERIALS IN DENTISTRY: APPLICATIONS OF NANOBIOMATERIALS, VOL 11, pp.337-387, 2016 (SCI-Expanded)
- XXVII. **Silk fibroin/nylon-6 blend nanofilter matrix for copper removal from aqueous solution**  
yalçın e., Gedikli S., ÇABUK A., KARAHALİLOĞLU Z., DEMİRBILEK M., BAYRAM C., ŞAM M., SAĞLAM N., DENKBAŞ E. B.  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.17, no.4, pp.921-934, 2015 (SCI-Expanded)
- XXVIII. **Titania nanotubes with adjustable dimensions for drug reservoir sites and enhanced cell adhesion**  
CALISKAN N., BAYRAM C., ERDAL E., KARAHALILOGLU Z., DENKBAŞ E. B.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.35, pp.100-105, 2014 (SCI-Expanded)
- XXIX. **Osteoblast response on co-modified titanium surfaces via anodization and electrospinning**  
BAYRAM C., DEMİRBILEK M., YALCIN E., Bozkurt M., Dogan M., DENKBAŞ E. B.  
APPLIED SURFACE SCIENCE, vol.288, pp.143-148, 2014 (SCI-Expanded)
- XXX. **Electrohydrodynamic Printing of Silk Fibroin**  
BAYRAM C., Ahmad Z., DENKBAŞ E. B., Stride E., Edirisinghe M. J.  
MACROMOLECULAR RESEARCH, vol.21, no.4, pp.339-342, 2013 (SCI-Expanded)
- XXXI. **Osteoblast Activity on Anodized Titania Nanotubes: Effect of Simulated Body Fluid Soaking Time**  
BAYRAM C., DEMİRBILEK M., CALISKAN N., Demirbilek M. E., DENKBAŞ E. B.  
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.8, no.3, pp.482-490, 2012 (SCI-Expanded)
- XXXII. **Fabrication of Biomaterials via Controlled Protein Bubble Generation and Manipulation**  
Ekemen Z., Chang H., Ahmad Z., BAYRAM C., Rong Z., DENKBAŞ E. B., Stride E., Vadgama P., Edirisinghe M.  
BIOMACROMOLECULES, vol.12, no.12, pp.4291-4300, 2011 (SCI-Expanded)
- XXXIII. **Carbon nanotube-chitosan modified disposable pencil graphite electrode for Vitamin B-12 analysis**  
KURALAY F., VURAL T., BAYRAM C., DENKBAŞ E. B., ABACI S.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.87, no.1, pp.18-22, 2011 (SCI-Expanded)
- XXXIV. **Preparation and physical/electrochemical characterization of carbon nanotube-chitosan modified pencil graphite electrode**  
VURAL T., KURALAY F., BAYRAM C., ABACI S., DENKBAŞ E. B.  
APPLIED SURFACE SCIENCE, vol.257, no.2, pp.622-627, 2010 (SCI-Expanded)
- XXXV. **In vitro biocompatibility of plasma-aided surface-modified 316L stainless steel for intracoronary stents**  
BAYRAM C., Mizrak A. K., Akturk S., KURSAKLIOGLU H., IYISOY A., IFRAN A., DENKBAŞ E. B.  
BIOMEDICAL MATERIALS, vol.5, no.5, 2010 (SCI-Expanded)
- XXXVI. **Preparation and characterization of triamcinolone acetonide-loaded poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHx) microspheres**  
BAYRAM C., DENKBAŞ E. B., Kilicay E., Hazer B., ÇAKMAK H. B., NODA I.  
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.23, no.4, pp.334-347, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Alleviating the toxicity concerns of antibacterial cinnamon-polycaprolactone biomaterials for healthcare-related biomedical applications**  
Ahmed J., GÜLTEKİNOĞLU BAYRAM M., BAYRAM C., KART D., ULUBAYRAM K., Edirisinghe M.  
MEDCOMM, vol.2, no.2, pp.236-246, 2021 (ESCI)
- II. **PROLIFERATION OF MC3T3-E1 OSTEOBLASTIC CELLS AFTER SEQUENTIAL RELEASE OF PDGF AND BMP-6. AN IN VITRO STUDY**  
KEÇELİ H. G., BAYRAM C., ERCAN N., TÜRK M., ARAT E., NOHUTCU R. M.  
Clinical Dentistry and Research, vol.41, no.3, pp.95-105, 2017 (Peer-Reviewed Journal)

