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ScopusID: 7005095272

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Education Information

Post Doctorate, The University of Melbourne, Melbourne School of Engineering, Department of Chemical and Biomolecular Engineering, Australia 2014 - 2015

Doctorate, Istanbul Technical University, İtü Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi, Turkey 2002 - 2009

Postgraduate, Istanbul Technical University, İtü Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi, Turkey 2000 - 2002

Undergraduate, Kocaeli University, Fen-Edebiyat Fak., Kimya, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Synthesis of macroporous hydrogels from frozen monomer solutions and their characterization, İstanbul Teknik Üniversitesi, İtü Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi, 2009

Postgraduate, Swelling properties and elastic behavior of temperature sensitive ionic poly(N-Tbutylacrylamide-co-acrylamide) hydrogels, İstanbul Teknik Üniversitesi, İtü Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi, 2002

Research Areas

Tissue Engineering, Biomaterials, Polymers and Their Applications, Medical Applications of Polymers

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2023 - Continues

Associate Professor, Yildiz Technical University, Biyomühendislik, 2018 - 2023

Assistant Professor, Yildiz Technical University, Kimya-Metalurji Fakültesi, Biyomühendislik Bölümü, Biyomühendislik, 2012 - 2018

Courses

Doctorate

Biomedical Polymers, Doctorate, 2020 - 2021

Postgraduate

Tissue Engineering and Technology, Postgraduate, 2024 - 2025

Undergraduate

Polymer Science and Technology, Undergraduate, 2020 - 2021

Biopolymers, Undergraduate, 2020 - 2021

Biomaterials, Undergraduate, 2020 - 2021

Tissue Engineering, Undergraduate, 2017 - 2018

Supervised Theses

Özmen M. M., Production of Hydrogel Biocomposite Tissue Scaffold Containing Waste Eggshell Particles, Postgraduate, Z.AK(Student), 2024

Özmen M. M., Biomimetic synthesis and characterization of calcium phosphate nanoparticles for regenerative medicine, Postgraduate, M.ORAK(Student), 2024

Özmen M. M., Synthesis and characterization of alternan exopolysaccharide-based hydrogel and cryogel biomaterials, Postgraduate, S.BULUT(Student), 2024

Topuzoğulları M., Özmen M. M., Synthesis and Characterization of Nanoparticle Integrated Antibacterial Cryogels, Postgraduate, M.Daaboul(Student), 2023

Özmen M. M., Topuzoğulları M., Synthesis, Characterization and Antimicrobial Activity of Starch Nanogels, Postgraduate, P.SARAÇOĞLU(Student), 2022

Özmen M. M., Abdurrahmanoğlu S., Quarternization and antibacterial applications of poly(4-vinylpyridin-co-n-vinylpyrrolidon) copolymers prepared by using alkylating agents with different chain lengths, Postgraduate, D.GÖKKAYA(Student), 2019

Özmen M. M., Solubility enhancement of posaconazole active ingredient by hot melt extrusion technique using hydrophilic polymers, Postgraduate, A.AKINCIOĞLU(Student), 2019

Özmen M. M., CONTRA PREPARATION APPROACHES TO OBTAIN ALGINATE HYDROGELS AS ADSORBENTS, Postgraduate, S.Hafizoğlu(Student), 2019

Özmen M. M., Production and characterisation of biopolyol based semi rigid polyurethane foams, Postgraduate, G.Balamut(Student), 2018

ÖZMEN M. M., Core-Crosslinked Amphiphilic Block Copolymer Micelles For Antibacterial Applications, Postgraduate, M.Şeyma(Student), 2018

Özmen M. M., Synthesis of polyethylene glycol based scaffolds using gas foaming method, Postgraduate, B.Aytuğrul(Student), 2016

Özmen M. M., Preparation of hierarchical porous scaffolds with using natural polymers for tissue engineering applications, Postgraduate, T.Şen(Student), 2016

Özmen M. M., Protein-based biocomposite cryogels as tissue engineering scaffolds, Postgraduate, K.BURCU(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Quaternized Poly(4-vinylpyridine-co-N-2-hydroxypropylmethacrylamide) and antibacterial peptide linear conjugates: Synthesis, characterization, and bioactivity**
Gokkaya Ozburun D., Hancer H., Findikli B., ÖZBEK T., ÖZMEN M. M., TOPUZOĞULLARI M.
European Polymer Journal, vol.222, 2025 (SCI-Expanded)
- II. **Polycationic nanoparticle-integrated inherently antibacterial cryogels**

