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Personal Information

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Address: Hacettepe Üniversitesi Eczacılık Fakültesi Eczacılık Temel Bilimleri Anabilim Dalı

Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Polimer Bilimi Ve Teknolojisi , Turkey 2002 - 2008

Post Graduate, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Kimya , Turkey 1999 - 2001

Under Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Kimya , Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Synthesis and surface modification studies of biomedical polyurethanes to improve long term biocompatibility, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Polimer Bilim Ve Teknoloji (Dr), 2008

Post Graduate, Determination of Lithium in Human Blood Serum By Discrete Nebulization Flame Atomic Emission Spectrometry , Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Periodontoloji A.B.D., 2001

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Basic Sciences of Pharmacy, Chemistry, Physical Chemistry, Polymers and Their Applications, Characterization of Polymers, Polymeric Materials, Medical Applications of Polymers, Surface Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2015 - Continues

Assistant Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2013 - 2015

Expert, Orta Doğu Teknik Üniversitesi, Rektörlük, 2001 - 2013

Advising Theses

AKSOY E. A. , Synthesis characterization and modification of β -tricalcium phosphate based bone supporting systems, Post Graduate, G.ÇİÇEK(Student), 2012

AKSOY E. A. , Preparation and characterization of biodegradable composite systems as hard tissue supports: Bone fillers, bone regeneration membranes and scaffolds, Post Graduate, Ü.AYDEMİR(Student), 2012

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

- I. **Highly fluorinated graphene oxide nanosheets for anticancer linoleic-curcumin conjugate delivery and T2-Weighted magnetic resonance imaging: In vitro and in vivo studies**
Razaghi M., Ramazani A., Khoobi M., Mortezaazadeh T., AKSOY E. A. , Küçükklınc T. T.
Journal of Drug Delivery Science and Technology, vol.60, 2020 (Journal Indexed in SCI Expanded)
- II. **Vancomycin Loaded Gelatin Microspheres Containing Wet Spun Poly(epsilon-caprolactone) Fibers and Films for Osteomyelitis Treatment**
AKSOY E. A. , Yagci B. S. , Manap G., EROĞLU İ., ÖZTÜRK Ş., EKİZOĞLU M., ULUBAYRAM K.
FIBERS AND POLYMERS, vol.20, pp.2236-2246, 2019 (Journal Indexed in SCI)
- III. **Gel network comprising UV crosslinked PLGA-b-PEG-MA nanoparticles for ibuprofen topical delivery**
EROĞLU İ., Gultekinoglu M., BAYRAM C., Erikci A., Ciftci S. Y. , AKSOY E. A. , ULUBAYRAM K.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.24, pp.1144-1154, 2019 (Journal Indexed in SCI)

Books & Book Chapters

- I. **Polyurethanes, Stem Cell Interactions and Tissue Engineering Applications**
YAGCI B. S. , AKSOY E. A.
in: Biomaterials and Stem Cell: From Basics to Applications, Bora Garipcan, Editor, Palme Yayınevi, pp.217-233, 2018
- II. **Biomaterials Surface Properties: Implications in Immune Response**
ENDOĞAN TANIR T., ESENDAĞLI G., AKSOY E. A.
in: Biomaterials and Immune Response: Complications, Mechanisms and Immunomodulation, Vrana, Nihal Engin, Editor, CRC Press Taylor Francis Group, pp.121-140, 2018
- III. **Bölüm 25 Sentetik ve Doğal Organik Polimerler**
AKSOY E. A.
in: Öğrenciler İçin Problem Çözümleri Genel Kimya On Birinci Baskıdan Çeviri Student Solutions Manual to Accompany Chemistry Eleventh Edition, Recai İnam, Serpil Aksoy , Editor, Palme Yayıncılık, Ankara, pp.637-648, 2015
- IV. **Surface Modification of Polymeric Biomaterials**
Güney A., Kara F., AKSOY E. A. , HASIRCI V. N. , HASIRCI N.
in: Biomaterials Surface Science, Andreas Taubert, Joao F. Mano, ve Jos'e C. Rodriguez-Cabello., Editor, Wiley-VCH Verlag GmbH & Co. KGaA, pp.89-158, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation and characterisation of chitosan/silver nanowires scaffolds for tissue engineering applications**
Aydın D., AKSOY E. A. , DOĞANAY D., ÜNALAN H. E. , ŞENEL S.
19th International Pharmaceutical Technology Symposium-IPTS-2018, 17 - 19 September 2018
- II. **The Effect of Ibuprofen Loaded nanogel Formulations on Collagen Synthesis**
EROĞLU İ., GÜLTEKİNOĞLU M., YABANOĞLU ÇİFTÇİ S., ERİKÇİ A., BAYRAM C., AKSOY E. A. , ULUBAYRAM K.
19th International Pharmaceutical Technology Symposium (IPTS), Antalya, Turkey, 17 - 19 September 2018
- III. **Biyomedikal Uygulamalara Yönelik Poliüretanların Yüzey Modifikasyonu**
AKSOY E. A. , Kara F., AKSOY Ş. S. , HASIRCI N.
4. Biyomalzeme Günleri, Turkey, 19 - 20 October 2017
- IV. **Development of vancomycin/gelatin microspheres containing poly (e-caprolactone) fibers as antibacterial patch for osteomyelitis treatment**
AKSOY E. A. , YAĞCI B. S. , MANAP G., ÖZTÜRK Ş., EROĞLU İ., EKİZOĞLU M., ULUBAYRAM K.

28th European Conference on Biomaterials, 4 - 08 September 2017

- V. **Polyelectrolyte Microstructured Scaffolds Modified with Hyaluronic Acid**
MANAP G., YAĞCI B. S. , ÇALAMAK S., AKSOY E. A. , ULUBAYRAM K.
22nd International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- VI. **Designing and Performance of Antibacterial Polymeric Brushed Ureteral Stents In-vivo**
GULTEKİNOĞLU M., KART D., KÜRÜM B., AKSOY E. A. , KARAHAN S., SAĞIROĞLU M., ÖZEN A. H. , ULUBAYRAM K.
International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- VII. **Strontium and Zinc Decorated Polysaccharide Composite Gel Fibers**
YAĞCI B. S. , MANAP G., ÇALAMAK S., AKSOY E. A. , ULUBAYRAM K.
22 International Biomedical Science and Technology Symposium, 12 - 14 May 2017
- VIII. **Formulation of Plga b peg Nanoparticles as Nanogel Networks for Dermal Drug Delivery**
EROĞLU İ., GÜLTEKİNOĞLU M., BAYRAM C., AKSOY E. A. , ULUBAYRAM K.
18th International Pharmaceutical Technology Symposium, 18 - 21 September 2016
- IX. **Polycationic Polymeric Brush Decoration on Polyurethane for Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., Sarisözen Y. T. , ERDOĞDU C., SAĞIROĞLU M., Oh Y. J. , Hinterdorfer P., AKSOY E. A. ,
ULUBAYRAM K.
Macro 2016-World Polymer Congress, İstanbul, Turkey, 17 - 21 July 2016
- X. **Zinc Strontium Chelated Chitosan Brushite Composite Gel Fibers for Bone Tissue Engineering**
AKSOY E. A. , S BETÜL Y., MANAP G., ÖZTÜRK Ş., ULUBAYRAM K.
46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XI. **Polycationic Polymeric Brush Decoration on Polyurethane for Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., sarisözen y. t. , ERDOĞDU C., SAĞIROĞLU M., Oh Y. J. , Hinterdorfer P., AKSOY E. A. ,
ULUBAYRAM K.
46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XII. **Improving Antibacterial Efficacy of Chitosan Grafted Polyurethanes with Silver Nanoparticles**
AKSOY E. A. , KARA F., HASIRCI N., AKSOY S.
46th IUPAC World Polymer Congress MACRO2016, Turkey, 17 - 21 July 2016
- XIII. **Polycationic Polymeric Brush Decoration on Polyurethane for Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., SARIZÖZEN TUNÇ Y., ERDOĞDU C., SAĞIROĞLU M., OH JİN Y., HINTERDORFER P., AKSOY E. A. ,
ULUBAYRAM K.
46th IUPAC WORLD POLYMER CONGRESS, 17 - 21 July 2016
- XIV. **Polycationic Polymeric Brush Decoration on Polyurethane Dual Effective Antibacterial Activity**
GÜLTEKİNOĞLU M., TUNÇ SARISÖZEN Y., ERDOĞDU C., SAĞIROĞLU M., JIN OH Y., HINTERDORFER P., AKSOY E. A. ,
ULUBAYRAM K.
46th IUPAC World Polymer Congress MACRO2016, Turkey, 17 - 21 July 2016
- XV. **Synergistic effects of chemical biological and electromechanical stimulations on cardiomyogenic differentiation of BMSCs**
Öztürk Ş., Shahbazi R., GÜLTEKİNOĞLU M., ZEYBEK N. D. , AKSOY E. A. , DEMİRCİN M., ULUBAYRAM K.
TERMIS-European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society
2016, Sweden, 28 June - 01 July 2016
- XVI. **Synergistic effects of chemical biological and electromechanical stimulations on cardiomyogenic differentiation of BMSCs**
ÖZTÜRK Ş., SHAHBAZI R., GÜLTEKİNOĞLU M., ZEYBEK N. D. , AKSOY E. A. , DEMİRCİN M., ULUBAYRAM K.
European Chapter Meeting of the Tissue Engineering and Regenerative Medicine International Society, 28 June - 01
July 2016
- XVII. **UV Crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A. , ULUBAYRAM K.
Nanotech France 2016 Conference and Exhibition, Paris, France, 1 - 03 June 2016
- XVIII. **UV Crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A. , ULUBAYRAM K.
2nd Edition of Nanotech France 2016 International Conference & Exhibition NANOTECH FRANCE 2016, France, 1 -

03 June 2016

- XIX. **UV crosslinkable PLGA b PEG Nanoparticle Integrated Gel Networks for Topical Drug Delivery**
GÜLTEKİNOĞLU M., EROĞLU İ., BAYRAM C., AKSOY E. A. , ULUBAYRAM K.
Nanotech France 2016 International Conference and Exhibition, 1 - 03 June 2016
- XX. **Biodegradable Polyurethanes Extended with L Glutamic Acid Derivatives**
AKSOY E. A. , TAŞKOR G., GÜLTEKİNOĞLU M., KARA F., ULUBAYRAM K.
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXI. **Biodegradable Polyurethanes Extended with L Glutamic Acid Derivatives**
AKSOY E. A. , TAŞKOR G., GÜLTEKİNOĞLU M., KARA F., ULUBAYRAM K.
21st International Biomedical Science and Technology Symposium, 22 - 24 October 2015
- XXII. **Antibacterial Chitosan and Heparin Modified Polyurethane Surfaces**
KARA F., AKSOY E. A. , HASIRICI N., AKSOY S.
21st International Biomedical Science and Technology Symposium, Turkey, 22 - 24 October 2015, pp.197
- XXIII. **Heparin Chitosan Alginate Complex Scaffolds as Antibacterial Wound Dressings**
AKSOY E. A. , AYDEMİR SEZER Ü., KARA F., HASIRICI N.
21st International Biomedical Science and Technology Symposium, Turkey, 22 - 24 October 2015, pp.195

Supported Projects

- AKSOY E. A. , Project Supported by Higher Education Institutions, Biyomedikal Uygulamalar için Biyobozunur Elastomerik Poliüretanların Sentezi ve Optimizasyonu, 2017 - 2018
- EROĞLU İ., ULUBAYRAM K., AKSOY E. A. , GÜLTEKİNOĞLU BAYRAM M., ÇALAMAK S., Project Supported by Higher Education Institutions, Kombine Etkili Nanolipozomların Geliştirilmesi, 2017 - 2018
- AKSOY E. A. , EROĞLU İ., EKİZOĞLU M., Yağcı B. S. , Öztürk Ş., Manap G., ULUBAYRAM K., Project Supported by Higher Education Institutions, Osteomyelit Tedavisi için Antibakteriyel Yama Olarak Vankomisin Jelatin Mikroküreleri İçeren Poli(e-kaprolakton) Liflerin Geliştirilmesi, 2017 - 2017
- AKSOY E. A. , Project Supported by Higher Education Institutions, Yara Örtüsü Olarak Heparin/Kitosan/Aljinat Kompleks İskeleler: Karakterizasyon ve Staphylococcus Epidermidise Karşı Antibakteriyel Çalışma, 2017 - 2017
- EROĞLU İ., GÜLTEKİNOĞLU M., AKSOY E. A. , ULUBAYRAM K., Project Supported by Higher Education Institutions, Topikal Nanojel Formülasyonlarının Geliştirilmesi, 2016 - 2017
- AKSOY E. A. , HASIRICI N., AKSOY S., KARA F., Project Supported by Higher Education Institutions, Kitosan Aşılınmış Poliüretanların Antibakteriyel Etkinliğinin Gümüş Nanopartiküller ile Geliştirilmesi, 2016 - 2016
- GÜRSOY R. N. , GÜMÜŞEL B., TÜYLÜ KÜÇÜKKILINÇ Z. T. , SABUNCUOĞLU S., ŞÖHRETOĞLU D., KILIÇ E., ÜNSAL TAN O., YABANOĞLU ÇİFTÇİ S., BAŞCI N. E. , AKSOY E. A. , et al., Project Supported by Higher Education Institutions, TS EN ISO/IEC 17025 Standardı kapsamında Hacettepe Üniversitesi Eczacılık Fakültesi İlaç ve Kozmetik Ar-Ge ve Kalite Kontrol Laboratuvarının (HÜNİKAL) Akreditasyonu Projesi, 2015 - 2016
- AKSOY E. A. , ULUBAYRAM K., GÜLTEKİNOĞLU M., TAŞKOR G., KARA F., Project Supported by Higher Education Institutions, L-Glutamik Asit Türevleri ile Düzenlenmiş Biyobozunur Poliüretanlar, 2015 - 2015
- AKSOY E. A. , Project Supported by Higher Education Institutions, 2015 TERMİS DÜNYA KONGRESİ, 2015 - 2015
- AKSOY E. A. , TAŞKOR G., CANSU C., GÜLTEKİNOĞLU M., Project Supported by Higher Education Institutions, YENİ NESİL BİYOBOZUNUR POLİMERLERİN SENTEZİ VE KARAKTERİZASYONU, 2014 - 2015

Citations

Total Citations (WOS):381

h-index (WOS):12