### III. Preparation and Characterization of Polyhydroxybutyrate Scaffolds to be Used in Tissue Engineering Applications

GÜVEN E., DEMİRBILEK M., SAĞLAM N., KARAHALİLOĞLU Z., ERDAL E., BAYRAM C., DENKBAŞ E. B.  
Hacettepe Journal of Biology and Chemistry, vol.4, pp.305-311, 2008 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **İlaç Salan Titanyum İmplantlar: Güncel Durum ve Gelecek Beklentileri**  
Bayram C.  
in: İleri Biyomalzemeler: Biyomalzeme ve Nanomalzeme Uygulamaları, Filiz Kuralay, Editor, Palme Yayın Dağıtım, Ankara, pp.221-232, 2018
- II. **Magnetically based nanocarriers in drug delivery**  
DENKBAŞ E. B., ÇELİK E., ERDAL E., KAVAZ D., AKBAL O., KARA G., BAYRAM C.  
in: Nanobiomaterials in Drug Delivery, , Editor, Elsevier, pp.285-331, 2016
- III. **CHAPTER 13: Tissue engineering applications and nanotechnology in periodontology and implant dentistry.**  
KEÇELİ H. G., BAYRAM C., AKMAN A. C., NOHUTCU R. M.  
in: Nanotechnology in Dentistry Applications of Nanobiomaterials, Grumezescu Alexander, Editor, ELSEVIER, Amsterdam, pp.337-364, 2016
- IV. **Nanotechnology in Sports Medicine**  
BAYRAM C., IŞIKLI C., DENKBAŞ E. B.  
in: Sports Injuries Prevention Diagnosis Treatment and Rehabilitation, Mahmut Nedim Doral; Jon Karlsson, Editor, Springer, pp.3195-3202, 2015
- V. **PREPARATION OF MAGNETIC CHITOSAN NANOPARTICLES FOR DIVERSE BIOMEDICAL APPLICATIONS**  
KAVAZ D., ÇIRAK T., GÜVEN E., BAYRAM C., DENKBAŞ E. B.  
in: FUNCTIONALIZED NANOSCALE MATERIALS DEVICES AND SYSTEMS, Vaseashta, A; Milhailescu, IN , Editor, SPRINGER, Dordrecht, pp.313-320, 2008
- VI. **PREPARATION OF MAGNETIC CHITOSAN NANOPARTICLES FOR DIVERSE BIOMEDICAL APPLICATIONS**  
KAVAZ D., ÇIRAK T., GÜVEN E., BAYRAM C., DENKBAŞ E. B.  
in: NATO Science for Peace and Security Series B, Vaseashta, A Milhailescu, IN, Editor, NATO Science for Peace and Security Series B-Physics and Biophysics, pp.313-320, 2008

## Refereed Congress / Symposium Publications in Proceedings

- I. **Titanyum Bazlı Nanotopografik Yüzeyle Mezenkimal Kök Hücre Modifikasyonu**  
Taşdemir N. K., Kılıçarslan B., İMREN G., KARAOSMANOĞLU B., BAYRAM C., TAŞKIRAN Z. E.  
18. Tıbbi Biyoloji ve Genetik Kongresi, 26 October 2023
- II. **SYNTHESIS AND CHARACTERIZATION OF TITANIUM DIOXIDE NANOTUBE BASED MEMBRANE SYSTEMS FOR BLOOD FILTRATION APPLICATIONS**  
Kılıçarslan B., Bayram C.  
25. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, Ankara, Turkey, 18 - 19 December 2021, pp.24
- III. **Biofabrication of Gelatin Tissue Scaffoldswith Uniform Pore Size via Microbubble Assembly,**  
Bayram C., Jiang X., Gültekinöğlü Bayram M., Öztürk Ş., Ulubayram K., Edirisinghe M.  
24. Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019, pp.77
- IV. **Microbubble generation via T-junction microfluidics as a versatile tool for the fabrication of highly uniform porous biomaterials**  
GÜLTEKİNOĞLU M., Xinyue J., BAYRAM C., ÖZTÜRK Ş., ULUBAYRAM K., Edirisinghe M.  
24th International Biomedical Science and Technology Symposium, İzmir, Turkey, 17 - 20 October 2019
- V. **Mikroakışkan Sistemler ile PLGA-b-PEG Kopolimerlerinin Gözenekli Film ve Nanopartikül Formunda**

## Desenlenmesi

GÜLTEKİNOĞLU M., Xinyue J., BAYRAM C., ULUBAYRAM K., Edirisinghe M.

23. Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018

- VI. **The Effect of Ibuprofen Loaded nanogel Formulations on Collagen Synthesis**  
EROĞLU İ., GÜLTEKİNOĞLU M., YABANOĞLU ÇİFTÇİ S., ERİKÇİ A., BAYRAM C., AKSOY E. A., ULUBAYRAM K.  
19th International Pharmaceutical Technology Symposium (IPTS), Antalya, Turkey, 17 - 19 September 2018
- VII. **Enhanced wettability and improved mineralization on zwitterionic polymer brush grafted titanium surfaces**  
Öztürk S., Gültekinoglu Bayram M., Kavaz D., Bayram C.  
4th world Termis, Kyoto, Japan, 1 September - 04 October 2018, pp.55
- VIII. **Nefes Figürü Metoduyla Gözenekli Poliüretan Biyomalzeme Geliştirilmesi**  
Daban G., BAYRAM C., DENKBAŞ E. B.  
19. ULUSAL BİYOTEKNOLOJİ KONGRESİ ULUSLARARASI KATILIMLI, Eskişehir, Turkey, 1 - 03 December 2017
- IX. **KARACIĞER KANSERİ TEŞHİS VE TEDAVİSİ İÇİN ALJİNAT BAZLI MANYETİK ALANA DUYARLI KEMOEMBOLİK AJANLARIN GELİŞTİRİLMESİ**  
ALPDEMİR Ş., KARA G., BAYRAM C., DENKBAŞ E. B.  
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 1 - 03 December 2017
- X. **Drug delivery for neuroprotection: Opportunities and challenges**  
EROĞLU H., TÜRKOĞLU Ö. F., SARGON M. F., HAİDAR M. K., DEMİRBOLAT G. M., ÖZTÜRK Ş., BAYRAM C., NEMUTLU E., ULUBAYRAM K., ÇAKIR AKTAŞ C., et al.  
3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017
- XI. **Development of multi-layered fused hydrogel structures for the complete mimicry of articular cartilage**  
ÇELİK E., BAYRAM C., DENKBAŞ E. B.  
28th European Conference on Biomaterials, Atina, Greece, 4 - 08 September 2017
- XII. **Drug delivery applications for neuroprotection: Nanoparticles, nanofibers, microparticles**  
EROĞLU H., TÜRKOĞLU Ö. F., SARGON M. F., HAİDAR M. K., DEMİRBOLAT G. M., ÖZTÜRK Ş., BAYRAM C., NEMUTLU E., ULUBAYRAM K., ÖNER L.  
3rd International Congress of the Greek Local Chapter of the Controlled Release Society, 19 - 20 June 2017
- XIII. **Fabrication of Chitosan-Gold Nanoparticle Modified Titania Nanotube Electrodes**  
Kızıltan D., VURAL T., Öztürk s., BAYRAM C., DENKBAŞ E. B.  
Global Biotechnology Congress, Boston, United States Of America, 9 - 14 June 2017
- XIV. **Formulation of Plga b peg Nanoparticles as Nanogel Networks for Dermal Drug Delivery**  
EROĞLU İ., GÜLTEKİNOĞLU M., BAYRAM C., AKSOY E. A., ULUBAYRAM K.  
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- XV. **Porous Thermoplastic Polyurethane Films by Breath Figure Approach**  
DABAN G., BAYRAM C., DEMİRBİLEK M., DENKBAŞ E. B.  
MACRO 2016 WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XVI. **Investigation of Biomolecule Release Behaviours From Titanium Surfaces with Controllable Porosity**  
BAYRAM C.  
Nanotech France 2016 International Conference and Exhibition, 1 - 03 June 2016
- XVII. **UV Crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**  
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A., ULUBAYRAM K.  
Nanotech France 2016 Conference and Exhibition, Paris, France, 1 - 03 June 2016
- XVIII. **UV crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**  
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A., ULUBAYRAM K.  
Nanotech France 2016 International Conference and Exhibition, 1 - 03 June 2016
- XIX. **UV Crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**  
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A., ULUBAYRAM K.  
2nd Edition of Nanotech France 2016 International Conference & Exhibition NANOTECH FRANCE 2016, France, 1 - 03 June 2016

- XX. **Nanoplatforms for Detection, Remediation and Protection Against Chem-Bio Warfare Nanoplatforms Against Chem-Bio Warfare**  
DENKBAŞ E. B., BAYRAM C., Kavaz D., Cirak T., DEMİR BİLEK M.  
Conference on Technological Innovations in Detection and Sensing of Chemical, Biological, Radiological, Nuclear Threats and Ecological Terrorism, Chisinau, Moldova, 6 - 17 June 2010, pp.191-203
- XXI. **Preparation and Characterization of Polyhydroxybutyrate Scaffoldsto be Used in Tissue Engineering Applications**  
GÜVEN E., SAĞLAM N., KARAHALİLOĞLU Z., ERDAL E., BAYRAM C., DEMİR BİLEK M., DENKBAŞ E. B.  
14th Biomedical Science & Technology Symposium, Muğla, Turkey, 3 - 07 May 2008
- XXII. **Preparation and Characterization of Polyhydroxybutyrate Scaffolds to be Used in Tissue Engineering Applications**  
GÜVEN E., SAĞLAM N., KARAHALİLOĞLU Z., ERDAL E., BAYRAM C., DEMİR BİLEK M., DENKBAŞ E. B.  
14th Biomedical Science & Technology Symposium, Muğla, Turkey, 3 - 07 May 2008
- XXIII. **PREPARATION OF MAGNETIC CHITOSAN NANOPARTICLES FOR DIVERSE BIOMEDICAL APPLICATIONS**  
Kavaz D., Cirak T., ÖZTÜRK E., BAYRAM C., DENKBAŞ E. B.  
NATO Advanced Study Institute on Functionalized Nanoscale Materials, Devices and Systems for Chem-Bio Sensors, Photonics and Energy Generation and Storage, Sinaia, Romania, 4 - 15 June 2007, pp.313-320
- XXIV. **Poly Lactide Nanospheres for Cancer Therapy**  
GÜVEN E., BAYRAM C., ÖZÇETİN A., KAVAZ D., ÇIRAK T., DENKBAŞ E. B.  
13th International Pharmaceutical Techniques , Hacettepe University, Antalya, 10-13 September, 2006., 10 - 13 September 2006

## Supported Projects

- ŞİMŞEK T., YILDIZ B., BAYRAM C., Project Supported by Higher Education Institutions, Yüksek Isıtma Verimine Sahip OtoKontrol Manyetik Hipertermi Özellikli Manyetik Nanomalzemelerin Sentezi Ve Karakterizasyonu 123M303 numaralı Tübitak projesine bütçe desteği, 2024 - Continues
- BAYRAM C., ÖZKUL KOÇAK C., Yakar E., Project Supported by Higher Education Institutions, Siyah Titanyum Dioksit Nanoyapıların Elektrokimyasal Metotlar ile Sentezlenmesi ve Antibakteriyel Özelliklerinin Değerlendirilmesi, 2023 - Continues
- KAYNAR M. B., BAYRAM C., Kılıçarslan B., GÖKCEN D., ÖZCAN Ş., Yakar E., Project Supported by Higher Education Institutions, Ferromanyetik Rezonans Yöntemi ile Yeni Nesil Yüksek Çözünürlüklü Hızlı Tanı ve Analiz Sistemi, 2022 - Continues
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- BAYRAM C., KARAOSMANOĞLU B., TAŞKIRAN Z. E., Kılıçarslan B., Çankırılı N. K., Project Supported by Higher Education Institutions, Titanya (TiO<sub>2</sub>) nanotüp dizilerden oluşan yüzey nanotopografisinin mezenkimal kök hücre davranışına etkisi, 2022 - 2023
- BAYRAM C., Doğan M. Z., GÖKCEN D., Project Supported by Higher Education Institutions, Katkılanmış Grafen Temelli Nanomalzemelerin Nöral Kayıt ve Uyarım Yeteneğinin Araştırılması, 2021 - 2023
- BAYRAM C., Kılıçarslan B., Project Supported by Higher Education Institutions, Kan Filtrasyon Uygulamaları İçin Titanyum Dioksit Nanotüp Tabanlı Membran Sistemlerinin Üretilmesi ve Karakterizasyonu, 2021 - 2022
- BAYRAM C., KARAOSMANOĞLU B., Project Supported by Higher Education Institutions, Eş boyutta gözenekli jelatin nanohidroksiapatit doku iskelelerinin mikroakışkan biyofabrikasyonu ve dental pulpa kök hücrelerinin osteojenik farklılaşmasına etkisi, 2019 - 2021
- BAYRAM C., TUBITAK Project, Dinamik Kovalent Bağlar ile Kendi Kendini Onarma Özelliğine Sahip Hidrojellerin Sentezi, Karakterizasyonu ve Hücre Taşınım Aracı Potansiyelinin Araştırılması, 2017 - 2019
- BAYRAM C., Yaman Y. T., Öztürk S., ÇELİK E., VURAL T., Project Supported by Higher Education Institutions, Titanyum Dioksit Nanotüp Dizilerine Sahip Titanyum Yüzeylerinin Üretimi ve Elektroanalitik Biyosensör Uygulamaları, 2017 - 2019
- BAYRAM C., KAVAZ D., Öztürk S., GÜLTEKİNOĞLU M., Project Supported by Higher Education Institutions, Yüzeyden



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DENKBAŞ E. B., BAYRAM C., ÇELİK E., Project Supported by Higher Education Institutions, Kırkırdak dokusunun takliti için üç boyutlu in vitro hidrojel modellerinin geliştirilmesi, 2015 - 2016

## **Tasks In Event Organizations**

Bayram C., 24th Biomedical Science and Technology Symposium, Scientific Congress, İzmir, Turkey, Ekim 2019

## **Mobility Activity**

Bilateral Colloboration Agreement, Post Doc, University of London-University College London, England, 2017 - 2018  
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## **Metrics**

Publication: 71

Citation (WoS): 537

Citation (Scopus): 566

H-Index (WoS): 13

H-Index (Scopus): 14