Daaboul M., Akgul B., Taşdurmazlı S., Abamor E. S., Ozbek T., Ozmen M. M., Topuzogullari M.
Materials Letters, vol.368, 2024 (SCI-Expanded)

- III. **Tannic Acid Incorporated Antibacterial Polyethylene Glycol-Based Hydrogel Sponges for Management of Wound Infections**
Akin B., Akgul B., Tasdurmazlı S., Abamor E. S., Ozbek T., Ozcelik B., Su E., Ozmen M. M.
MACROMOLECULAR BIOSCIENCE, vol.0, no.ni, 2024 (SCI-Expanded)
- IV. **Starch nanogels as promising drug nanocarriers in the management of oral bacterial infections**
Saracoglu P., DOKUZ S., ÖZBEK T., TOPUZOĞULLARI M., ÖZMEN M. M.
Journal of Drug Delivery Science and Technology, vol.88, 2023 (SCI-Expanded)
- V. **Antimicrobial cryogel dressings towards effective wound healing**
Akn B., Özmen M. M.
PROGRESS IN BIOMATERIALS, vol.11, no.4, pp.331-346, 2022 (SCI-Expanded)
- VI. **Excellent cyclic stability of symmetric and asymmetric supercapacitors constructed by graphene deposited Cu and Ni electrodes**
YARGI Ö., ÖZMEN M. M., Buyukpehlivan S., Gelir A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.46, no.14, pp.20801-20810, 2022 (SCI-Expanded)
- VII. **Highly Effective Covalently Crosslinked Composite Alginate Cryogels for Cationic Dye Removal**
Sezen S., Kumar Thakur V., Özmen M. M.
GELS, vol.7, no.4, pp.178, 2021 (SCI-Expanded)
- VIII. **Antibacterial properties of cationic copolymers as a function of pendant alkyl chain length and degree of quaternization**
Gokkaya D., TOPUZOĞULLARI M., Arasoglu T., Trabzonlu K., ÖZMEN M. M., Abdurrahmanoglu S.
POLYMER INTERNATIONAL, vol.70, no.6, pp.829-836, 2021 (SCI-Expanded)
- IX. **Starch Based Nanogels: From Synthesis To Miscellaneous Applications**
Saracoglu P., Özmen M. M.
Starch-Starke, vol.1, no.1, pp.1, 2021 (SCI-Expanded)
- X. **Core-crosslinking as a pathway to develop inherently antibacterial polymeric micelles**
Kadayıfci M. S., Gokkaya D., Topuzoğulları M., Isoglu S. D., Atabey ., Arasoğlu T., Özmen M. M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, 2020 (SCI-Expanded)
- XI. **Tough and hierarchical porous cryogel scaffolds preparation using n-butanol as a non-solvent**
Sen T., Ozcelik B., Özmen M. M.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.68, pp.411-416, 2019 (SCI-Expanded)
- XII. **Sulfur Chemistry in Polymer and Materials Science**
Mutlu H., Ceper E. B., Li X., Yang J., Dong W., ÖZMEN M. M., Theato P.
MACROMOLECULAR RAPID COMMUNICATIONS, vol.40, no.1, 2019 (SCI-Expanded)
- XIII. **Hierarchical porous hybrid chitosan scaffolds with tailorable mechanical properties**
Sen T., Ozcelik B., Qiao G. G., Özmen M. M.
MATERIALS LETTERS, vol.209, pp.528-531, 2017 (SCI-Expanded)
- XIV. **Polypeptide-Based Macroporous Cryogels with Inherent Antimicrobial Properties: The Importance of a Macroporous Structure**
Shirbin S. J., Lam S. J., Chan N. J., Ozmen M. M., Fu Q., O'Brien-Simpson N., Reynolds E. C., Qiao G. G.
ACS MACRO LETTERS, vol.5, no.5, pp.552-557, 2016 (SCI-Expanded)
- XV. **A rapid and facile preparation of novel macroporous silicone-based cryogels via photo-induced thiol-ene click chemistry**
Ozmen M. M., Fu Q., Kim J., Qiao G. G.
CHEMICAL COMMUNICATIONS, vol.51, no.98, pp.17479-17482, 2015 (SCI-Expanded)
- XVI. **Highly Efficient Method Towards In Situ Immobilization of Invertase Using Cryogelation**
Olcer Z., ÖZMEN M. M., Sahin Z. M., Yilmaz F., Tanriseven A.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.171, no.8, pp.2142-2152, 2013 (SCI-Expanded)
- XVII. **Formation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture: Transition from**

cryogelation to phase separation copolymerization

Ozmen M. M., Okay O.

REACTIVE & FUNCTIONAL POLYMERS, vol.68, no.10, pp.1467-1475, 2008 (SCI-Expanded)

XVIII. **Preparation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture at subzero temperatures**

Ozmen M. M., Dinu M. V., Okay O.

POLYMER BULLETIN, vol.60, pp.169-180, 2008 (SCI-Expanded)

XIX. **Preparation of macroporous acrylamide-based hydrogels: Cryogelation under isothermal conditions**

Ozmen M. M., Dinu M. V., Dragan E. S., OKAY O.

JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.44, pp.1195-1202, 2007 (SCI-Expanded)

XX. **Freezing as a path to build macroporous structures: Superfast responsive polyacrylamide hydrogels**

Dinu M. V., Ozmen M. M., Dragan E. S., OKAY O.

POLYMER, vol.48, no.1, pp.195-204, 2007 (SCI-Expanded)

XXI. **Superfast responsive ionic hydrogels: Effect of the monomer concentration**

Ozmen M. M., OKAY O.

JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.43, no.8, pp.1215-1225, 2006 (SCI-Expanded)

XXII. **Swelling deswelling kinetics of ionic poly acrylamide hydrogels and cryogels**

CEYLAN TUNCABOYLU D., ÖZMEN M. M., Okay O.

Journal Of Applied Polymer Science, vol.99, pp.319-325, 2006 (SCI-Expanded)

XXIII. **Superfast responsive ionic hydrogels with controllable pore size**

Ozmen M. M., OKAY O.

POLYMER, vol.46, no.19, pp.8119-8127, 2005 (SCI-Expanded)

XXIV. **Non-Gaussian elasticity of poly(2-acrylamido-2-methylpropane sulfonic acid) gels**

ÖZMEN M. M., OKAY O.

POLYMER BULLETIN, vol.52, pp.83-90, 2004 (SCI-Expanded)

XXV. **Swelling behavior of strong polyelectrolyte poly(N - t -butylacrylamide-co-acrylamide) hydrogels**

Ozmen M. M., Okay O.

European Polymer Journal, vol.39, no.5, pp.877-886, 2003 (SCI-Expanded)

Books

I. Polymeric Biomaterials

Şen T., Özmen M. M.

in: Biomaterials, S.YuceI,P.Terzioğlu,İ. Göker, Editor, Nobel Yayın Dağıtım, İstanbul, pp.391-418, 2022

Papers Published in Refereed Scientific Meetings

I. Temperature-responsive N-isopropylacrylamide (NIPAm) and gelatin methacryloyl (GelMA)-based hydrogels for controlled drug delivery

Daaboul M., Akkaya A., GÜNDÜZ O., ALARÇİN E., ÖZMEN M. M., TOPUZOĞULLARI M.

Applications of Chemistry in Nanosciences and Biomaterials Engineering” NanoBioMat 2024 – Summer Edition, 19 June 2024

II. Biomimetic Synthesis and Characterization of Calcium Phosphate Nanoparticles for Regenerative Medicine

Orak M., HoeppeI A., Weigel T., Dembski S., ÖZMEN M. M.

The 4th International Congress of Engineering and Natural Sciences, Turkey, 24 May 2024

III. Alternan Ekozopolisakkarit Tabanlı Hidrojel ve Kriyojel Biyomalzemelerin Sentezi ve

Karakterizasyonu

BULUT S., TAŞDURMAZLI S., ÖZBEK T., SU E., DERTLİ E., ÖZMEN M. M.

VIII. Ulusal Biyomühendislik Kongresi, Turkey, 16 - 18 May 2024

- IV. **Unlar sinir yaralanmaları için insülin yüklü Kitosan partikülleri içeren Kitosan-grafen hidrojel doku iskelesi üretimi**
Aydoğan E., Koçyiğit E., BULUT S., ÖZMEN M. M.
VIII. Ulusal Biyomühendislik Kongresi "Biyomühendislik Uygulamaları, Turkey, 16 May 2024
- V. **Atık Yumurta Kabuğu Parçacıkları İçeren Hidrojel Biyokompozit Doku İskelesi Üretimi**
AK Z., İzbudak B., SU E., BAL ÖZTÜRK A., ÖZMEN M. M.
VIII. Ulusal Biyomühendislik Kongresi, Turkey, 16 May 2024
- VI. **Kendiliğinden Antibakteriyel Polimer-Peptit Konjugatı Sentezi ve Karakterizasyonu**
Gokkaya D., Hançer H., ÖZBEK T., ÖZMEN M. M., TOPUZOĞULLARI M.
27. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 20 October 2023
- VII. **Starch Nanogels as an Emerging Platform for Oral Infections Treatment**
SARAÇOĞLU P., DOKUZ S., ÖZBEK T., Topuzogullari M., ÖZMEN M. M.
19th Asian Chemical Congress, 9 - 14 July 2023
- VIII. **SYNTHESIS AND CHARACTERIZATION OF POLYMERIC NANOPARTICLE EMBEDDED CATIONIC CRYOGELS**
Daaboul M., Topuzoğulları M., Özmen M. M.
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.121
- IX. **Nişasta-Polietilen Glikol Diğlisidil Eter Nanojellerinin Sentezi Ve Karakterizasyonu**
Saracoglu P., Topuzoğulları M., Özmen M. M.
33. Ulusal Kimya Kongresi, 7 - 09 October 2021, pp.1
- X. **Asymmetric and Symmetric Coin cell Capacitors by Deposition of Graphene for Energy Storage Applications**
Yargı Ö., Özmen M. M., Büyükpehlivan S., Gelir A.
TUBA World Conference on Energy Science and Technology (TUBA WCEST-2021), İstanbul, Turkey, 8 - 12 August 2021, pp.257
- XI. **Dielectric Spectroscopy of Ovalbumin Under Different Temperatures**
Serin M., Yakut Ş., Çalışkan M., Ulutaş H. K., Bozoğlu Parto D., Ulutaş D., Özmen M. M.
Turkish Physical Society 35th International Physics Congress, Muğla, Turkey, 4 - 08 September 2019, vol.1, no.1, pp.336
- XII. **Highly effective alginate-based composite cryogels as adsorbents for dye removal**
ÖZMEN M. M., Hafizoğlu S.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- XIII. **Solubility and Dissolution Enhancement of Posaconazole with Polymethacrylate Carrier using Hot Melt Extrusion**
Akincioglu A., ÖZMEN M. M.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- XIV. **Farklı zincir uzunluklarına sahip alkilleyici ajanlarla Poli(4-Vinilpiridin-ko-N-Vinil Prolidon) kopolimerlerinin kuarternizasyonu ve antibakteriyel uygulamaları**
Gökkaya D., Topuzoğulları M., ÖZMEN M. M., Arasoğlu T., Trabzonlu K., Abdurrahmanoğlu S.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- XV. **ESSENTIAL OIL LOADED ANTIMICROBIAL THERMOPLASTIC ELASTOMERS**
Pamukoğulları B., Öner T., ÖZMEN M. M.
35th International Conference of the Polymer Processing Society, 26 - 30 May 2019
- XVI. **Post-Crosslinked Alginate/Montmorillonite Composite Hydrogels for Methylene Blue Removal**

- Hafızoğlu S., ÖZMEN M. M.
4th International Mediterranean Science and Engineering Congress, 25 - 27 April 2019
- XVII. **Kuarternize Edilmiş (4-vinilpiridin-ko-N-vinilpirolidon) Kopolimerinin Antimikrobiyal Uygulamaları**
Gökkaya D., Topuzoğulları M., ÖZMEN M. M., Arasoğlu T., Trabzonlu K., Abdurrahmanoğlu S.
IV. Yaşam Bilimleri Kongresi, Turkey, 22 - 23 February 2019
- XVIII. **Core-Crosslinked Block Copolymer Micelles for Antibacterial Applications**
Kadayıfçı M. Ş., TOPUZOĞULLARI M., Gökkaya D., ATABEY T., ARASOĞLU T., ÖZMEN M. M.
ANCON, 5 - 07 October 2017
- XIX. **DIELECTRIC CHARACTERIZATION OF NATURAL POLYMER BASED HIERARCHICAL POROUS SCAFFOLDS**
Serin M., Özmen M. M., Ulutaş K., Bozoglu D., Caliskan M., Sen T., Deger D.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017
- XX. **DIELECTRIC PROPERTIES OF POLYETHYLENE GLYCOL BASED SCAFFOLDS PREPARED VIA GAS FOAMING METHOD**
Serin M., Özmen M. M., Ulutaş K., Bozoglu D., Caliskan M., Aytugrul B., Değer D.
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017
- XXI. **Characterisation of immobilised Geobacillus stearothermophilus L-arabinose isomerase**
Kızılçay Z. N., ÖZMEN M. M.
6 th International Congress on Food, Agricultural, Biological and Medical Sciences, 17 - 18 May 2017
- XXII. **Characterisation of Immobilized Geobacillus Stearothermophilus L-Arabinose Isomerase**
Kizilcay Z. N., Holsbeek M. V., ÖZMEN M. M., De Voorde I. V.
6th International Congress on Food, Agricultural, Biological and Medical Sciences, İstanbul, Turkey, 17 May 2017, pp.256
- XXIII. **Polietilen Glikol Bazlı Biyokompozit Süngerlerin Gaz Köpüklendirme Yöntemi ile Üretimi**
Aytugrul B., Ozcelik B., ÖZMEN M. M.
12. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 August 2016
- XXIV. **Hierarchical Porous Ovalbumin-Chitosan Cryogel Scaffolds for Tissue Engineering Applications**
Sen T., Ozcelik B., ÖZMEN M. M.
46th IUPAC World Polymer Congress, İstanbul, Turkey, 17 July 2016, pp.200
- XXV. **Polyelectrolyte Complexes of poly(4-vinylpyridine)-g-poly(ethyleneglycol) with C-myc Antisense Oligonucleotide as a Potential Non-viral Vector**
Topuzogullari M., Gokkaya D., ÖZMEN M. M.
46th IUPAC World Polymer Congress, İstanbul, Turkey, 17 July 2016, pp.206
- XXVI. **Preparation and Antimicrobial Properties of Macroporous Polypeptide-Based Cryogels**
ÖZMEN M. M., Shirbin S. J., Lam S. J., Fu Q., Chan N. J., O'brien Simpson N., Reynolds E. C., Qiao G. G.
46th IUPAC World Polymer Congress, İstanbul, Turkey, 17 July 2016, pp.150
- XXVII. **Novel Polydimethylsiloxane Based Cryogels via Low Temperature Photoclick Thiol-ene Coupling**
ÖZMEN M. M., Fu Q., Qiao G. G.
35th Australasian Polymer Symposium, Gold Coast, Australia, 10 July 2015, pp.42
- XXVIII. **Ovalbumin Biocomposite Cryogels as Tissue Engineering Scaffolds**
Kutuk K. B., ÖZMEN M. M., Patterson J.
11th International Symposium on Frontiers in Biomedical Polymers, Trento / Riva Del Garda, Italy, 08 July 2015, pp.12
- XXIX. **Makrogözenekli Poliakrilamid Hidrojellerinin Enzim İmmobilizasyonu Uygulamaları**
ÖZMEN M. M., Ölçer Z., Şahin Z. M., Tanrıseven A., Yılmaz F.
4. Polimer Bilim ve Teknoloji Kongresi, Çanakkale, Turkey, 05 September 2012, pp.24
- XXX. **Preparation of macroporous poly acrylamide hydrogels in DMSO water mixture**
ÖZMEN M. M., OKAY O.
73rd Prague Meeting on Macromolecules, 5 - 09 July 2009
- XXXI. **Macroporous Ionic Hydrogels: Cryogelation Under Isothermal Conditions**
Dinu M. V., ÖZMEN M. M., Dragan E. S., Okay O.

Romanian International Conference on Chemistry and Chemical Engineering Ricce XV, Sinaia, Romania, 19 September 2007

- XXXII. **Strategies Toward The Synthesis of Fast Responsive Gels with Improved Mechanical Properties**
OKAY O., ÖZMEN M. M., Dinu M. V., Ceylan D., Can V.
The European Polymer Congress 2007, Portoroz, Slovenia, 02 July 2007
- XXXIII. **Synthesis of Macroporous Hydrogels From Frozen Monomer Solutions Under Various Experimental Conditions**
Dinu M. V., ÖZMEN M. M., Dragan E. S., OKAY O.
The European Polymer Congress 2007, Portoroz, Slovenia, 02 July 2007
- XXXIV. **Fast Responsive Macroporous Hydrogels**
Dinu M. V., ÖZMEN M. M., Dragan E. S., Okay O.
Proceedings of the 22th International Symposium on Physicochemical Methods of Separation "ARS SEPARATORIA 2007", Szklarska Poreba, Poland, 10 June 2007, pp.109
- XXXV. **Swelling Deswelling of Ionic Poly acrylamide Hydrogels and Cryogels**
CEYLAN TUNCABOYLU D., ÖZMEN M. M., OKAY O.
Polymer Networks 2006, Fuctional and Biological Gels: Theory and Experiment, 3 - 07 September 2006
- XXXVI. **Effect of preparation temperature on properties of gels based on sodium2 acrylamido 2 methylpropane 1 sulfonate**
ÖZMEN M. M., OKAY O.
Polymer Gels and Networks, 44th Microsymposium of P.M.M, 10 - 14 July 2005
- XXXVII. **Sıcaklığa Duyarlı İyonik Poli N tert butilakrilamid co akrilamid Hidrojellerinin Şişme ve Elastik Özellikleri**
ÖZMEN M. M., OKAY O.
XVII. Ulusal Kimya Kongresi, Turkey, 18 - 21 September 2003
- XXXVIII. **Sıcaklığa Duyarlı İyonik Poli(N-t-Bütilakrilamid-co-Akrilamid) Hidrojellerinin Şişme Özellikleri ve Şişme Davranışı**
ÖZMEN M. M., Akay O.
XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 08 September 2003, pp.700

Supported Projects

ÖZMEN M. M., ABDULLAH T., van Bennekom B., Project Supported by Higher Education Institutions, Antibakteriyel Kısa Nanofiberlerle Zenginleştirilmiş Yeni Nesil Hidrojel Kriyojel ve Nanofiber Biyokompozit Yara Örtüleri Üretimi, 2024 - Continues

KESKİN B., AKGÖZ Z. Ç., ARGIZ Z., ÖZMEN M. M., ÇATMA E. Z., KUÇAK M., Project Supported by Higher Education Institutions, Bamya ekstraktı-metal kaplama ile dekore edilmiş MoS₂ nanozim kullanılarak çok işlevli hidrojel üretimi ve yara iyileştirme özelliklerinin incelenmesi, 2024 - Continues

ÖZMEN M. M., ÖZBEK T., TOPUZOĞULLARI M., Demir B., AKIN B., Project Supported by Higher Education Institutions, Süper Elastisite ve Emme Kabiliyetli Antibakteriyel ve Hemostatik Dental Kriyojel Üretimi, 2023 - Continues

ÖZMEN M. M., Ak Z., Project Supported by Higher Education Institutions, Atık Yumurta Kabuğu Parçacıkları İçeren Hidrojel Biyokompozit Doku İskelesi Üretimi, 2024 - 2025

Özmen M. M., Koçyiğit E., Aydoğan E., Project Supported by Other Official Institutions, Fabrication of a Chitosan-Graphene Oxide Hydrogel Tissue Scaffold Containing Mesenchymal Stem Cells and Insulin Encapsulated in Chitosan Particles for Ulnar Nerve Injuries, 2023 - 2024

TOPUZOĞULLARI M., ÖZMEN M. M., DOKUZ S., ÖZBEK T., DERMAN S., Daaboul M., Alhamvi S., Paşaoğlu H., Project Supported by Higher Education Institutions, Kendiliğinden Antibakteriyel Polimerik Malzemelerin Geliştirilmesi, 2022 - 2024

Özmen M. M., Ömür S. E., TUBITAK Project, Fıtık Tedavisi için 3B Biyoyazıcı ile Polimerik Cerrahi Meş'lerin Geliştirilmesi, 2022 - 2023

Özmen M. M., Hacıoğlu A., TUBITAK Project, Üzüm Bağlarında Görülen Mantar Hastalıklarına karşı Bitkisel

Biyofungusitlerin Geliştirilmesi, 2021 - 2023

Yargı Ö., Büyükpehlivan S., Özmen M. M., TUBITAK Project, FARKLI TÜRDE BİYOPOLİMER TABANLI SEPERATÖR(AYIRICI) VE Cr2O3 SÜPERKAPASİTÖR ÜRETİMİ, 2021 - 2022

Özmen M. M., Kahveci M. U., TUBITAK Project, Işıklı Tetiklenen Çok Yüksek Hızlı Diels-Alder Click Reaksiyonlarının Geliştirilmesi ve Fonksiyonel Polimerik Malzemelerin Bu Reaksiyonlarla Hazırlanması, 2018 - 2020

Özmen M. M., Abdurrahmanoğlu S., Project Supported by Higher Education Institutions, Farklı Zincir Uzunluklarına Sahip Alkilleyici Ajanlarla Poly(4-vinilpyridine-co-N-vinilpyrrolidone) Kopolimerinin Kuaternizasyonu ve Antibakteriyel Uygulamaları, 2019 - 2019

ÖZMEN M. M., Hafızoğlu S., Project Supported by Higher Education Institutions, Adsorbent Olarak Aljinat Hidrojellerinin Eldesi için Kontra Hazırlama Yöntemlerinin Kullanılması, 2018 - 2019

ÖZMEN M. M., TUBITAK Project, Yenilenebilir Kaynaklardan Yenilebilir Nanokompozit Su Toplarının Üretimi, 2018 - 2018

ÖZMEN M. M., Project Supported by Higher Education Institutions, Biyopolimer Bazlı Kriyojel Doku İskelerinin Tasarımı, 2013 - 2018

ÖZMEN M. M., Project Supported by Higher Education Institutions, Protein Bazlı Doğal Polimerlerden Makrogözenekli Doku iskelesi Eldesi, 2014 - 2016

Özmen M. M., TUBITAK Project, Production and Application of a New Sorbent for the Removal of Oil Spills from the Marine Ecosystem and Wastewater, 2007 - 2010

ÖZMEN M. M., Project Supported by Higher Education Institutions, Donmuş Monomer Çözeltilerinden Makroporlu Hidrojellerin Sentezi ve Karakterizasyonu, 2007 - 2009

ÖZMEN M. M., TUBITAK Project, Jellerde mikro ve nano boyutlarda bölgelerin tasarımı, 2005 - 2008

Peer Reviews in Scientific Publications

STARCH-STARKE, SCI Journal, July 2021

Macromolecular Materials and Engineering, Journal Indexed in ESCI, September 2020

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, July 2020

TURKISH JOURNAL OF CHEMISTRY, National Scientific Refreed Journal, March 2020

Macromolecular Research, SCI Journal, June 2019

Turkish Journal of Chemistry, National Scientific Refreed Journal, April 2018

Turkish Journal of Chemistry, SCI Journal, January 2018

Macromolecular Research, SCI Journal, August 2017

Designed Monomers Polymers, SCI Journal, January 2012

Metrics

Publication: 64

Citation (WoS): 553

Citation (Scopus): 571

H-Index (WoS): 12

H-Index (Scopus): 13

Congress and Symposium Activities

World Polymer Congress, (Macro 2016), Session Moderator, İstanbul, Turkey, 2016

Scholarships

2219 DOKTORA SONRASI ARAŞTIRMA BURSUSU, University, 2015 - 2015

Awards

ÖZMEN M. M., Tübitak Üniversitelerarası Proje Yarışmaları, 2018 İstanbul Bölge Sergisi, 2241 Özel Sektöre Yönelik Lisans Bitirme Tezleri Yarışması, Tübitak, October 2018

Non Academic Experience

Türk Akreditasyon Kurumu, Laboratuvar Teknik Denetçisi

ADALET BAKANLIĞI-Adli Tıp Kurumu Başkanlığı, Kimya İhtisas Dairesi Uzmanı

MİLLİ EĞİTİM BAKANLIĞI, