

**Office Phone:** [+90 312 216 8827](tel:+903122168827)

**Email:** [elcin@ankara.edu.tr](mailto:elcin@ankara.edu.tr)

**Web:** <https://avesis.ankara.edu.tr/elcin>

#### International Researcher IDs

ORCID: 0000-0003-1037-0825

Publons / Web Of Science ResearcherID: 0-2435-2019

ScopusID: 6602822937

Yoksis Researcher ID: 10930

#### Education Information

---

- I. Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1990 - 1993
- II. Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1987 - 1990
- III. Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1981 - 1987

#### Foreign Languages

---

- I. English, C1 Advanced

#### Research Areas

---

Biomedical Engineering, Biotechnology, Biomedical Engineering, Tissue Engineering, Stem Cell Engineering, Polymer Technology, Material science and engineering, Composites, Glass Technology and Glass Ceramics, Polymeric Materials, Biomaterials, Plating, Material Characterization, Nanomaterials, Biomaterial, Biosensor, Biochemistry, Polymers and Their Applications, nanocomposites, Polymeric Materials, Medical Applications of Polymers

#### Academic Titles / Tasks

---

- I. Professor, Ankara University, Sağlık Bilimleri Enstitüsü, Disiplinlerarası Kök Hücre ve Yenileyici Tıp Anabilim Dalı, 2013 - Continues
- II. Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 2005 - Continues
- III. Professor, Ankara University, Biyoteknoloji Enstitüsü, Temel Biyoteknoloji Anabilim Dalı, 2003 - Continues
- IV. Professor, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Biyokimya) Anabilim Dalı, 1996 - Continues
- V. Associate Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 1999 - 2005
- VI. Assistant Professor, Ankara University, Fen Fakültesi, Kimya Bölümü, 1996 - 1999
- VII. Research Assistant, Ankara University, Fen Fakültesi, Kimya Bölümü, 1988 - 1996

#### Academic and Administrative Experience

---

- I. Head of Department, Ankara University, Fen Fakültesi, Kimya Bölümü, 2005 - 2017
- II. Assistant Director of the Institute, Ankara University, Kök Hücre Enstitüsü, 2010 - 2016

## Courses

---

- I. Kök Hücre Kullanım Alanları, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
- II. UZMANLIK ALAN DERSİ (BAHAR), Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007
- III. UZMANLIK ALAN DERSİ (GÜZ), Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
- IV. BİYOMALZEMELER, Postgraduate, 2023 - 2024, 2017 - 2018
- V. BIOCHEMISTRY I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VI. BİYOKİMYA LABORATUVARI (1. ÖĞRETİM), Undergraduate, 2022 - 2023, 2021 - 2022, 2014 - 2015, 2013 - 2014
- VII. BIOCHEMISTRY II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VIII. Yenileyici Tıpta Kavramlar, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013
- IX. SPECIAL SUBJECT (CA), Undergraduate, 2023 - 2024
- X. BİYOTEKNOLOJİNİN TEMELLERİ, Undergraduate, 2017 - 2018, 2016 - 2017
- XI. BİYOKİMYA LABORATUVARI, Undergraduate, 2017 - 2018, 2016 - 2017
- XII. ANALİTİK BİYOKİMYA LABORATUVARI, Undergraduate, 2016 - 2017
- XIII. ANALİTİK BİYOKİMYA LABORATUVARI (1. ÖĞRETİM), Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
- XIV. BİYOKİMYA LABORATUVARI (2. ÖĞRETİM), Undergraduate, 2014 - 2015, 2013 - 2014
- XV. BİYOTEKNOLOJİNİN TEMELLERİ (2. ÖĞRETİM), Undergraduate, 2014 - 2015, 2013 - 2014
- XVI. BİYOMALZEME, Postgraduate, 2014 - 2015, 2013 - 2014
- XVII. BİYOTEKNOLOJİNİN TEMELLERİ (1. ÖĞRETİM), Undergraduate, 2014 - 2015, 2013 - 2014
- XVIII. Doku Mühendisliği, Postgraduate, 2013 - 2014
- XIX. Analitik Biyokimya Laboratuvarı (2. Öğretim), Undergraduate, 2013 - 2014

## Advising Theses

---

- I. Elçin Y. M., Plasental kök hücrelerin makromoleküler kalabalık ortamda kondrojenik farklılaşmasının incelenmesi, Postgraduate, S.ÖZÇELİK(Student), 2023
- II. Elçin Y. M., Kök hücrelerin osteojenik farklılaşmasına elektromanyetik alanın ve seramik-kaplı manyetik nanopartiküllerin etkisinin incelenmesi, Doctorate, B.BAYRAMLI(Student), 2023
- III. Elçin Y. M., Keratin temelli nanokompozit biyomalzemelerin geliştirilmesi, Doctorate, S.SEZER(Student), 2022
- IV. Elçin Y. M., Düşük frekanslı darbeli elektromanyetik alanın mezenkimal kök hücre kültürlerine etkisinin incelenmesi, Postgraduate, A.TOPRAKKALE(Student), 2022
- V. Elçin Y. M., Doku mühendisliğine yönelik anjiogenik özellikte biyomalzeme geliştirilmesi, Postgraduate, E.AYTEKİN(Student), 2022
- VI. Elçin Y. M., Biyokompozit substratlarda kültürün mezenkimal kök hücre-kaynaklı ekstraselüler veziküllere olan etkilerinin incelenmesi, Postgraduate, N.AYŞENUR(Student), 2022
- VII. Elçin Y. M., Kemik yenilenmesine yönelik otolog bileşenli kompozit yapı iskelelerinin geliştirilmesi ve karakterizasyonu, Postgraduate, D.ARAL(Student), 2022
- VIII. Elçin Y. M., Üç-boyutlu biyobasım için yeni kompozit biyomürekkep geliştirilmesi ve karakterizasyonu, Doctorate, M.TANER(Student), 2021
- IX. Elçin Y. M., Karaciğer dokusu temelli hidrojel biyomalzeme geliştirilmesi, Postgraduate, C.ERGÜN(Student), 2021
- X. Elçin Y. M., Development and characterization of bioadhesive injectable polymeric systems for biomedical applications, Doctorate, H.ERCAN(Student), 2020
- XI. Elçin Y. M., Elektromanyetik nanokompozitlerin biyoteknoloji uygulamalarına yönelik olarak üretimi ve geliştirilmesi, Doctorate, Ö.LALEGÜL(Student), 2020

- XII. Elçin Y. M., Ranolazinin insan koroner arter endotel hücreleri üzerindeki etkisinin in-vitro şartlarda araştırılması, Postgraduate, S.ÖZTÜRK(Student), 2019
- XIII. Elçin Y. M., Comparative efficacy evaluation cell culture-derived extracellular matrix as native niche and as biomimetic component in tissue engineering scaffold, Doctorate, M.PARMAKSIZ(Student), 2018
- XIV. Elçin Y. M., Mikroyerçekim biyoreaktöründe adipoz kök hücrelerden kardiyak hücrelerin üretilmesi, Doctorate, A.DOĞAN(Student), 2017
- XV. Elçin Y. M., Köpek mezenkimal kök hücrelerinin in-vitro nörojenik farklılaştırılması ve özelliklerinin incelenmesi, Doctorate, Z.KURT(Student), 2017
- XVI. Elçin Y. M., Nano metal oksit ve karbon nanomalzemelerin sitotoksik etkilerinin in vitro ortamda araştırılması, Doctorate, Ç.DÖNMEZ(Student), 2016
- XVII. Elçin Y. M., İnsan adipoz-kökenli mezenkimal kök hücrelerin mikroyerçekimi ve yerçekimi şartlarında adipojenik farklılaşmasının karşılaştırmalı olarak incelenmesi, Postgraduate, G.ERDEM(Student), 2016
- XVIII. Elçin Y. M., Nanofibrous silk fibroin/reduced graphene oxide scaffolds for biomedical applications, Postgraduate, H.NALVURAN(Student), 2016
- XIX. Elçin Y. M., Development of osteogenic surface nanocoatings for titanium implant applications, Postgraduate, M.TANER(Student), 2016
- XX. Elçin Y. M., Sert doku onarımı için üç-boyutlu polimer-biyoseramik yapıların geliştirilmesi ve hücre kültürlerinde kullanımı, Doctorate, E.BAYKAN(Student), 2015
- XXI. Elçin Y. M., Adipoz kökenli mezenkimal kök hücre dizilerinin geliştirilmesi, immünojenotipik karakterizasyonu ve farklılaşma özelliklerinin incelenmesi, Doctorate, T.İBŞİRLİOĞLU(Student), 2015
- XXII. Elçin Y. M., Kalp dokusu kaynaklı biyomalzemelerin geliştirilmesi ve hücre kültürlerinde kullanılması, Postgraduate, H.ERCAN(Student), 2014
- XXIII. Elçin Y. M., GEN VE KÖK HÜCRE BULUŞLARININ PATENLENEBİLİRLİĞİ, Postgraduate, Ş.PAK(Student), 2014
- XXIV. Elçin Y. M., Adipoz mezenkimal kök hücrelerin damar düz kas hücrelerine farklılaştırılması ve damar doku mühendisliğinde kullanımı, Doctorate, Y.EMRE(Student), 2013
- XXV. Elçin Y. M., Trombositten zengin plazma (TZP) kaynaklı fibrin mikrokürelerin üretimi ve doku mühendisliğinde kullanımı, Postgraduate, Ö.LALEGÜL(Student), 2013
- XXVI. Elçin Y. M., Biyomalzeme kullanımına yönelik sıgır sırs deselülerizasyonu ve sıçanlarda kritik boyutlu tam kalınlık yara iyileşme modelinde etkinliğinin değerlendirilmesi, Postgraduate, M.PARMAKSIZ(Student), 2012
- XXVII. Elçin Y. M., Kıkırdak doku onarımı için hiyalüronik asit temelli yapı iskelelerinin geliştirilmesi ve hücre kültürlerinde kullanımı, Doctorate, B.DEMİRDÖGEN(Student), 2012
- XXVIII. Elçin Y. M., Yapay niş mikroçevrede doku gelişim modeli oluşturulması, Doctorate, N.EMİN(Student), 2012
- XXIX. Elçin Y. M., Sert doku onarımına yönelik makrogözenekli kollajen-hidroksiapatit matris yapıların geliştirilmesi ve hücre kültüründe kullanımı, Postgraduate, Z.AKTAŞ(Student), 2011
- XXX. Elçin Y. M., PEG ile stabilize edilmiş kollajen-kitosan hidrojellerin biyomalzeme olarak geliştirilmesi, Postgraduate, S.SEZER(Student), 2011
- XXXI. Elçin Y. M., Memeli hücrelerinin farklı substrat yüzeyler üzerine adezyonunun kuartz kristal mikrobilans sistemi ile eş-zamanlı belirlenmesi, Doctorate, Ş.ŞEKER(Student), 2011
- XXXII. Elçin Y. M., Farklı polimer membran yüzeylerde sıçan neonatal siyatik sinir hücresi çoğalması, Postgraduate, N.ÇELİK(Student), 2011
- XXXIII. Elçin Y. M., Mezenkimal kök hücrelerinin ve kompozit iskelelerin kullanımıyla kemik doku mühendisliği, Doctorate, A.KOÇ(Student), 2008
- XXXIV. Elçin Y. M., Primer sıçan karaciğer hücrelerinin hidrojel yapıli kitosan ve alginat gibi polimerlerde enkapsülasyonu ve in vitro ortamda bazı özelliklerinin incelenmesi, Doctorate, S.DURKUT(Student), 2008
- XXXV. Elçin Y. M., Sıçan kemik iliği mezenkimal kök hücrelerinin proteom incelemesi, Postgraduate, B.ÇELEBİ(Student), 2007
- XXXVI. Elçin Y. M., Elektrodöndürme tekniğiyle oluşturulan polimer nano-liflerin memeli hücresi etkileşimlerinin incelenmesi, Postgraduate, Y.EMRE(Student), 2007
- XXXVII. Elçin Y. M., HLA-G geninin 3'ut bölgesindeki 14 baz çiftlik delesyon polimorfizminin fertilizasyon üzerine etkisi, Doctorate, E.ÜNSAL(Student), 2007
- XXXVIII. Elçin Y. M., Tütün mozaik virüsünün kalıp etkisi ile biyosensör olarak kullanılabilir fulleren nanokablolunun

- hazırlanması, Postgraduate, Ç.DÖNMEZ(Student), 2007
- XXXIX. Elçin Y. M., İzole edilmiş sıçan kondrositleri ve polimerik biyomalzemelerin kullanımıyla kırıldak doku mühendisliği, Postgraduate, N.EMİN(Student), 2006
- XL. Elçin Y. M., Polimer İskeleler Üzerinde Sıçan Kondrositleriyle Kırıldak Dokusu Geliştirilmesi, Postgraduate, N.EMİN(Student), 2005
- XLI. Elçin Y. M., Sıçan pankreatik adacıklarının In vitro kültürdeki canlılığına ve glukozu cevap fonksiyonuna enkapsülasyonun ve VEGF'nin etkilerinin incelenmesi, Postgraduate, H.COŞKUN(Student), 2005
- XLII. Elçin Y. M., Piezoelektrik kuartz kristal mikrobals sistemine dayalı glikonik asit biyosensörünün geliştirilmesi, Postgraduate, Ş.ŞEKER(Student), 2005
- XLIII. Elçin Y. M., İzole edilmiş sıçan kondrositlerinin ve polimer iskeletlerin kullanımıyla kırıldak dokusu geliştirilmesi, Postgraduate, N.EMİN(Student), 2005
- XLIV. Elçin Y. M., Protein yapısındaki makromoleküllerin salımını yapabilen biyobozunur polimer mikrokürelerin geliştirilmesi ve karakterizasyonu, Postgraduate, H.COŞKUN(Student), 2005
- XLV. Elçin Y. M., Bazı polimerik malzemelerin biyoyum ve biyobozunma özelliklerinin incelenmesi, Postgraduate, A.KOÇ(Student), 2003
- XLVI. Elçin Y. M., Kitosana-Dayalı Hidrojellerin Bazı Biyotıp Uygulamalarının İncelenmesi, Postgraduate, S.DURKUT(Student), 2001

## Jury Memberships

---

- I. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2023, August, 2023
- II. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2022, UNESCO-Türkiye Milli Komisyonu, July, 2022
- III. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2020, UNESCO Türkiye Milli Komisyonu, June, 2020
- IV. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2019, UNESCO Türkiye Milli Komisyonu, June, 2019
- V. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2018, UNESCO Türkiye Milli Komisyonu, June, 2018
- VI. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2017, July, 2017
- VII. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2016, July, 2016
- VIII. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2015, July, 2015
- IX. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2014, July, 2014
- X. Award, L'ORÉAL-UNESCO Ulusal Genç Bilim Kadınlarına Destek Programı 2013, July, 2013
- XI. Award, TÜBA GEBİP Ödülleri 2013, Türkiye Bilimler Akademisi (TÜBA), May, 2013
- XII. Award, TÜBA GEBİP Ödülleri, May, 2011
- XIII. Award, TÜBA GEBİP Ödülleri, May, 2010
- XIV. Award, TÜBA GEBİP Ödülleri, May, 2009
- XV. Award, TÜBA GEBİP Ödülleri, May, 2008
- XVI. Award, TÜBA GEBİP Ödülleri, Türkiye Bilimler Akademisi, May, 2007

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

---

- I. **Albumin-capped gold nanocluster-integrated human albumin scaffolds: A traceable, xeno-free and customizable template for autogenic tissue engineering applications**  
Elçin Y. M., Şeker Ş.  
PROCESS BIOCHEMISTRY, vol.143, pp.256-265, 2024 (SCI-Expanded)
- II. **Magnetic biocomposite scaffold based on decellularized tendon ECM and MNP-deposited halloysite**

**nanotubes: physicochemical, thermal, rheological, mechanical and in vitro biological evaluations.**

Koç-Demir A., Elçin A. E., Elçin Y. M.

Biomedical materials (Bristol, England), vol.19, no.3, 2024 (SCI-Expanded)

- III. **Biomimetic mineralization of platelet lysate/oxidized dextran cryogel as a macroporous 3D composite scaffold for bone repair**  
Şeker Ş., Aral D., Elçin A. E., Elçin Y. M.  
BIOMEDICAL MATERIALS (BRISTOL, ENGLAND), vol.19, no.2, pp.1-12, 2024 (SCI-Expanded)
- IV. **Chitosan/PVA reinforced boron/strontium multi-substituted hydroxyapatite-based biocomposites: Effects of synthesis pH and coating on the physicochemical, mechanical, and in vitro biological properties of scaffolds**  
Kansız S., Vurat M. T., Parmaksız M., Elçin A. E., Elçin Y. M.  
Materials Today Chemistry, vol.35, pp.1-13, 2024 (SCI-Expanded)
- V. **Decellularized bone matrix/45S5 bioactive glass biocomposite hydrogel-based constructs with angiogenic and osteogenic properties: Ex ovo and ex vivo evaluations**  
Aytekin E., Vurat M. T., Elçin A. E., Elçin Y. M.  
MACROMOLECULAR BIOSCIENCE, vol.24, pp.1-17, 2023 (SCI-Expanded)
- VI. **Development of a micro-patterned membrane consisting of a PCL/Keratin/PEGDE ternary blend using PS $\mu$ M for potential biotechnological applications**  
Sezer S., Tüzün-Antepli B., Parmaksız M., Bayramli-Öner B., Elçin A. E., Elçin Y. M.  
Journal of Polymer Research, vol.30, no.8, 2023 (SCI-Expanded)
- VII. **Advanced liposome and polymersome-based drug delivery systems: Considerations for physicochemical properties, targeting strategies and stimuli-sensitive approaches**  
Kansız S., Elçin Y. M.  
ADVANCES IN COLLOID AND INTERFACE SCIENCE, pp.1-31, 2023 (SCI-Expanded)
- VIII. **Bioactive composite hydrogels as 3D mesenchymal stem cell encapsulation environment for bone tissue engineering: in vitro and in vivo studies.**  
Vurat M. T., Parmaksız M., Elçin A. E., Elçin Y. M.  
Journal of biomedical materials research. Part A, vol.111, no.2, pp.261-277, 2023 (SCI-Expanded)
- IX. **Evaluation of Human Osteoblasts on NIPS Micro-Patterned PCL Carriers Containing Nanohydroxyapatite and Reduced Graphene Oxide Using PS $\mu$ M**  
Tüzün-Antepli B., Şeker Ş., Elçin A. E., Khang G., Elçin Y. M.  
Molecules, vol.27, no.20, 2022 (SCI-Expanded)
- X. **Development of a multicellular 3D-bioprinted microtissue model of human periodontal ligament-alveolar bone biointerface: Towards a pre-clinical model of periodontal diseases and personalized periodontal tissue engineering**  
Vurat M. T., Şeker Ş., Lalegül Ülker Ö., Parmaksız M., Elçin A. E., Elçin Y. M.  
GENES & DISEASES, vol.9, no.4, pp.1008-1023, 2022 (SCI-Expanded)
- XI. **Fabrication and Molecular Modeling of Navette-Shaped Fullerene Nanorods Using Tobacco Mosaic Virus as a Nanotemplate**  
Gungunes C. D., Başçeken S., Elçin A. E., Elçin Y. M.  
MOLECULAR BIOTECHNOLOGY, vol.64, no.6, pp.681-692, 2022 (SCI-Expanded)
- XII. **Assessment of dopamine-conjugated decellularized bovine tendon extracellular matrix as a bioadhesive**  
Ercan H., Elçin A. E., Elçin Y. M.  
Materials Today Communications, vol.31, 2022 (SCI-Expanded)
- XIII. **Macro- and microporous polycaprolactone/duck's feet collagen scaffold fabricated by combining facile phase separation and particulate leaching techniques to enhance osteogenesis for bone tissue engineering**  
Song Y., Choi J. H., Tumursukh N., Kim N. E., Jeon G. Y., Kim S. E., Kim S. I., Song J. E., Elçin Y. M., Khang G.  
Journal of Biomaterials Science, Polymer Edition, vol.33, pp.1025-1042, 2022 (SCI-Expanded)
- XIV. **Decellularized liver ECM-based 3D scaffolds: Compositional, physical, chemical, rheological, thermal,**

**mechanical, and in vitro biological evaluations**

Ergun C., Parmaksız M., Vurat M. T., Elçin A. E., Elçin Y. M.

International Journal of Biological Macromolecules, vol.200, pp.110-123, 2022 (SCI-Expanded)

- XV. **Construction of micro-grooved PCL/nanohydroxyapatite membranes by non-solvent induced phase separation method and its evaluation for use as a substrate for human periodontal ligament fibroblasts**  
Tüzün-Antepli B., Elçin A. E., Elçin Y. M.  
Chemical Engineering Science, vol.248, 2022 (SCI-Expanded)
- XVI. **Preliminary assessment of an injectable extracellular matrix from decellularized bovine myocardial tissue**  
Ercan H., Elçin A. E., Elçin Y. M.  
Zeitschrift fur Naturforschung - Section C Journal of Biosciences, vol.76, pp.491-501, 2021 (SCI-Expanded)
- XVII. **Magneto-sensitive decellularized bone matrix with or without low frequency-pulsed electromagnetic field exposure for the healing of a critical-size bone defect**  
Parmaksız M., Lalegül Ülker Ö., Vurat M. T., Elçin A. E., Elçin Y. M.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.124, 2021 (SCI-Expanded)
- XVIII. **Therapeutic Applications of Stem Cells and Extracellular Vesicles in Emergency Care: Futuristic Perspectives**  
Ozturk S., Elçin A. E., Koca A., Elçin Y. M.  
STEM CELL REVIEWS AND REPORTS, vol.17, no.2, pp.390-410, 2021 (SCI-Expanded)
- XIX. **Magnetic and electrically conductive silica-coated iron oxide/polyaniline nanocomposites for biomedical applications**  
Lalegül Ülker Ö., Elçin Y. M.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-Expanded)
- XX. **Biomimetic 3D-Bone Tissue Model**  
Parmaksız M., Elçin A. E., Elçin Y. M.  
NEXT GENERATION CULTURE PLATFORMS FOR RELIABLE IN VITRO MODELS, vol.2273, pp.239-250, 2021 (SCI-Expanded)
- XXI. **Decellularized Cell Culture ECMs Act as Cell Differentiation Inducers**  
Parmaksız M., Elçin A. E., Elçin Y. M.  
STEM CELL REVIEWS AND REPORTS, vol.16, no.3, pp.569-584, 2020 (SCI-Expanded)
- XXII. **Mesenchymal Stem Cells for Coronavirus (COVID-19)-Induced Pneumonia: Revisiting the Paracrine Hypothesis with New Hopes?**  
Öztürk S., Elçin A. E., Elçin Y. M.  
AGING AND DISEASE, vol.11, no.3, pp.477-479, 2020 (SCI-Expanded)
- XXIII. **Macroporous elastic cryogels based on platelet lysate and oxidized dextran as tissue engineering scaffold: In vitro and in vivo evaluations**  
Seker Ş., Elçin A. E., Elçin Y. M.  
MATERIALS SCIENCE AND ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.110, 2020 (SCI-Expanded)
- XXIV. **Evaluation of the stability of standard reference genes of adipose-derived mesenchymal stem cells during in vitro proliferation and differentiation**  
Ayanoglu F. B., Elçin A. E., Elçin Y. M.  
MOLECULAR BIOLOGY REPORTS, vol.47, no.3, pp.2109-2122, 2020 (SCI-Expanded)
- XXV. **Mesenchymal stem cell transplantation in polytrauma: Evaluation of bone and liver healing response in an experimental rat model.**  
Tanriverdi A., Polat O., Elcin A. E., Ahlat O., Gürman G., Günalp Eneyli M., Oğuz A. B., Genç S., Elçin Y. M.  
European journal of trauma and emergency surgery : official publication of the European Trauma Society, vol.46, no.1, pp.53-64, 2020 (SCI-Expanded)

- XXVI. **Decellularized biological scaffold and stem cells from autologous human adipose tissue for cartilage tissue engineering**  
Ibsirlioglu T., Elçin A. E., Elçin Y. M.  
METHODS, vol.171, pp.97-107, 2020 (SCI-Expanded)
- XXVII. **3D Bioprinting of Tissue Models with Customized Bioinks**  
Vurat M. T., Ergun C., Elçin A. E., Elçin Y. M.  
BIOINSPIRED BIOMATERIALS: ADVANCES IN TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.1249, pp.67-84, 2020 (SCI-Expanded)
- XXVIII. **Synthesis and Characterization of Thermosensitive Poly(N-Vinyl Caprolactam)-Grafted-Aminated Alginate Hydrogels**  
DURKUT S., ELÇİN Y. M.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.221, no.2, 2020 (SCI-Expanded)
- XXIX. **Bioethical issues in genome editing by CRISPR-Cas9 technology**  
Ayanoglu F. B., Elçin A. E., Elçin Y. M.  
TURKISH JOURNAL OF BIOLOGY, vol.44, no.2, pp.110-120, 2020 (SCI-Expanded)
- XXX. **Autologous protein-based scaffold composed of platelet lysate and aminated hyaluronic acid**  
Seker Ş., Elçin A. E., Elçin Y. M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.30, no.12, 2019 (SCI-Expanded)
- XXXI. **Magnetic silk fibroin composite nanofibers for biomedical applications: Fabrication and evaluation of the chemical, thermal, mechanical, and in vitro biological properties**  
Lalegül Ülker Ö., Vurat M. T., Elçin A. E., Elçin Y. M.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.41, 2019 (SCI-Expanded)
- XXXII. **Decellularized bovine small intestinal submucosa-PCL/hydroxyapatite-based multilayer composite scaffold for hard tissue repair**  
PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.94, pp.788-797, 2019 (SCI-Expanded)
- XXXIII. **Encapsulation of bone marrow-MSCs in PRP-derived fibrin microbeads and preliminary evaluation in a volumetric muscle loss injury rat model: modular muscle tissue engineering**  
Lalegül Ülker Ö., Seker Ş., Elçin A. E., Elçin Y. M.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.47, no.1, pp.10-21, 2019 (SCI-Expanded)
- XXXIV. **Osteogenic differentiation of encapsulated rat mesenchymal stem cells inside a rotating microgravity bioreactor: in vitro and in vivo evaluation**  
KOÇ DEMİR A., ELÇİN A. E., ELÇİN Y. M.  
CYTOTECHNOLOGY, vol.70, no.5, pp.1375-1388, 2018 (SCI-Expanded)
- XXXV. **Osteogenic composite nanocoating based on nanohydroxyapatite, strontium ranelate and polycaprolactone for titanium implants**  
Vurat M. T., Elçin A. E., Elçin Y. M.  
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.28, no.9, pp.1763-1773, 2018 (SCI-Expanded)
- XXXVI. **Strontium-modified chitosan/montmorillonite composites as bone tissue engineering scaffold**  
Koç Demir A., Elcin A. E., Elçin Y. M.  
Materials Science and Engineering C, vol.89, pp.8-14, 2018 (SCI-Expanded)
- XXXVII. **Nanofibrous silk fibroin/reduced graphene oxide scaffolds for tissue engineering and cell culture applications**  
Nalvuran H., Elçin A. E., Elçin Y. M.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.114, pp.77-84, 2018 (SCI-Expanded)
- XXXVIII. **Mesenchymal Stem Cell Infusion in Haploidentical Hematopoietic Stem Cell Transplantation in Patients with Hematological Malignancies**  
Arslan O., Elcin A. E., Atilla E., Şeker Ş., Baydin P., Gunduz M., Ozen M., Bayraktar U. D., Ilhan O., Beksac M., et al.  
BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION, vol.24, pp.1-2, 2018 (SCI-Expanded)
- XXXIX. **Clinical Applications of Injectable Biomaterials**

- Ercan H., Durkut S., Koç Demir A., Elçin A. E., Elçin Y. M.  
NOVEL BIOMATERIALS FOR REGENERATIVE MEDICINE, vol.1077, pp.163-182, 2018 (SCI-Expanded)
- XL. **Decellularization of Bovine Small Intestinal Submucosa**  
Parmaksız M., Elçin A. E., Elçin Y. M.  
DECELLULARIZED SCAFFOLDS AND ORGANOGENESIS, vol.1577, pp.129-138, 2018 (SCI-Expanded)
- XLII. **Intrinsically Conductive Polymer Nanocomposites for Cellular Applications**  
Lalegül Ülker Ö., Elçin A. E., Elçin Y. M.  
CUTTING-EDGE ENABLING TECHNOLOGIES FOR REGENERATIVE MEDICINE, vol.1078, pp.135-153, 2018 (SCI-Expanded)
- XLIII. **Investigations on clonazepam-loaded polymeric micelle-like nanoparticles for safe drug administration during pregnancy**  
Sezgin Bayındır Z., Elçin A. E., Parmaksız M., Elçin Y. M., Yüksel N.  
JOURNAL OF MICROENCAPSULATION, vol.35, no.2, pp.149-164, 2018 (SCI-Expanded)
- XLIV. **Cardiac Stem Cell Characteristics in Physiological and Pathological Conditions**  
Ozturk S., Elçin Y. M.  
CURRENT PHARMACEUTICAL DESIGN, vol.24, no.26, pp.3101-3112, 2018 (SCI-Expanded)
- XLV. **Selection of Suitable Reference Genes for Quantitative Real-Time PCR Normalization in Human Stem Cell Research**  
Ayanoglu F. B., Elçin A. E., Elçin Y. M.  
CELL BIOLOGY AND TRANSLATIONAL MEDICINE, VOL 4: STEM CELLS AND CELL BASED STRATEGIES IN REGENERATION, vol.1119, pp.151-168, 2018 (SCI-Expanded)
- XLVI. **Synthesis and characterization of thermosensitive poly(N-vinylcaprolactam)-g-collagen**  
Durdut S., Elçin Y. M.  
Artificial Cells, Nanomedicine and Biotechnology, vol.45, no.8, pp.1665-1674, 2017 (SCI-Expanded)
- XLVII. **Osteogenic differentiation of mesenchymal stem cells using hybrid nanofibers with different configurations and dimensionality**  
Gugutkov D., Awaja F., Belemzova K., Keremidarska M., Krasteva N., Kyurkchiev S., Gallego-Ferrer G., Seker Ş., Elçin A. E., Elçin Y. M., et al.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.105, no.7, pp.2065-2074, 2017 (SCI-Expanded)
- XLVIII. **Decellularization of bovine small intestinal submucosa and its use for the healing of a critical-sized full-thickness skin defect, alone and in combination with stem cells, in a small rodent model**  
Parmaksız M., Elçin A. E., Elçin Y. M.  
Journal of Tissue Engineering and Regenerative Medicine, vol.11, no.6, pp.1754-1765, 2017 (SCI-Expanded)
- XLIX. **Special Issue: Organs-on-Chips & 3D-Bioprinting Technologies for Personalized Medicine**  
Elçin Y. M.  
STEM CELL REVIEWS AND REPORTS, vol.13, no.3, pp.319-320, 2017 (SCI-Expanded)
- L. **Translational applications of tissue engineering in cardiovascular medicine**  
Dogan A., Elçin A. E., Elçin Y. M.  
Current Pharmaceutical Design, vol.23, no.6, pp.903-914, 2017 (SCI-Expanded)
- L. **Differential gene expression profiling of human adipose stem cells differentiating into smooth muscle-like cells by TGF beta 1/BMP4**  
Elçin A. E., Parmaksız M., Dogan A., Seker Ş., Durkut S., Dalva K., Elçin Y. M.  
EXPERIMENTAL CELL RESEARCH, vol.352, no.2, pp.207-217, 2017 (SCI-Expanded)
- LI. **A comparative study on the in vitro cytotoxic responses of two mammalian cell types to fullerenes, carbon nanotubes and iron oxide nanoparticles**  
Dönmez Güngüneş Ç., Seker Ş., Elçin A. E., Elçin Y. M.  
DRUG AND CHEMICAL TOXICOLOGY, vol.40, no.2, pp.215-227, 2017 (SCI-Expanded)
- LII. **Evaluation of various block copolymers for micelle formation and brain drug delivery: In vitro characterization and cellular uptake studies**  
Sezgin Bayındır Z., Ergin A. D., Parmaksız M., Elçin A. E., Elçin Y. M., Yüksel N.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.36, pp.120-129, 2016 (SCI-Expanded)



- LIII. **Real-time monitoring of mesenchymal stem cell responses to biomaterial surfaces and to a model drug by using quartz crystal microbalance**  
Seker Ş., Elçin A. E., Elçin Y. M.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.7, pp.1722-1732, 2016 (SCI-Expanded)
- LIV. **Time-resolved fluorescence resonance energy transfer [TR-FRET] assays for biochemical processes**  
Ergin E., Dogan A., Parmaksız M., Elçin A. E., Elçin Y. M.  
Current Pharmaceutical Biotechnology, vol.17, no.14, pp.1222-1230, 2016 (SCI-Expanded)
- LV. **The use of autologous neurogenically-induced bone marrow-derived mesenchymal stem cells for the treatment of paraplegic dogs without nociception due to spinal trauma**  
Beşaltı Ö., Aktas Z., Can P., Akpınar E., Elçin A. E., Elçin Y. M.  
JOURNAL OF VETERINARY MEDICAL SCIENCE, vol.78, no.9, pp.1465-1473, 2016 (SCI-Expanded)
- LVI. **Ectopic osteogenic tissue formation by MC3T3-E1 cell-laden chitosan/hydroxyapatite composite scaffold**  
Koc A., Elçin A. E., Elçin Y. M.  
Artificial Cells, Nanomedicine and Biotechnology, vol.44, no.6, pp.1440-1447, 2016 (SCI-Expanded)
- LVII. **Extracellular Matrix and Regenerative Therapies from the Cardiac Perspective**  
Dogan A., Parmaksız M., Elçin A. E., Elçin Y. M.  
STEM CELL REVIEWS AND REPORTS, vol.12, no.2, pp.202-213, 2016 (SCI-Expanded)
- LVIII. **Clinical applications of decellularized extracellular matrices for tissue engineering and regenerative medicine**  
Parmaksız M., Dogan A., Odabaş S., Elçin A. E., Elçin Y. M.  
BIOMEDICAL MATERIALS, vol.11, no.2, 2016 (SCI-Expanded)
- LIX. **Baculoviral vector loaded mesenchymal stem cells as efficient gene therapy tools for cancer treatment**  
Aktas S. H., Akbulut H., Elçin A. E., Parmaksız M., Keskin A. A., Çöleri Cihan A., Elçin Y. M., Icli F.  
TURKISH JOURNAL OF BIOLOGY, vol.40, no.5, pp.1121-1128, 2016 (SCI-Expanded)
- LX. **Differentiation of Human Embryonic Stem Cells on Periodontal Ligament Fibroblasts**  
Elçin Y. M., Inanc B., Elçin A. E.  
HUMAN EMBRYONIC STEM CELL PROTOCOLS, 3 EDITION, vol.1307, pp.223-235, 2016 (SCI-Expanded)
- LXI. **Subarachnoid transplantation of autologous neurogenically induced bone marrow derived mesenchymal stem cells for the treatment of fibrocartilagenous embolic myelopathy in two dogs**  
Can P., Beşaltı Ö., Akpınar E., Aktas Z., Elçin A. E., Elçin Y. M.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, no.1, pp.120-123, 2016 (SCI-Expanded)
- LXII. **Intraspinal Transplantation of Autologous Neurogenically-Induced Bone Marrow-Derived Mesenchymal Stem Cells in the Treatment of Paraplegic Dogs without Deep Pain Perception Secondary to Intervertebral Disk Disease**  
Beşaltı Ö., Can P., Akpınar E., Aktas Z., Elçin A. E., Elçin Y. M.  
TURKISH NEUROSURGERY, vol.25, no.4, pp.625-632, 2015 (SCI-Expanded)
- LXIII. **In vitro evaluation of encapsulated primary rat hepatocytes pre- and post-cryopreservation at-80 degrees C and in liquid nitrogen**  
Durkut S., Elçin A. E., Elçin Y. M.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.43, no.1, pp.50-61, 2015 (SCI-Expanded)
- LXIV. **In vitro cytotoxicity of hydrothermally synthesized ZnO nanoparticles on human periodontal ligament fibroblast and mouse dermal fibroblast cells**  
Seker Ş., Elçin A. E., Yumak T., Sınağ A., Elçin Y. M.  
TOXICOLOGY IN VITRO, vol.28, no.8, pp.1349-1358, 2014 (SCI-Expanded)
- LXV. **Evaluation of adenoviral vascular endothelial growth factor-activated chitosan/hydroxyapatite scaffold for engineering vascularized bone tissue using human osteoblasts: In vitro and in vivo studies**  
Koc A., Finkenzeller G., Elçin A. E., Stark G. B., Elçin Y. M.  
Journal of Biomaterials Applications, vol.29, no.5, pp.748-760, 2014 (SCI-Expanded)

- LXVI. **New porous polycaprolactone-silica composites for bone regeneration**  
Bonilla C. E. P., Trujillo S., Demirdogen B., Perilla J. E., Elçin Y. M., Ribelles J. L. G.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.40, pp.418-426, 2014 (SCI-Expanded)
- LXVII. **Silica coating of the pore walls of a microporous polycaprolactone membrane to be used in bone tissue engineering**  
Demirdogen B., Plazas Bonilla C. E., Trujillo S., Perilla J. E., Elçin A. E., Elçin Y. M., Gomez Ribelles J. L.  
Journal of Biomedical Materials Research - Part A, vol.102, no.9, pp.3229-3236, 2014 (SCI-Expanded)
- LXVIII. **Evaluation of a biomimetic poly(e-caprolactone)/b-tricalcium phosphate multispiral scaffold for bone tissue engineering: In vitro and in vivo studies**  
Baykan E., Koc A., Elcin A. E., Elçin Y. M.  
Biointerphases, vol.9, no.2, 2014 (SCI-Expanded)
- LXIX. **Isolation and Characterization of Mesenchymal Stem Cells**  
Odabaş S., Elçin A. E., Elçin Y. M.  
BONE MARROW AND STEM CELL TRANSPLANTATION, 2ND EDITION, vol.1109, pp.47-63, 2014 (SCI-Expanded)
- LXX. **Strontium-modified chitosan/montmorillonite composite scaffolds for bone tissue engineering**  
Koc A., Autefage H., ELÇİN Y. M., Stevens M. M.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, vol.6, pp.37, 2012 (SCI-Expanded)
- LXXI. **Stem Cells in Tooth Tissue Regeneration-Challenges and Limitations**  
Inanc B., Elçin Y. M.  
STEM CELL REVIEWS AND REPORTS, vol.7, no.3, pp.683-692, 2011 (SCI-Expanded)
- LXXII. **Neovascularization by bFGF releasing hyaluronic acidgelatin microspheres: In vitro and in vivo studies**  
Demirdogen B., Elçin A. E., Elçin Y. M.  
Growth Factors, vol.28, no.6, pp.426-436, 2010 (SCI-Expanded)
- LXXIII. **Proteome analysis of rat bone marrow mesenchymal stem cell differentiation**  
Celebi B., Elcin A. E., Elçin Y. M.  
Journal of Proteome Research, vol.9, no.10, pp.5217-5227, 2010 (SCI-Expanded)
- LXXIV. **Electrospun Nanofibrous PLGA/Fullerene-C60 Coated Quartz Crystal Microbalance for Real-Time Gluconic Acid Monitoring**  
Seker Ş., Arslan Y. E., Elçin Y. M.  
IEEE SENSORS JOURNAL, vol.10, no.8, pp.1342-1348, 2010 (SCI-Expanded)
- LXXV. **Human Embryonic Stem Cell Differentiation on Periodontal Ligament Fibroblasts**  
Elçin Y. M., Inanc B., Elçin A. E.  
HUMAN EMBRYONIC STEM CELL PROTOCOLS, SECOND EDITION, vol.584, pp.269-281, 2010 (SCI-Expanded)
- LXXVI. **In Vitro Differentiation and Attachment of Human Embryonic Stem Cells on Periodontal Tooth Root Surfaces**  
Inanc B., Elçin A. E., Elçin Y. M.  
TISSUE ENGINEERING PART A, vol.15, no.11, pp.3427-3435, 2009 (SCI-Expanded)
- LXXVII. **Periodontal ligament cellular structures engineered with electrospun poly(DL-lactide-co-glycolide) nanofibrous membrane scaffolds**  
Inanc B., Arslan Y. E., Seker Ş., Elçin A. E., Elçin Y. M.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.90A, no.1, pp.186-195, 2009 (SCI-Expanded)
- LXXVIII. **Proteome Analysis of Rat Bone Marrow Mesenchymal Stem Cell Subcultures**  
Celebi B., ELÇİN Y. M.  
JOURNAL OF PROTEOME RESEARCH, vol.8, no.5, pp.2164-2172, 2009 (SCI-Expanded)
- LXXIX. **Human embryonic stem cell differentiation on tissue engineering scaffolds: Effects of NGF and retinoic acid induction**  
Inanc B., Elcin A. E., ELÇİN Y. M.  
Tissue Engineering - Part A, vol.14, no.6, pp.955-964, 2008 (SCI-Expanded)
- LXXX. **In vitro osteogenic differentiation of rat mesenchymal stem cells in a microgravity bioreactor**

- Koc A., Emin N., Elçin A. E., Elçin Y. M.  
Journal of Bioactive and Compatible Polymers, vol.23, no.3, pp.244-261, 2008 (SCI-Expanded)
- LXXXI. **Engineering of rat articular cartilage on porous sponges: Effects of TGF- $\beta$  1 and microgravity bioreactor culture**  
Emin N., Koc A., Durkut S., Elcin A. E., Elçin Y. M.  
Artificial Cells, Blood Substitutes, and Biotechnology, vol.36, no.2, pp.123-137, 2008 (SCI-Expanded)
- LXXXII. **Differentiation of human embryonic stem cells on periodontal ligament fibroblasts in vitro**  
Inanc B., Elçin A. E., Uensal E., Balos K., Parlar A., Elçin Y. M.  
ARTIFICIAL ORGANS, vol.32, no.2, pp.100-109, 2008 (SCI-Expanded)
- LXXXIII. **Encapsulation and osteoinduction of human periodontal ligament fibroblasts in chitosan-hydroxyapatite microspheres**  
Inanc B., Elcin A. E., Koc A., Balos K., Parlar A., Elçin Y. M.  
Journal of Biomedical Materials Research - Part A, vol.82, no.4, pp.917-926, 2007 (SCI-Expanded)
- LXXXIV. **Evaluation of modified CMC and CMC-PVA as miscible polymer blend membranes for hepatocytes**  
Koc A., Durkut S., Elcin A. E., Tan E., Elçin Y. M.  
Macromolecular Bioscience, vol.7, no.5, pp.681-689, 2007 (SCI-Expanded)
- LXXXV. **Effect of osteogenic induction on the in vitro differentiation of human embryonic stem cells cocultured with periodontal ligament fibroblasts**  
Inanc B., Elçin A. E., Elçin Y. M.  
Artificial Organs, vol.31, no.11, pp.792-800, 2007 (SCI-Expanded)
- LXXXVI. **Localized angiogenesis induced by human vascular endothelial growth factor-activated PLGA sponge**  
Elçin A. E., Elçin Y. M.  
Tissue Engineering, vol.12, no.4, pp.959-968, 2006 (SCI-Expanded)
- LXXXVII. **Biodegradation of chitosan-tripolyphosphate beads: In vitro and in vivo studies**  
Durtkut S., Elçin Y. M., Elçin A. E.  
Artificial Cells, Blood Substitutes, and Biotechnology, vol.34, no.2, pp.263-276, 2006 (SCI-Expanded)
- LXXXVIII. **Osteogenic induction of human periodontal ligament fibroblasts under two- and three-dimensional culture conditions**  
Inanc B., Elçin A. E., Elçin Y. M.  
Tissue Engineering, vol.12, no.2, pp.257-266, 2006 (SCI-Expanded)
- LXXXIX. **Topical use of liposomal copper palmitate formulation blocks porphyrin-induced photosensitivity in rats**  
Bilgin M., Elçin A. E., Elçin Y. M.  
Journal of Photochemistry and Photobiology B: Biology, vol.80, no.2, pp.107-114, 2005 (SCI-Expanded)
- XC. **Stem cells and tissue engineering**  
Elçin Y. M.  
Advances in Experimental Medicine and Biology, vol.553, pp.301-316, 2004 (SCI-Expanded)
- XCI. **Stem cells and tissue engineering**  
Elçin Y. M.  
BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES, vol.553, pp.301-316, 2004 (SCI-Expanded)
- XCII. **Functional and Morphological Characteristics of Bovine Adrenal Chromaffin Cells on Macroporous Poly(D,L-lactide-co-glycolide) Scaffolds**  
Elcin Y. M., Elcin A. E., Pappas G.  
Tissue Engineering, vol.9, no.5, pp.1047-1056, 2003 (SCI-Expanded)
- XCIII. **Pancreatic islet culture and transplantation using chitosan and PLGA scaffolds.**  
Elçin Y. M., Elcin A. E., Bretzel R., Linn T.  
Advances in experimental medicine and biology, vol.534, pp.255-264, 2003 (SCI-Expanded)
- XCIV. **Liver tissue engineering: Successes & limitations**  
Dixit V., Elçin Y. M.  
TISSUE ENGINEERING, STEM CELLS AND GENE THERAPIES, vol.534, pp.57-67, 2003 (SCI-Expanded)
- XCV. **Polymers for Induction of Revascularization in the Rat Fascial Flap: Application of Vascular**

### **Endothelial Growth Factor and Pancreatic Islet Cells**

Linn T., Erb D., Schneider D., Kiszun A., Elcin A. E., Bretzel R., Elcin Y. M.  
Cell Transplantation, vol.12, no.7, pp.769-778, 2003 (SCI-Expanded)

- XCVI. **Angiogenesis in tissue engineering**  
ELÇİN Y. M.  
Technology and Health Care, vol.10, no.3-4, pp.306-308, 2002 (SCI-Expanded)
- XCVII. **Extensive in vivo angiogenesis following controlled release of human vascular endothelial cell growth factor: Implications for tissue engineering and wound healing**  
ELÇİN Y. M., Dixit V., Gitnick T.  
ARTIFICIAL ORGANS, vol.25, no.7, pp.558-565, 2001 (SCI-Expanded)
- XCVIII. **Polycation-coated polyanion microspheres of urease for urea hydrolysis**  
Elçin A. E., Elçin Y. M.  
Artificial Cells, Blood Substitutes, and Immobilization Biotechnology, vol.28, no.1, pp.95-111, 2000 (SCI-Expanded)
- XCIX. **Functional characteristics of primary rat hepatocytes in monolayers and on three-dimensional PLGA scaffold.**  
Dixit V., Elcin M., Arthur M., Gitnick G.  
GASTROENTEROLOGY, vol.116, no.4, 1999 (SCI-Expanded)
- C. **Xenotransplantation of fetal porcine hepatocytes in rats using a tissue engineering approach**  
ELÇİN Y. M., Dixit V., Lewin K., Gitnick G.  
ARTIFICIAL ORGANS, vol.23, no.2, pp.146-152, 1999 (SCI-Expanded)
- CI. **Hepatocyte attachment on biodegradable modified chitosan membranes: In vitro evaluation for the development of liver organoids**  
ELÇİN Y. M., Dixit V., Gitnick G.  
ARTIFICIAL ORGANS, vol.22, no.10, pp.837-846, 1998 (SCI-Expanded)
- CII. **Neural tissue engineering: Adrenal chromaffin cell attachment and viability on chitosan scaffolds**  
Elcin A. E., Elcin Y. M., Pappas G.  
Neurological Research, vol.20, no.7, pp.648-654, 1998 (SCI-Expanded)
- CIII. **Acrylamide grafted poly(ethylene terephthalate) fibers activated by glutaraldehyde as support for urease**  
Elçin Y. M., Saçak M.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.60, no.1, pp.19-32, 1996 (SCI-Expanded)
- CIV. **Tissue engineering studies involving xenotransplantation of fetal porcine hepatocytes in rats using biodegradable polymer scaffolds**  
Dixit V., ELÇİN Y. M., Lewin K., Arthur M., Gitnick G.  
GASTROENTEROLOGY, vol.110, no.4, 1996 (SCI-Expanded)
- CV. **Controlled release of endothelial cell growth factor from Chitosan-albumin microspheres for localized angiogenesis: In vitro and in vivo studies**  
ELÇİN Y. M., Dixit V., Gitnick G.  
ARTIFICIAL CELLS BLOOD SUBSTITUTES AND BIOTECHNOLOGY, vol.24, no.3, pp.257-271, 1996 (SCI-Expanded)
- CVI. **Stability and controlled release properties of carboxymethylcellulose-encapsulated Bacillus thuringiensis var israelensis**  
Çökmüş C., Elçin Y. M.  
PESTICIDE SCIENCE, vol.45, no.4, pp.351-355, 1995 (SCI-Expanded)
- CVII. **ENCAPSULATION OF UREASE ENZYME IN XANTHAN-ALGINATE SPHERES**  
Elçin Y. M.  
BIOMATERIALS, vol.16, no.15, pp.1157-1161, 1995 (SCI-Expanded)
- CVIII. **CONTROL OF MOSQUITO LARVAE BY ENCAPSULATED PATHOGEN BACILLUS-THURINGIENSIS VAR ISRAELENIS**  
ELÇİN Y. M.  
JOURNAL OF MICROENCAPSULATION, vol.12, no.5, pp.515-523, 1995 (SCI-Expanded)
- CIX. **ALUMINUM CARBOXYMETHYLCELLULOSE ENCAPSULATION OF BACILLUS-SPHAERICUS-2362 FOR**

## **CONTROL OF CULEX SPP (DIPTERA, CULICIDAE) LARVAE**

Elçin Y. M., Çökmüş C., Saçlık S.

JOURNAL OF ECONOMIC ENTOMOLOGY, vol.88, no.4, pp.830-834, 1995 (SCI-Expanded)

- CX. **BACILLUS-SPHAERICUS 2362-CALCIUM ALGINATE MICROCAPSULES FOR MOSQUITO-CONTROL**  
ELÇİN Y. M.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.17, no.7, pp.587-591, 1995 (SCI-Expanded)
- CXI. **METHACRYLIC ACID-ACRYLAMIDE-G-POLY(ETHYLENETEREPHTHALATE) FIBERS FOR UREA HYDROLYSIS**  
Elçin Y. M., Saçak M.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.63, no.2, pp.174-180, 1995 (SCI-Expanded)
- CXII. **LARVICIDAL AND SPORAL BEHAVIOR OF BACILLUS-SPHAERICUS-2362 IN CARRAGEENAN MICROCAPSULES**  
Elçin Y. M., Oktemer A.  
JOURNAL OF CONTROLLED RELEASE, vol.33, no.2, pp.245-251, 1995 (SCI-Expanded)
- CXIII. **GLUCOSE-OXIDASE IMMOBILIZED ON GELATIN BY VARIOUS CROSS-LINKERS**  
ELÇİN Y. M., SUNGUR S., AKBULUT U.  
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, vol.A30, pp.137-147, 1993 (SCI-Expanded)
- CXIV. **UREASE IMMOBILIZATION INTO POLY(ACRYLAMIDE)-GELATIN GELS**  
ELÇİN Y. M., SUNGUR S., AKBULUT U.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.2, no.5, pp.433-438, 1992 (SCI-Expanded)
- CXV. **IMMOBILIZATION OF UREASE INTO CARBOXYMETHYLCELLULOSE - GELATIN SYSTEM**  
SUNGUR S., ELÇİN Y. M., AKBULUT U.  
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, vol.29, pp.251-265, 1992 (SCI-Expanded)
- CXVI. **POLYESTER FILM STRIPS COATED WITH PHOTOGRAPHIC GELATIN CONTAINING IMMOBILIZED GLUCOSE-OXIDASE HARDENED BY CHROMIUM(III) SULFATE**  
Elçin Y. M., Akbulut U.  
BIOMATERIALS, vol.13, no.3, pp.156-161, 1992 (SCI-Expanded)
- CXVII. **STUDIES ON IMMOBILIZATION OF UREASE IN GELATIN BY CROSS-LINKING**  
SUNGUR S., ELÇİN Y. M., AKBULUT U.  
BIOMATERIALS, vol.13, no.11, pp.795-800, 1992 (SCI-Expanded)

## Articles Published in Other Journals

---

### I. **Tissue engineering of liver**

ELÇİN Y. M.

BIOMED SCI TECHNOL: RECENT DEV PHARM MED SCI, pp.109-116, 1998 (Peer-Reviewed Journal)

## Books & Book Chapters

---

### I. **Encapsulation of MSCs in PRP-Derived Fibrin Microbeads**

Lalegül Ülker Ö., Şeker Ş., Elçin A. E., Elçin Y. M.

in: Stem Cells and Lineage Commitment: Methods and Protocols, Kursad Turksen, Editor, Springer Nature, New York, pp.1-10, 2023

### II. **Advances in Regenerative Medicine and Biomaterials**

Şeker Ş., Elçin A. E., Elçin Y. M.

in: Gene, Drug, and Tissue Engineering, Glauca C. Pereira, Editor, Springer Nature, New York, pp.127-152, 2023

- III. **BIOMED 2022 PROCEEDINGS BOOK**  
Elçin Y. M. (Editor)  
Biyomalzeme ve Doku Mühendisliği Derneği, Ankara, 2022
- IV. **Functions of Mesenchymal Stem Cells in Cardiac Repair**  
Öztürk S., Elçin A. E., Elçin Y. M.  
in: *Advances in Experimental Medicine and Biology*, "Cell Biology and Translational Medicine, Volume 11, Kursad Turksen, Editor, Springer Nature, Zürich, pp.39-50, 2021
- V. **Biomimetic 3D-Bone Tissue Model**  
PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
in: *NEXT GENERATION CULTURE PLATFORMS FOR RELIABLE IN VITRO MODELS*, Brevini T.A.L., Fazeli A., Turksen K., Editor, Springer Nature, New York, pp.239-250, 2021
- VI. **Kişisel Tıp İçin Çipte Doku/Organ Sistemleri**  
ELÇİN Y. M.  
in: *Gen ve Hücre Tedavisinde Güncel Gelişmeler*, BAĞCI GÜLSEREN, Editor, Türkiye Klinikleri Tıp Bilimleri Dergisi, Ankara, pp.131-134, 2021
- VII. **Clinical and surgical aspects of medical materials' biocompatibility**  
ÖZTÜRK S., Ayanoğlu B., PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
in: *Handbook of Biomaterials Biocompatibility*, Masoud Mozafari, Editor, Woodhead Publishing Series in Biomaterials, Elsevier, Kidlington, pp.219-250, 2020
- VIII. **3D Bioprinting of Tissue Models with Customized Bioinks**  
M. T. V., ERGUN C., ELÇİN A. E., ELÇİN Y. M.  
in: *BIOINSPIRED BIOMATERIALS: ADVANCES IN TISSUE ENGINEERING AND REGENERATIVE MEDICINE*, H.J. CHUN, R.L. REIS, A. MOTTA, G. KHANG, Editor, Springer, pp.67-84, 2020
- IX. **Quartz crystal microbalance (QCM) and surface plasmon resonance (SPR)**  
Şeker Ş., Vurat M. T., Doğan A., Elçin A. E., Elçin Y. M.  
in: *Sensors for Diagnostics and Monitoring: Devices, Circuits, & Systems*, Yallup K, Basiricò L, Editor, CRC, New York, Florida, pp.179-215, 2019
- X. **Sensor systems for label-free detection of biomolecular interactions: Quartz crystal microbalance (QCM) and surface plasmon resonance (SPR)**  
ŞEKER Ş., VURAT M. T., DOĞAN A., ELÇİN A. E., ELÇİN Y. M.  
in: *Sensors for Diagnostics and Monitoring*, Yallup Kevin, Basiricò Laura, Krzysztof Iniewski, Editor, CRC Press, Boca Raton, FL, pp.179-215, 2019
- XI. **Clinical Applications of Injectable Biomaterials**  
ERCAN H., DURKUT S., KOÇ DEMİR A., ELÇİN A. E., ELÇİN Y. M.  
in: *Novel Biomaterials for Regenerative Medicine (Advances in Experimental Medicine and Biology 1077)*, Chun HJ, Park K, Kim C-H, Khang G, Editor, Springer Nature, b, pp.163-182, 2018
- XII. **Decellularization of Bovine Small Intestinal Submucosa**  
PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
in: *Decellularized Scaffolds and Organogenesis (Methods in Molecular Biology 1577)*, KURSAD TURKSEN, Editor, Humana Press, New York, pp.129-138, 2018
- XIII. **Decellularized bSIS-ECM as a Regenerative Biomaterial for Skin Wound Repair**  
PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
in: *Methods in Molecular Biology*, KURSAD TURKSEN, Editor, Humana Press, New York, pp.1-11, 2018
- XIV. **Intrinsically Conductive Polymer Nanocomposites for Cellular Applications**  
LALEGÜL Ö., ELÇİN A. E., ELÇİN Y. M.  
in: *Cutting-Edge Enabling Technologies for Regenerative Medicine (Advances in Experimental Medicine and Biology 1078)*, Heung Jae CHUN, Chan Hum PARK, Il Keun KWON, Gilson KHANG, Editor, Springer Nature, pp.135-153, 2018
- XV. **TÜBA-Kök Hücre Araştırmaları ve Biyoetik Sempozyumu Raporu**  
Elçin Y. M. (Editor)  
Tüba Basın Yayın, Ankara, 2016

- XVI. **KÖK HÜCRELERE BAKIŞ: TANIMLAR, KAVRAMLAR ve SINIFLANDIRMALAR**  
Elçin Y. M.  
in: TÜBA-Kök Hücre Araştırmaları ve Biyoetik Sempozyumu Raporu, Elçin Y.M., Editor, Tüba Basın Yayın, Ankara, pp.19-33, 2016
- XVII. **Differentiation of human embryonic stem cells on periodontal ligament fibroblasts**  
ELÇİN Y. M., İNANÇ B., ELÇİN A. E.  
in: Human Embryonic Stem Cell Protocols Methods in Molecular Biology Series 1307, TURKSEN, KURSAD, Editor, Humana Press (Springer), New York, pp.223-236, 2015
- XVIII. **Nanotechnology in tissue engineering and regenerative medicine**  
Şeker Ş., Arslan Y. E., Durkut S., Elçin A. E., Elçin Y. M.  
in: Nanopatterning and Nanoscale Devices for Biological Applications, Seila Selimovic, Editor, CRC, New York , Florida, pp.343-371, 2014
- XIX. **Bioanalytical applications of piezoelectric sensors**  
Şeker Ş., Elçin Y. M.  
in: Nanopatterning and Nanoscale Devices for Biological Applications, Seila Selimovic, Editor, CRC, New York , Florida, pp.261-287, 2014
- XX. **Isolation and characterization of mesenchymal stem cells**  
ODABAŞ S., ELÇİN A. E., ELÇİN Y. M.  
in: Bone Marrow and Stem Cell Transplantation Methods in Molecular Biology Series 1109, BEKSAÇ MERAL, Editor, Humana Press (Springer), New York, pp.47-63, 2014
- XXI. **Lehninger Biyokimyanın İlkeleri**  
Elçin Y. M. (Editor)  
Palme Yayıncılık, Ankara, 2013
- XXII. **Quartz Crystal Microbalance-Based Biosensors**  
Şeker Ş., Elçin Y. M.  
in: Biological and Medical Sensor Technologies, Krzysztof Iniewski, Editor, CRC, New York , Florida, pp.105-124, 2012
- XXIII. **Human embryonic stem cell differentiation of periodontal ligament fibroblasts**  
ELÇİN Y. M., İNANÇ B.  
in: Human Embryonic Stem Cell Protocols Methods in Molecular Biology Series 584, TURKSEN KURSAD, Editor, Humana Press (Springer), New York, pp.269-281, 2010
- XXIV. **Klinik doku mühendisliği**  
ELÇİN Y. M.  
in: Kök Hücre Biyolojisi ve Klinik Uygulamalar, TÜBA KÖK HÜCRE ÇALIŞMA GRUBU, Editor, Yeni Reform, Ankara, pp.93-98, 2009
- XXV. **Embriyonik kök hücreler**  
ELÇİN Y. M.  
in: Kök Hücre Biyolojisi ve Klinik Uygulamalar, TÜBA KÖK HÜCRE ÇALIŞMA GRUBU, Editor, Yeni Reform, Ankara, pp.23-28, 2009
- XXVI. **Ürolojide doku mühendisliği ve gen tedavisi**  
ELÇİN Y. M.  
in: Temel Üroloji Cep Kitabı, KADRİ ANAFARTA, NİHAT ARIKAN, YAŞAR BEDÜK, Editor, Güneş Tıp Kitabevleri, Ankara, pp.780-796, 2008
- XXVII. **Ürolojide doku mühendisliği ve gen tedavisi**  
ELÇİN Y. M.  
in: Temel Üroloji, KADRİ ANAFARTA, YAŞAR BEDÜK, NİHAT ARIKAN, Editor, Güneş Tıp Kitabevleri, Ankara, pp.1061-1076, 2007
- XXVIII. **Tissue engineering of the liver**  
ELÇİN Y. M.  
in: Biodegradable Systems in Tissue Engineering and Regenerative Medicine, REIS, RUI L., SAN ROMAN, JULIO, Editor, CRC Press, BOCA RATON, pp.479-492, 2005

**XXIX. Stem cells and tissue engineering**

ELÇİN Y. M.

in: Biomaterials From Molecules to Engineered Tissues Advances in Experimental Medicine and Biology Volume 553, NESRİN HASIRCI, VASIF HASIRCI, Editor, Kluwer Academic/Plenum Publishers, New York, pp.301-316, 2004

**XXX. Tissue Engineering Stem Cells and Gene Therapies Advances in Experimental Medicine and Biology Volume 534**

Elçin Y. M. (Editor)

Kluwer Academic Publishers, New York, 2003

**XXXI. Liver support and tissue engineering**

ELÇİN Y. M.

in: Advanced Materials for Biomedical Applications, MANTOVANI, DIEGO, Editor, CANADIAN INSTITUTE OF MINING, METALLURGY AND PETROLEUM, Montreal, pp.3-16, 2002

**XXXII. Tissue engineering of liver**

ELÇİN Y. M.

in: Biomedical Science and Technology Recent developments in the pharmaceutical and medical sciences, HINCAL A. ATILLA, KAŞ H. SÜHEYLÄ, Editor, Plenum Press, New York, pp.109-116, 1998

**Refereed Congress / Symposium Publications in Proceedings**

---

- I. Evaluation of a PCL-nHAp-rGO Ternary Blend, Micro-Grooved Membrane Scaffold for Osteoblasts**  
Tüzün Antepli B., Şeker Ş., Elçin A. E., Khang G., Elçin Y. M.  
BIOMED 2022 - 26th International Biomedical Science and Technology Symposium, Ankara, Turkey, 25 - 27 November 2022, pp.44-45
- II. Synergistic Effect of Electromagnetic Field and Coated Magnetic Nanoparticles on Adipose Stem Cells**  
Bayramlı Öner B., Lalegül Ülker Ö., Elçin A. E., Elçin Y. M.  
BIOMED 2022 - 26th International Biomedical Science and Technology Symposium, Ankara, Turkey, 25 - 27 November 2022, pp.64
- III. Investigation of a Proangiogenic Biocomposite of Decellularized Bone Matrix and Bioactive Glass**  
Aytekin E., Vurat M. T., Elçin A. E., Elçin Y. M.  
BIOMED 2022 - 26th International Biomedical Science and Technology Symposium, Ankara, Turkey, 25 - 27 November 2022, pp.27
- IV. DBM-nHAp as a Bone Marrow Mesenchymal Stem Cell Encapsulation Matrix Adaptable to Surgical Shaping Procedures: In Vitro and In Vivo Evaluations**  
Vurat M. T., Parmaksız M., Elçin A. E., Elçin Y. M.  
BIOMED 2022 - 26th International Biomedical Science and Technology Symposium, Ankara, Turkey, 25 - 27 November 2022, pp.25
- V. Tendon Hücre Dışı Matriksi Temelli Manyetik Özellikteki Haloysit İskelelerinin Hazırlanması ve Karakterizasyonu**  
KOÇ DEMİR A., ELÇİN A. E., ELÇİN Y. M.  
VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 June 2022
- VI. 3-Boyutlu Biyobasım ile In Vitro Perio/Osteo Biyoarayüzünün Geliştirilmesi ve Mikroakışkan Çipte Kültürü**  
VURAT M. T., şeker ş., PARMAKSIZ M., ELÇİN A. E., LALEGÜL ÜLKER Ö., ELÇİN Y. M.  
Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2021), Turkey, 18 December 2021
- VII. Hamilelikte Emniyetli İlaç Uygulamasına Yönelik Misel Benzeri Nanopartiküllerin İncelenmesi**  
SEZGİN BAYINDIR Z., PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M., YÜKSEL N.  
Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2021), 18 - 19 December 2021
- VIII. Kemik yenilenmesine yönelik otolog bileşenli yapı iskelelerinin geliştirilmesi ve karakterizasyonu**  
Aral D., Şeker Ş., Elçin A. E., Elçin Y. M.



25. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, 18 - 19 December 2021, pp.24

- IX. **Recent Developments in Regenerative Biomaterials, Tissue Engineering and In Vitro Tissue Models**  
Elçin Y. M.  
1st International Microscopy and Spectroscopy Congress, İstanbul, Turkey, 21 - 22 September 2021, pp.37
- X. **Three-Dimensional Bioprinting in Regenerative Medicine and Personalized Medicine**  
Elçin Y. M.  
3rd International Gazi Pharma Symposium Series (GPSS- 2021), Ankara, Turkey, 8 - 10 September 2021, pp.7
- XI. **Thermosensitive Poly(vinyl caprolactam)-g-aminated alginate as scaffold with drug delivery potential**  
DURKUT S., ELÇİN Y. M.  
24th International Biomedical Science and Technology Symposium (BIOMED2019), 17 - 20 October 2019
- XII. **Advances in Microphysiological Systems: Focus on a 3D-Bioprinted Perio/Osteo Tissue-on-a-Chip Platform**  
ELÇİN Y. M., VURAT M. T., ŞEKER Ş., LALEGÜL Ö., PARMAKSIZ M., ELÇİN A. E.  
24th Biomedical Science and Technology Symposium (BIOMED2019), Çeşme, İzmir, Turkey, 17 - 20 October 2019
- XIII. **Optimization of the Decellularization Process of Adipose Stem Cell Cultures**  
Elçin A. E., Parmaksız M., Vurat M. T., Elçin Y. M.  
3rd CellFit Annual Meeting, Athens, Greece, 10 - 12 October 2019, pp.43
- XIV. **Development of an in-vitro perio/osteo micro-tissue using 3D-bioprinting.**  
Parmaksız M., Vurat M. T., Şeker Ş., Elçin A. E., Lalegül Ülker Ö., Elçin Y. M.  
3rd CellFit Annual Meeting, Athens, Greece, 10 - 12 October 2019, pp.64
- XV. **The Investigation of the Effects of Ranolazine on Human Coronary Artery Endothelial Cells Under In-Vitro Conditions**  
ÖZTÜRK S., ELÇİN A. E., ELÇİN Y. M.  
35. Uluslararası Katılımlı Türk Kardiyoloji Kongresi, Antalya, Turkey, 3 - 06 October 2019
- XVI. **Assessment of Mussel-Inspired Carrageenan Hydrogels**  
ERCAN H., ELÇİN A. E., ELÇİN Y. M.  
7th Central European Congress of Life Science EUROBIOTECH, Krakow, Poland, 23 - 25 September 2019
- XVII. **Magneto-Sensitive Decellularized Bone Matrix as a Regenerative Biomaterial**  
ELÇİN Y. M., PARMAKSIZ M., vurat m. t., LALEGÜL Ö., DURKUT S., KOÇ DEMİR A., ELÇİN A. E.  
Advances in Functional Materials Conference, 19 - 22 August 2019
- XVIII. **Cytotoxic Effects of Magnetite Nanoparticles on Human Periodontal Ligament Fibroblast Cells**  
DÖNMEZ GÜNGÜNEŞ Ç., ŞEKER Ş., ELÇİN A. E., GÜNGÜNEŞ H., ELÇİN Y. M.  
N a n o B i o M e d 2 0 1 8, Barselona, 20 - 22 November 2018, pp.49
- XIX. **Printable Composite Bioink for Periodontal Tissue Engineering**  
ELÇİN Y. M., VURAT M. T., ELÇİN A. E., PARMAKSIZ M., ŞEKER Ş., LALEGÜL Ö.  
COST 16119 CellFit Annual Meeting, Hvar, Croatia, 2 - 03 October 2018, pp.28-29
- XX. **Development and Characterization of a Novel Bioconjugated Hydrogel Scaffold Composed of Plasma Proteins and Aminated Hyaluronic Acid**  
ŞEKER Ş., ELÇİN Y. M.  
29th Annual Meeting of the European Society for Biomaterials., Maastricht, Netherlands, 9 - 13 September 2018
- XXI. **Strontium-Modified Chitosan / Montmorillonite Composite Scaffolds For Bone Tissue Engineering**  
KOÇ DEMİR A., Auftrage H., ELÇİN Y. M., Stevens M.  
TERMIS2012, 5 - 08 September 2012
- XXII. **Thermosensitive-PNVCL-Based Hybrid Hydrogels for Biomedical Applications**  
DURKUT S., ELÇİN Y. M., ELÇİN A. E.  
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- XXIII. **Mesenchymal Stem Cell Infusion in Haploidentical Hematopoietic Stem Cell Transplantation in Patients with Hematological Malignancies**  
Arslan Ö., Elçin A. E., Atilla E., Seker Ş., Baydın P., Gunduz M., Ozen M., Bayraktar U. D., İlhan O., Beksaç M., et al.  
Blood and Marrow Transplantation Tandem Meetings of the Center-for-International-Blood-and-Marrow-

Transplant-Research (CIBMTR) / American-Society-for-Blood-and-Marrow-Transplantation (ASBMT), Utah, United States Of America, 21 - 25 February 2018, vol.24

- XXIV. **Kişisel Tıp: Çipte Doku-Organ Sistemleri ve Üç-Boyutlu Biyobasım**  
ELÇİN Y. M.  
HEALTH 4.0 SAĞLIKTA YENİLİKLER KONGRESİ, İstanbul, Turkey, 24 - 26 November 2017
- XXV. **Hematolojik Maligniteli Hastalarda Haploidentik Kök Hücre Nakillerinde Mezenkimal Kök Hücre Uygulaması.**  
ARSLAN Ö., ELÇİN A. E., ATILLA E., ŞEKER Ş., BAYDIN P., GÜNDÜZ M., ÖZEN M., BAYRAKTAR U. D., İLHAN O., BEKSAÇ M., et al.  
43.ULUSAL HEMATOLOJİ KONGRESİ, Turkey, 1 - 04 November 2017
- XXVI. **From decellularized scaffolds to bioengineered organs**  
ELÇİN Y. M.  
2nd International Conference on Stem Cells, Rodos, Greece, 27 September - 02 October 2017
- XXVII. **EVALUATION OF POLYMERIC MICELLES PREPARED FROM VARIOUS BLOCK COPOLYMERS FOR BRAIN TARGETING : IN VITRO CELLULAR UPTAKE STUDIES**  
Yüksel N., Sezgin Bayındır Z., Ergin A. D., Parmaksız M., Elçin A. E., Elçin Y. M.  
21st International Symposium on Microencapsulation, Faro, Portugal, 27 - 29 September 2017, pp.1
- XXVIII. **Mesenchymal stem cell effects on bone and liver tissue healing in experimental polytrauma rat model**  
KOCA TANRIVERDİ A., POLAT O., ELÇİN A. E., GÜRMAN G., GÜNALP M., Gürler S., GENÇ S., ELÇİN Y. M.  
9 th Mediterranean Emergency Medicine Congress (MEMC), Lizbon, Portugal, 6 - 09 September 2017
- XXIX. **Mössbauer Spectroscopy of Magnetite Nanoparticles for Applications in Biotechnology and Biomedicine**  
DÖNMEZ GÜNGÜNEŞ Ç., ŞEKER Ş., ELÇİN A. E., GÜNGÜNEŞ H., ELÇİN Y. M.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), 26 - 29 August 2017
- XXX. **Encapsulation and osteogenic differentiation of human periodontal ligament fibroblasts in PRP/hydroxyapatite microbeads**  
ŞEKER Ş., ELÇİN A. E., ELÇİN Y. M.  
European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017, Davos, Switzerland, 26 - 30 June 2017
- XXXI. **Myocardial differentiation of human adipose stem cells on elastin surfaces**  
DOĞAN A., ELÇİN A. E., ELÇİN Y. M.  
TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017
- XXXII. **Comparative evaluation of adipogenesis of human adipose stem cells in microgravity and gravity culture conditions**  
SUBAK E., ELÇİN A. E., ELÇİN Y. M.  
TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017
- XXXIII. **Development of decellularized somatic and multipotent cell culture-derived extracellular matrices for regenerative applications**  
PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.  
TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017
- XXXIV. **MicroRNA expression of osteogenically differentiated human adipose stem cells under hypoxic and normoxic culture conditions**  
ELÇİN A. E., ÇELİKAĞ O., ELÇİN Y. M.  
TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017
- XXXV. **Development of novel electroactive biomaterials based on poly(aniline) nanotubes and poly( $\epsilon$ -caprolactone)**

LALEGÜL Ö., ELÇİN A. E., ELÇİN Y. M.

TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017

XXXVI. **Assessment of injectable myocardial matrix derived from decellularized bovine cardiac tissue for mesenchymal stem cell culture**

ERCAN H., ELÇİN A. E., ELÇİN Y. M.

TERMIS-EU 2017 (European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society 2017), DAVOS, Switzerland, 26 - 30 June 2017

XXXVII. **Organ-on-a-Chip Systems for Personalized Medicine**

Elçin Y. M.

2017 ETCMOS Conference, Warszawa, Poland, 28 - 30 May 2017, pp.15

XXXVIII. **Isolation and Culture of Good Manufacturing Practice Grade Human Bone Marrow Derived Mesenchymal Stem Cells for Clinical Applications.**

Şeker Ş., Elçin Y. M., Elçin A. E.

22th International Biomedical Science & Technology Symposium (BIOMED 22), Ankara, Turkey, 12 - 14 May 2017, pp.1

XXXIX. **Functional Organs-on-Chips and 3D-Bioprinting for Personalized Medicine**

ELÇİN Y. M.

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

XL. **Osteogenic Coatings of Hydroxyapatite and Strontium Ranelate for Titanium Implant**

VURAT M. T., ELÇİN A. E., ELÇİN Y. M.

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

XLI. **Osteogenic Differentiation of Mesenchymal Stem Cells on Silk/Reduced Graphene Oxide Nanofibers**

NALVURAN H., ELÇİN A. E., ELÇİN Y. M.

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

XLII. **Development of Magnetic Silk Fibroin Nanofibers for Regenerative Medicine Applications**

LALEGÜL Ö., ELÇİN A. E., ELÇİN Y. M.

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

XLIII. **Evaluating the efficiency of decellularization protocols for cell culture derived ECM**

PARMAKSIZ M., ELÇİN A. E., ELÇİN Y. M.

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

XLIV. **Effects of Platelet Rich Plasma on the Proliferation and Differentiation of Adipose Stem Cells**

ŞEKER Ş., ELÇİN A. E., ELÇİN Y. M.

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

XLV. **Isolation And Culture Of Good Manufacturing Practice Grade Human Bone Marrow Derived Mesenchymal Stem Cells For Clinical Applications**

ELÇİN A. E., Şeker Ş., BAYDIN P., DALVA K., PARMAKSIZ M., LALEGÜL Ö., ÇUBUKÇUOĞLU DENİZ G., ELHAN A. H., GÜRMAN G., ARSLAN Ö., et al.

22nd International Symposium on Biomedical Science & Engineering BIOMED, Ankara, Turkey, 12 May 2017

XLVI. **Multi-Responsive Galactosylated Chitosan-g-PNVC Hydrogels for Drug Delivery and Tissue Engineering**

DURKUT S., ELÇİN A. E., ELÇİN Y. M.

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

XLVII. **Montmorillonite/Gelatin/Chitosan Composites Containing Magnesium for Bone TERM Applications**

KOÇ A., ELÇİN A. E., ELÇİN Y. M.

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

**XLVIII. In-Vivo Evaluation of Decellularized Bovine Cardiac Tissue as an Injectable Scaffold**

ERCAN H., ELÇİN A. E., ELÇİN Y. M.

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

**XLIX. Determination of the Stability of Standard Reference Genes of Mesenchymal Stem Cells during In-Vitro Expansion and Differentiation**

AYANOĞLU F. B., ELÇİN Y. M., ELÇİN A. E.

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

**L. Development of Biomimetic Microcarriers for the Cardiovascular Differentiation of Human Adipose Stem Cells Under Microgravity Conditions**

DOĞAN A., ELÇİN A. E., ELÇİN Y. M.

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

**LI. Effects Of Intraperitoneal And Intravenous Mesenchymal Stem Cells On Inflammatory Response And Bone Liver Tissue Healing In Experimental Polytrauma Rat Model**

KOCA A., POLAT O., ELÇİN Y. M., GÜRMAN G., GÜNALP M., GÜRLER S., GENÇ S.

5th Eurasian Congress on Emergency Medicine & 12th Turkish Emergency Medicine Congress, Antalya, Turkey, 10 - 13 November 2016

**LII. Rheological properties of thermoresponsive poly N vinyl caprolactam g collagen hydrogel**

Durkut S., Elçin A. E., Elçin Y. M.

ICPC 2016: 18th International Conference on Polymer Chemistry, Paris, France, 24 - 25 October 2016

**LIII. Nanotechnology applications in regenerative medicine**

Elçin Y. M.

Nanotec 2016, Valencia, Spain, 26 - 27 September 2016

**LIV. In vitro adipogenic differentiation of human adipose stem cells under simulated microgravity**

Elçin Y. M., Subak E., Şeker Ş., Elçin A. E.

ISSCR 2016 - International Society for Stem Cell Research Annual Meeting, California, United States Of America, 22 - 25 June 2016

**LV. Osteogenic nanocoatings based on polycaprolactone nanohydroxyapatite and strontium ranelate for orthopaedic titanium implant applications**

Vurat M. T., Elçin Y. M.

12th International Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016

**LVI. Nanofibrous silk fibroin reduced graphene oxide scaffolds for tissue engineering and cell culture applications**

Nalvuran H., Elçin Y. M.

12th International Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016

**LVII. Mesenchymal stem cell directed baculoviral gene therapy of colon cancer.**

Akbulut H., Aktas S. H., Elçin A. E., Parmaksız M., Keskin A. A., Cihan A. C., Elçin Y. M., Icli F.

Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO), Illinois, United States Of America, 3 - 07 June 2016, vol.34

**LVIII. Cytotoxicity of various micelle forming copolymers on brain cell line**

Sezgin Bayındır Z., Ergin A. D., Parmaksız M., Elçin A. E., Elçin Y. M.

EUFEPS (European Federation for Pharmaceutical Sciences) Annual Meeting, Geneva, Switzerland, 15 - 17 June 2015, pp.36

**LIX. Adipose stem cells and biomimetic scaffolds for orthopaedic tissue engineering**

Elçin Y. M.

INTERNATIONAL CONFERENCE REDEOR, Venice, Italy, 25 - 27 March 2015, pp.84

- LX. **Nanotoxicity of SnO<sub>2</sub> and ZnO Nanoparticles in Human Periodontal Ligament Fibroblast and Mouse Dermal Fibroblast Cells.**  
Şeker Ş., Elçin A. E., Yumak T., Sınağ A., Elçin Y. M.  
19th International Biomedical Science & Technology Symposium (BIOMED XIX), İzmir, Turkey, 12 - 15 November 2013, pp.30
- LXI. **Encapsulation of primary rat liver co-cultures in chitosan spheres: in vitro preliminary findings**  
DURKUT S., ELÇİN Y. M., ELÇİN A. E.  
Xth International Symposium on Biomedical Science Technology (BIOMED X), Girne, Cyprus (Kkct), 10 - 12 October 2003
- LXII. **Chitosan / Organoclay Composite Scaffolds for Bone Tissue Engineering**  
KOÇ DEMİR A., UZUN S., ELÇİN Y. M.  
TERMIS 2013, 17 - 20 June 2013
- LXIII. **Encapsulation of Human 12 Adipose Mesenchymal Stem Cells in Fibrin Microbeads from Platelet Rich Plasma and Their In Vitro Evaluation.**  
Lalegül Ülker Ö., Şeker Ş., Elçin A. E., Gürman G., Elçin Y. M.  
3rd World Congress of the Tissue Engineering & Regenerative Medicine International Society (TERMIS), Vienna, Austria, 5 - 08 September 2012, pp.160
- LXIV. **Regenerative and Angiogenic Capacity of Rat Bone Marrow MSCs Encapsulated in Fibrin Microbeads in a Rat Muscle Injury Model: Preliminary Study.**  
Şeker Ş., Lalegül Ülker Ö., Elçin A. E., Gürman G., Elçin Y. M.  
3rd World Congress of the Tissue Engineering & Regenerative Medicine International Society (TERMIS), Vienna, Austria, 5 - 08 September 2012, pp.158
- LXV. **Preparation of bovine small intestinal submucosa and application as a wound dressing alone or seeded with mesenchymal stem cells in a full thickness rat skin defect**  
PARMAKSIZ M., ARSLAN Y. E., ELÇİN A. E., ELÇİN Y. M.  
JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, 01 September 2012
- LXVI. **Cytotoxic Effects of Metal and Carbon Nanoparticles In Vitro.**  
Güngüneş Ç. D., Şeker Ş., Elçin A. E., Elçin Y. M.  
17th International Biomedical Science & Technology Symposium (BIOMED XVII), Ankara, Turkey, 23 - 25 November 2011, pp.33
- LXVII. **Fibrin Microbeads Using Platelet Rich Plasma for Encapsulation of Mesenchymal Stem Cells.**  
Lalegül Ülker Ö., Şeker Ş., Elçin A. E., Gürman G., Elçin Y. M.  
17th International Biomedical Science & Technology Symposium (BIOMED XVII), Ankara, Turkey, 23 - 25 November 2011, pp.1
- LXVIII. **Real-Time Detection of Mesenchymal Stem Cell Responses to Anti-Microtubule Drugs Using Quartz Crystal Microbalance Cell Biosensor.**  
Şeker Ş., Elçin A. E., Elçin Y. M.  
17th International Biomedical Science & Technology Symposium (BIOMED XVII), Ankara, Turkey, 23 - 25 November 2011, pp.1
- LXIX. **Decellularized Bovine Small Intestinal Submucosa as a Regenerative Matrix Application in Wound Healing with BM MSCs**  
PARMAKSIZ M., ARSLAN Y. E., ELÇİN A. E., ELÇİN Y. M.  
17th International Symposium on Biomedical Science and Technology" (BIOMED 2011), 23 November 2011
- LXX. **Effect of Mouse Embryonic Fibroblast-Conditioned Medium on Human Adipose-Derived Mesenchymal Stem Cells.**  
Kurman Y., Şeker Ş., Ercan H., Elçin A. E., Elçin Y. M.  
17th International Biomedical Science & Technology Symposium (BIOMED XVII), Ankara, Turkey, 23 - 25 November 2011, pp.1
- LXXI. **Thermoresponsive Poly(N-Vinylcaprolactam)-g-Galactosylated Chitosan: Synthesis and Characterization**  
DURKUT S., ELÇİN Y. M., ELÇİN A. E.

17th International Symposium on Biomedical Science and Technology, 23 - 25 November 2011

- LXXII. **Evaluation of Hyaluronic Acid-Based Scaffolds for Cartilage Tissue Engineering**  
Demirdögen B., Koç A., Elçin A. E., Elçin Y. M.  
BIOMED2011, Ankara, Turkey, 23 - 25 November 2011
- LXXIII. **Multi-Spiral Nanofibrous Poly(Caprolactone)/ $\beta$ -TCP Scaffold for Bone Tissue Engineering Using BM-MSCs: In Vitro and In Vivo Studies.**  
Baykan E., Koç A., Elçin A. E., Elçin Y. M.  
BIOMED2011, Ankara, Turkey, 23 - 25 November 2011
- LXXIV. **Thermoresponsive Poly(N-Vinylcaprolactam) Based Hydrogels: In Vitro And In Vivo Studies.**  
Durkut S., Elçin A. E., Elçin Y. M.  
The 17th Biomedical Science and Technology Symposium (Biomed 2011), Ankara, Turkey, 23 - 25 November 2011
- LXXV. **Tissue Regeneration Observed in MSC-Carrying Nanofibrous Sheets in Rat Limb Ischemia Model**  
DURDU M. S., ARSLAN Y. E., KOÇ DEMİR A., ELÇİN A. E., ELÇİN Y. M.  
BIOMED2011, 23 - 26 November 2011
- LXXVI. **In Vitro Generation of Bone-Like Tissue From Adipose-Derived Stem Cells Under Mechanotransduction**  
Koç A., Elçin Y. M., Elçin A. E., Baykan E., İbşiroğlu T.  
BIOMED2011, Ankara, Turkey, 23 - 25 November 2011
- LXXVII. **Evaluation Of The In Vivo Properties Of Adenoviral VEGF-Activated Chitosan-Hydroxyapatite Scaffold**  
KOÇ DEMİR A., ELÇİN A. E., ELÇİN Y. M.  
BIOMED2011, 23 - 25 November 2011
- LXXVIII. **Decellularized Bovine SIS Hydroxyapatite Composite Multilayers for Hard Tissue Repair**  
PARMAKSIZ M., ARSLAN Y. E., ELÇİN A. E., ELÇİN Y. M.  
17th International Symposium on Biomedical Science and Technology" (BIOMED 2011), 23 November 2011
- LXXIX. **In Vitro Cytotoxicity of Metal Oxide Nanoparticles on Mesenchymal Stem Cells.**  
Şeker Ş., Yumak T., Sınağ A., Elçin Y. M.  
7th Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 27 June - 01 July 2011, pp.1
- LXXX. **Thermoresponsive Poly(N-vinylcaprolactam)-g-Collagen: Synthesis, characterization, in vitro cytotoxicity and in vivo biocompatibility evaluation.**  
Durkut S., Elçin Y. M.  
TERMIS EU 2011 Annual Meeting. Tissue Engineering Regenerative Medicine International Society, Granada, Spain, 7 - 10 June 2011
- LXXXI. **Multi-Spiral Poly(Caprolactone)/  $\beta$  -TCP Nanofibrous Scaffold For Bone Tissue Engineering: In-Vitro and In-Vivo Studies. TERMIS 2011, Spain.**  
Baykan E., Koç Demir A., Elçin A. E., Elçin Y. M.  
TERMIS2011, Granada, Spain, 7 - 10 June 2011
- LXXXII. **Release of Lidocaine From Thermoresponsive Poly(N-vinylcaprolactam)-Based Biopolymers.**  
Durkut S., Elçin Y. M.  
The 11th International Chemistry Conference and Exhibition in Africa (11 ICCA), Al-Kharijah, Egypt, 20 - 23 November 2010
- LXXXIII. **Detection of Mesenchymal Stem Cell Response to Microtubule Binding Drugs by Using QCM Cell Biosensor**  
Şeker Ş., Elçin A. E., Elçin Y. M.  
XVIth International Biomedical Science & Technology Symposium (BIOMED XVI), İstanbul, Turkey, 29 September - 01 October 2010, pp.1
- LXXXIV. **Osteogenic Differentiation of MC3T3-E1 Cells on Gelatin-Chitosan-Hydroxyapatite Scaffolds'**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2010, İstanbul, Turkey, 28 September - 02 October 2010
- LXXXV. **Evaluation of Collagen/Hydroxyapatite Membranes for Use as Substrate for Periodontal Ligament and Osteoprogenitor Cells**

Aktaş Z., Koç Demir A., Arslan Y. E., Elçin A. E., Elçin Y. M.

BIOMED2010, İstanbul, Turkey, 28 September - 02 October 2010

- LXXXVI. **Bone Marrow-MSCs Form Ectopic Bone on Nanofibrous Poly( $\epsilon$ -caprolactone)- $\beta$ -TCP Multi-Spiral Scaffold: One Year In Vivo Follow-Up Study**  
Baykan E., Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2010, İstanbul, Turkey, 28 September - 02 October 2010
- LXXXVII. **Adipose-Derived Mesenchymal Stem Cells from Abdominal and Mammary Sites: Comparison of Differentiation and Immunophenotypical Characteristics**  
İbşiroğlu T., Elçin A. E., Koç Demir A., Uçkan D., Elçin Y. M.  
BIOMED2010, İstanbul, Turkey, 28 September - 02 October 2010
- LXXXVIII. **Sıcaklığa Duyarlı Poli(N-Vinilkaprolaktam)-Temelli Biyopolimerlerin Sentezi ve Karakterizasyonu**  
Durkut S., Elçin Y. M.  
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- LXXXIX. **In vitro osteogenic differentiation of human adipose-derived mesenchymal stem cells on nanofibrous PCL/  $\beta$ -TCP composite scaffold**  
Elçin A. E., İbşirlioğlu T., Baykan E., Arslan Y. E., Koç Demir A., Elçin Y. M.  
VIth Annual Meeting of the ISSCR-International Society for Stem Cell Research, California, United States Of America, 16 - 19 June 2010
- XC. **MC3T3-E1 Cells-Seeded Chitosan-Hydroxyapatite Sponge Promotes Bone Formation at Extraskeletal Site in Rats**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2009, Güzelyurt, Cyprus (Kkct), 16 - 19 August 2009
- XCI. **Nanofibrous Poly( $\epsilon$ -caprolactone)- $\beta$ -Tricalcium phosphate Composite Membranes: Optimisation and Mesenchymal Stem Cell Interaction Studies**  
Baykan E., Arslan Y. E., Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2009, Güzelyurt, Cyprus (Kkct), 16 - 19 August 2009
- XCII. **Real-Time Monitoring of Mesenchymal Stem Cell Adhesion onto Substrates by Using Quartz Crystal Microbalance.**  
Şeker Ş., Elçin A. E., Elçin Y. M.  
XVth International Biomedical Science & Technology Symposium (BIOMED XV), Girne, Cyprus (Kkct), 16 - 19 August 2009, pp.50
- XCIII. **Rat articular cartilage engineering using alginate fibers under microgravity conditions**  
Emin N., Elçin A. E., Elçin Y. M.  
IEEE 35th Annual Northeast Bioengineering Conference, NEBEC 2009, Boston, MA, United States Of America, 3 - 05 April 2009
- XCIV. **Development of a QCM genosensor for the determination of alpha-fetoprotein mRNA**  
Şeker Ş., Elçin A. E., Elçin Y. M.  
XIIIth Biomedical Science & Technology Symposium (BIOMED XIII), İstanbul, Turkey, 26 - 28 August 2007, pp.1
- XCV. **Electrospun PLGA nanofiber membranes as substrate for human periodontal ligament fibroblasts.**  
Arslan Y. E., İnanç B., Şeker Ş., Elçin A. E., Elçin Y. M.  
XIIIth Biomedical Science & Technology Symposium (BIOMED XIII), İstanbul, Turkey, 26 - 28 August 2007, pp.1
- XCVI. **Utilization of a Microgravity Bioreactor for Culturing Encapsulated Rat Primary Hepatocytes: Evaluation of Metabolic Function and Encapsulation**  
Durkut S., Elçin A. E., Elçin Y. M.  
XIIIth International Biomedical Science Technology Symposium (BIOMED 2007), İstanbul, Turkey, 26 - 28 August 2007
- XCVII. **In Vitro Osteogenic Differentiation of MC3T3-E1 Cells on Chitosan/Hydroxyapatite Sponges**  
Koç Demir A., Finkenzeller G., Stark B., Elçin Y. M.  
BIOMED2007, İstanbul, Turkey, 26 - 28 August 2007
- XCVIII. **Adenoviral VEGF Gene Therapy for Bone Tissue Engineering Using Chitosan/Hydroxyapatite Sponges**

Koç Demir A., Finkenzeller G., Stark B., Elçin Y. M.  
BIOMED2007, İstanbul, Turkey, 26 - 28 August 2007

- XCIX. **Engineering of periodontal tissues**  
Elçin Y. M., İnanç B., Elçin A. E., Arslan Y. E., Şeker Ş.  
Stem Cells and Tissue Engineering Symposium of Plastic, Reconstructive and Aesthetic Surgery, Samsun, Turkey, 10 - 12 May 2007, pp.1
- C. **Evaluation of the In Vitro and In Vivo Properties of Composite Hydroxyapatite/Chitosan Microspheres**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2005, İzmir, Turkey, 20 - 23 September 2005
- CI. **Influence of cryopreservation and encapsulation on the survival and metabolic function of primary rat hepatocytes**  
Durkut S., Elçin A. E., Elçin Y. M.  
XIth Biomedical Science Technology Symposium (BIOMED XII), İzmir, Turkey, 20 - 23 September 2005
- CII. **Evaluation of a piezoelectric crystal membrane sensor based on fullerene C60**  
Şeker Ş., Nazır H., Elçin Y. M.  
XIth Biomedical Science & Technology Symposium (BIOMED XI), Ankara, Turkey, 6 - 10 September 2004, pp.1
- CIII. **Encapsulation of Rat Mesenchymal Stem Cells in Chitosan-Hydroxyapatite Microspheres for Bone Formation**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2004, Ankara, Turkey, 6 - 10 September 2004
- CIV. **In Vitro Osteogenic Differentiation of Rat Mesenchymal Stem Cells on Mineralized Poly(DL-Lactic-co-Glycolic Acid) Scaffolds in a STLV Microgravity Bioreactor**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2004, Ankara, Turkey, 6 - 10 September 2004
- CV. **Encapsulation of primary rat hepatocytes in a trilayered alginate-chitosan-alginate membrane system.**  
Durkut S., Elçin A. E., Elçin Y. M.  
XIth Biomedical Science Technology Symposium (BIOMED XI), Ankara, Turkey, 6 - 10 September 2004
- CVI. **Encapsulation and Osteoinduction of Human Periodontal Ligament Fibroblasts in Chitosan-Hydroxyapatite Microspheres**  
İnanç B., Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2004, Ankara, Turkey, 6 - 10 September 2004
- CVII. **Modified Carboxymethylcellulose–Poly(vinyl alcohol) Membranes as Cell Substrates for Primary Rat Hepatocytes**  
Koç Demir A., Elçin A. E., Elçin Y. M.  
BIOMED2003, İzmir, Turkey, 10 - 12 October 2003
- CVIII. **Biocompatibility and biodegradability of microspheres based on chitosan hydrogels: in vitro and in vivo studies**  
DURKUT S., ELÇİN Y. M., ELÇİN A. E.  
IXth International Symp. on Biomedical Science Technology (BIOMED IX), Antalya, Turkey, 19 - 22 September 2002
- CIX. **Biocompatibility, Biodegradability and Surface Properties of Modified Carboxymethylcellulose Hydrogels**  
Koç Demir A., Elçin A. E., Tan E., Elçin Y. M.  
BIOMED2002, Antalya, Turkey, 19 - 22 September 2002
- CX. **Formation of vessel-like structures from human embryonic stem cells in culture: preliminary findings**  
Durkut S., Elçin Y. M., Elçin A. E., Koç Demir A.  
IXth International Symposium on Biomedical Science Technology, Antalya, Turkey, 19 - 22 September 2002
- CXI. **Formation of Vessel-like Structures from Human Embryonic Stem Cells in Culture: Preliminary Finding**



Elçin A. E., Polat G., Oğuz Ö., Durkut S., Koç Demir A., Kormalı T., Akbulak G., Çoşkun H., Elçin Y. M.  
BIOMED2002, Antalya, Turkey, 19 - 22 September 2002

- CXII. **Glucose oxidase immobilization in chitosan microspheres: evaluation of optimization parameters and enzyme kinetics**  
Durkut S., Elçin Y. M.  
IXth International Symposium on Biomedical Science Technology (BIOMED IX), Antalya, Turkey, 19 - 22 September 2002
- CXIII. **Evaluation of macroporous ethyl- and acetyl-cellulose sponges for tissue engineering applications**  
Elçin A. E., Durkut S., Elçin Y. M.  
Second Smith and Nephew International Symposium - Tissue Engineering 2000: Advances in Tissue Engineering, Biomaterials and Cell Signalling, York, United Kingdom, 16 - 19 July 2000, pp.7
- CXIV. **Functional characteristics of bovine adrenal chromaffin cells on 3D- P1ga scaffolds: Implications for tissue engineering**  
Elçin Y. M., Elçin A. E., Pappas G. D.  
Second Smith and Nephew International Symposium - Tissue Engineering 2000: Advances in Tissue Engineering, Biomaterials and Cell Signalling, York, United Kingdom, 16 - 19 July 2000, pp.98
- CXV. **Creation of a neovascularized transplantation site by endothelial cell growth factor releasing polymer sponge in rats: Implications for tissue engineering**  
Elçin Y. M., Elçin A. E., Dixit V.  
Second Smith and Nephew International Symposium - Tissue Engineering 2000: Advances in Tissue Engineering, Biomaterials and Cell Signalling, York, United Kingdom, 16 - 19 July 2000, pp.20
- CXVI. **Tissue engineering of liver**  
Elçin Y. M.  
4th International Symposium on Biomedical Science and Technology (BIOMED 4), İstanbul, Turkey, 15 - 17 September 1997, pp.109-116
- CXVII. **Alginate encapsulation of Bacillus thuringiensis subsp. israelensis for control of mosquito larvae**  
Elçin Y. M.  
IIIrd European Symposium of Controlled Drug Delivery, Leiden, Netherlands, 4 - 06 April 1994, pp.129-130

## Supported Projects

---

- I. Elçin Y. M., Elçin A. E., Parmaksız M., TÜBİTAK Project, 123Z794, Dinamik Kovalent Bağ Oluşumu-Aracılı, Arayüz Etkileşimine Dayalı, Kendini Onarabilen Enjektelerde Edilebilir Nanokompozit Hidrojellerin Geliştirilmesi ve Sistematik Değerlendirilmesi, 2023 - 2025
- II. Elçin Y. M., Kansız S., Parmaksız M., Elçin A. E., Vurat M. T., Büyüksungur A., Project Supported by Higher Education Institutions, Osteokondral Doku Mühendisliğinde Kullanıma Yönelik Kompozit Biyomürekkeplerinin Hazırlanması ve Üç-Boyutlu Basımının Optimizasyonu, 2023 - 2024
- III. Elçin Y. M., Elçin A. E., Technopark, Elastik Özellikte Rejeneratif Biyogreft Geliştirilmesi (Ek), 2023 - 2023
- IV. Elçin Y. M., Elçin A. E., Technopark, Elastik Özellikte Rejeneratif Biyogreft Geliştirilmesi, 2022 - 2022
- V. Elçin Y. M., Elçin A. E., TÜBİTAK - AB COST Project, 119N136, Development of micro-patterned and micro-porous composite scaffolds based on poly( $\epsilon$ -caprolactone), hydroxyapatite and reduced graphene oxide using the phase separation techniques for hard tissue repair, 2020 - 2022
- VI. Elçin Y. M., Elçin A. E., Technopark, Biyoaktif Hidrojellerin Geliştirilmesi, 2020 - 2021
- VII. Elçin Y. M., TÜBİTAK Project, 119M663, Poli(anilin)-Temelli, Silika Kaplı MNP Katkılanmış Elektromanyetik Nanokompozitlerin Biyomalzeme Uygulamalarına Yönelik Olarak Geliştirilmesi, 2019 - 2020
- VIII. Elçin Y. M., TÜBİTAK Project, 216S575, Manyetik Duyarlı Biyoaktif Doğal Kemik Matriksi Temelli Nanokompozit Biyomalzeme Geliştirilmesi ve In-Vivo Etkinliğinin Küçük Hayvan Modelinde İncelenmesi, 2017 - 2020
- IX. Elçin Y. M., TÜBİTAK - AB COST Project, 117M281, Üç-Boyutlu Biyobasım ile Canlı Perio/Osteo Mikroakışkan Doku Çip Sisteminin Geliştirilmesi ve Model İlaç Etkileşiminin İncelenmesi, 2017 - 2020

- X. Elçin Y. M., Elçin A. E., Technopark, Manyetik Duyarlı Biyoaktif Doğal Kemik Matriksi Temelli Nanokompozit Biyomalzeme Geliştirilmesi ve In-Vivo Etkinliğinin Küçük Hayvan Modelinde İncelenmesi, 2018 - 2019
- XI. Elçin Y. M., Project Supported by Higher Education Institutions, 17L0430005, Mikroyerçekim Biyoreaktöründe Adipoz Kök Hücrelerden Kardiyak Hücrelerin Üretilmesi, 2017 - 2018
- XII. Elçin Y. M., Elçin A. E., Dalva K., TÜBİTAK - AB COST Project, 214M159, Efficacy Evaluation of Pluripotent, Multipotent and Somatic Cell Culture-Derived Extracellular Matrix as Natural Niche and as Biomimetic Component in Tissue Engineering Scaffold , 2015 - 2018
- XIII. Elçin Y. M., Elçin A. E., TUBİTAK Project, 215M338, Evaluation of the Potential Use of Decellularized Bovine Small Intestinal Submucosa and Hydroxylapatite Based Composite Biomaterial for Bone Tissue Engineering, 2016 - 2017
- XIV. Elçin Y. M., Project Supported by Higher Education Institutions, 15L0216001, İnsan Adipoz Kökenli Mezenkimal Kök Hücrelerin Mikroyerçekimi ve Yerçekimi Şartlarında Adipojenik Farklaşmasının Karşılaştırmalı Olarak İncelenmesi, 2015 - 2016
- XV. Elçin Y. M., Parmaksız M., Dalva K., Elçin A. E., Project Supported by Higher Education Institutions, 14B0216001, İnsan adipoz kaynaklı mezenkimal kök hücrelerin damar düz kas hücrelerine farklılaşmasının moleküler düzeyde incelenmesi, 2014 - 2016
- XVI. Elçin Y. M., Sezgin Bayındır Z., Yüksel N., TUBİTAK Project, Hamilelikte Emniyetli İlaç Kullanımının Sağlanmasına Yönelik Olarak İlaç Taşıyıcı Sistemlerin İncelenmesi, 2013 - 2016
- XVII. Elçin Y. M., Project Supported by Higher Education Institutions, 12A0216001, Ankara Üniversitesi Kök Hücre Enstitüsü Altyapısının Geliştirilmesi, 2013 - 2015
- XVIII. Koç Demir A., Elçin Y. M., Elçin A. E., EU Supported Other Project, 111S497, Nanoyapılı Jellerde Adipoz Mezenkimal Kök Hücre Farklaşmasının İncelenmesi, 2011 - 2015
- XIX. Elçin Y. M., Beşaltı Ö., Elçin A. E., TUBİTAK Project, 1110428, Köpeklerde Omurilik Travmalarında Mezenşimal Kök Hücre Kullanımı Üzerine Klinik Çalışmalar, 2011 - 2015
- XX. Elçin Y. M., Technopark, Kemik Doku Yenilenmesi için Yeni Nesil Biyomalzemelerin Geliştirilmesi, 2013 - 2014
- XXI. Elçin Y. M., Akbulut H., TUBİTAK Project, 111S241, Kanser Tedavisinde Mezenkimal Kök Hücre Aracılı İntihar Gen Tedavisi, 2011 - 2014
- XXII. Elçin Y. M., TÜBİTAK - AB COST Project, 111M336, Adipoz Mezenkimal Kök Hücrelerle Mekanoaktif Damar Mühendisliği, 2011 - 2013
- XXIII. Elçin Y. M., Project Supported by Higher Education Institutions, 10A0216001, Ankara Üniversitesi Kök Hücre Enstitüsü Altyapısının Oluşturulması, 2011 - 2013
- XXIV. Elçin Y. M., TÜBİTAK - AB COST Project, 108M501, İşlevsel Kemik Doku Mühendisliği Mekanotransdüksiyon Etkisindeki Adipoz Kökenli Kök Hücrelerden Yeni Kemik Dokusu Geliştirilmesi, 2009 - 2012
- XXV. Elçin Y. M., TUBİTAK Project, 106M373, Elektroegirme Tekniğiyle Hazırlanmış Polimer Nanolif İskeleler Üzerinde Periodontal Ligament Fibroblast Tabakalarının Oluşturulması ve Yeni Doku Tabakalarının Karakterizasyonu, 2007 - 2009
- XXVI. Elçin Y. M., Binnet M. S., Başarır K., Emin N., Project Supported by Higher Education Institutions, 2005/130, Travmatik Kıkırdak Kayıplarının Tedavisinde Otolog Kondrosit Transplantasyon Etkinliğinin İncelenmesi, 2005 - 2008
- XXVII. Elçin Y. M., Project Supported by Higher Education Institutions, 2005/169, Tütün Mozaik Virüsünün Kalıp Etkisiyle Potansiyel Biyosensör Uygulamalarına Yönelik Fulleren Nanokabloların Hazırlanması, 2005 - 2007
- XXVIII. Elçin Y. M., Project Supported by Higher Education Institutions, 2003/97, İnsan Embriyonik Kök Hücrelerinin In Vitro Ortamda Osteojenik Hücelere Farklaştırılması, 2003 - 2007
- XXIX. Elçin Y. M., Emin N., Project Supported by Higher Education Institutions, 2005/153, İzole Edilmiş Sıçan Kondrositleri ve Polimerik Biyomalzemelerin Kullanımıyla Kıkırdak Doku Mühendisliği, 2005 - 2006
- XXX. Elçin Y. M., TUBİTAK Project, 103T159, İnsan Embriyonik Kök Hücrelerinin İki ve Üç Boyutlu Kültür Ortamlarındaki Farklaşma Paternlerine NGF ve Retinoik Asidin Etkilerinin İncelenmesi, 2004 - 2006
- XXXI. Elçin Y. M., Project Supported by Higher Education Institutions, 2004/152, Piezoelektrik Kuartz Mikrobale Sistemine Dayalı Glikonik Asit Biyosensörünün Geliştirilmesi, 2004 - 2005
- XXXII. Elçin Y. M., Project Supported by Higher Education Institutions, 2004/144, Sıçan Pankreatik Adacıklarının In Vitro Kültürdeki Canlılığına ve Glukoza Cevap Fonksiyonuna Enkapsülasyonun ve VEGF nin Etkilerinin İncelenmesi, 2004 - 2005

- XXXIII. Elçin Y. M., Project Supported by Higher Education Institutions, 2002/26, Karaciğer Doku Mühendisliği Organoidlerin Canlılık ve Metabolik Aktivite Çalışmaları, 2002 - 2004
- XXXIV. Elçin Y. M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, 98K120760, Biyoyıkılır Polimerlerin Doku Mühendisliğinde Kullanımı Biyoyapay Karaciğer Organoidi Geliştirilmesi, 1998 - 2002
- XXXV. Elçin Y. M., Project Supported by Higher Education Institutions, 97050405, Nöral Doku Mühendisliği Biyoyıkılır Polimerik Hücre Substratlarının Ratlarda Kromafin Hücre Canlılığı ve Entegrasyonuna Etkisi, 1997 - 2000
- XXXVI. Elçin Y. M., TUBITAK Project, 194T083, Karboksimetilselüloz Kitosan Alginat Mikrokapsüllerin Üreaz İmmobilizasyonunda Kullanımı, 1995 - 1996
- XXXVII. Elçin Y. M., Project Supported by Higher Education Institutions, 94050301, Mikrokapsüllerin Biyomedikal Kullanımları Reaktif Mikrokürelerin Hazırlanması, 1994 - 1996

## Patent

---

- I. Elçin Y. M., Matrisis, Trademark, CHAPTER A Human Needs, The Invention Registration Number: 2019 23270 , Standard Registration, 2019
- II. Elçin Y. M., Hemagraft, Trademark, CHAPTER A Human Needs, The Invention Registration Number: 2018 94126 , Standard Registration, 2019
- III. Elçin A. E., Elçin Y. M., Odabaş S., Bir hücrelerarası matriks malzemesi., Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2014/16111 B , Standard Registration, 2018
- IV. Elçin Y. M., Füzyonu arttıran osteojenik ve biyoyumlu malzeme dolgulu kemik plaka ve vida sistemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2014 10238 B , Standard Registration, 2017
- V. Elçin Y. M., Parmaksız M., Elçin A. E., Sığır kaynaklı rejeneratif biyomalzeme, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2013/14952 B , Standard Registration, 2017
- VI. Şeker Ş., Elçin Y. M., Trombositten Zengin Plazma, Alginat ve Trombin Kullanılarak Fibrin Mikrokürelerin Hazırlanması Yöntem, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2012/01068 B , Standard Registration, 2016
- VII. Elçin Y. M., Elçin A. E., Şeker Ş., Lalegül Ülker Ö., Trombositten zengin plazma kaynaklı biyomalzeme ve üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2012/01068 , Standard Registration, 2016
- VIII. Elçin Y. M., Biovalda, Trademark, CHAPTER A Human Needs, The Invention Registration Number: 2014 10674 , Standard Registration, 2015
- IX. Elçin Y. M., Elçin A. E., Sert veya Yumuşak Doku Mühendisliği Uygulamaları İçin Makro ve/veya Mikro Gözenekli Matriks Yapıların Geliştirilmesi, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2012 01600 B , Standard Registration, 2015

## Activities in Scientific Journals

---

- I. APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY - PART B MOLECULAR BIOTECHNOLOGY, Committee Member, 2021 - Continues
- II. Genes and Diseases, Committee Member, 2021 - Continues
- III. STEM CELL REVIEWS AND REPORTS, Editor, 2017 - Continues
- IV. STEM CELL REVIEWS AND REPORTS, Committee Member, 2009 - Continues
- V. WORLD JOURNAL OF STEM CELLS, Committee Member, 2015 - 2021
- VI. JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE, Committee Member, 2011 - 2021

## Memberships / Tasks in Scientific Organizations

---

- I. Biyomalzeme ve Doku Mühendisliği Derneği, Chairman, 2021 - Continues, Turkey
- II. ISSCR - International Society for Stem Cell Research, Member, 2009 - Continues, United States Of America
- III. Biyomalzeme ve Doku Mühendisliği Derneği, Board Member, 2008 - Continues, Turkey
- IV. UNESCO Türkiye Millî Komisyonu Biyoetik İhtisas Komitesi, Member of Science Committee, 2014 - 2018, Turkey
- V. Türkiye Bilimler Akademisi, Associate Member, 2008 - 2017, Turkey
- VI. UNESCO Türkiye Millî Komisyonu Doğa Bilimleri İhtisas Komitesi, Member of Science Committee, 2013 - 2014, Turkey
- VII. EC ERA-Net EuroNanoMed Joint Transnational Call Panel (Nanomedicine), Member of Science Committee, 2009 - 2009, Belgium
- VIII. The University of Toronto Joint Centre for Bioethics Panel (Regenerative Medicine), Member of Science Committee, 2005 - 2005, Canada

## Scientific Consultations

---

- I. Science and Technology Council of Portuguese (FCT, Fundação para a Ciência e a Tecnologia), Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2020 - 2021
- II. ODTÜ Prof. Dr. Mustafa N. PARLAR Eğitim ve Araştırma Vakfı, Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2020 - 2020
- III. ODTÜ Prof. Dr. Mustafa N. PARLAR Eğitim ve Araştırma Vakfı, Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2015 - 2015
- IV. Kanada, Quebec-Flanders; Fonds Recherche Québec-Nature et technologies; Quebec, Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2015 - 2015
- V. European Commission - EuroNanoMed, Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2009 - 2009
- VI. University of Toronto (Expert Panel on Regenerative Medicine), Scientific Consultancy, Ankara University, Biyoteknoloji Enstitüsü, Temel Biyoteknoloji Anabilim Dalı, Turkey, 2005 - 2005
- VII. Kanada NSERC (National Science and Engineering Research Council)), Scientific Consultancy, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey, 2001 - 2001

## Tasks In Event Organizations

---

- I. Elçin Y. M., 28th International Biomedical Science & Technology Symposium, Scientific Congress, Kocaeli, Turkey, Kasım 2024
- II. Elçin Y. M., 4th BioMaH International Conference "Biomaterials and Novel Technologies for Healthcare", Scientific Congress, Rome, Italy, Ekim 2024
- III. Elçin Y. M., 12th World Biomaterials Congress, Scientific Congress, Daegu, South Korea, Mayıs 2024
- IV. Elçin A. E., Elçin Y. M., 27. Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2023), Scientific Congress, Turkey, Ekim 2023
- V. Elçin Y. M., BIOMED 2022 - 26th International Biomedical Science and Technology Symposium, Scientific Congress, Ankara, Turkey, Kasım 2022
- VI. Elçin Y. M., 25. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu (BIOMED 2021), Scientific Congress, Ankara, Turkey, Aralık 2021
- VII. Elçin Y. M., 22nd International Symposium on Biomedical Science & Technology (BIOMED 2017), Scientific Congress, Ankara, Turkey, Mayıs 2017
- VIII. Elçin Y. M., 17th International Symposium on Biomedical Science & Technology (BIOMED 2011), Scientific Congress, Ankara, Turkey, Kasım 2011
- IX. Elçin Y. M., 9th International Symposium on Biomedical Science & Technology (BIOMED 2002), Scientific Congress, Antalya, Turkey, Eylül 2002

## Scientific Research / Working Group Memberships

---

- I. Elcinlab (Doku Mühendisliği, Biyomalzemeler Ve Nanobiyoteknoloji Araştırma Grubu), Ankara University, Türkiye, www.elcinlab.org, 1993 - Continues

## Metrics

---

Publication: 277  
Citation (WoS): 3017  
Citation (Scopus): 3110  
H-Index (WoS): 32  
H-Index (Scopus): 32

## Congress and Symposium Activities

---

- I. 1st International Congress on Biotech Solutions for Sustainability, Invited Speaker, Kocaeli, Turkey, 2024
- II. International Conference on Nanotechnology Applications (NANOTEC2016), Invited Speaker, Valencia, Spain, 2016

## Scholarships

---

- I. Invited Research Associate, Islet Unit, University, 2000 - 2000
- II. UNESCO High Level Research Fellowship, UNESCO, 1998 - 1998
- III. British Council Short Term Research Visit, British Council, 1997 - 1997
- IV. TUBITAK-NATO B2 Post-Doctoral Research Fellowship, TUBITAK, 1995 - 1995

## Awards

---

- I. Elçin Y. M., 2023 Yılı Fen Fakültesi Birincilik Ödülü - Ankara Üniversitesi Ödülleri, Ankara Üniversitesi Rektörlüğü, January 2024
- II. Elçin Y. M., Elçin A. E., Biotechnology and Genome Technology Award - The R&D / Innovation of the Year (Hemagraft/Biovalda Inc.), Doktorclub Awards "Türkiye'nin Sağlık Ödülleri" (65000+ Hekim Üyeli Dijital Platform), December 2019
- III. Elçin Y. M., METU Parlar Foundation Science Award, Orta Doğu Teknik Üniversitesi Prof.Dr. Mustafa Parlar Vakfı, December 2018
- IV. Elçin Y. M., Ankara University Science Award, Ankara Üniversitesi, June 2008
- V. Elçin Y. M., TÜBA Asosiye Üyesi, Türkiye Bilimler Akademisi, June 2008
- VI. Elçin Y. M., Ankara University Science Encouragement Award, Ankara Üniversitesi, June 2004
- VII. Elçin Y. M., TAoS Distinguished Young Scientist Award, Türkiye Bilimler Akademisi, May 2002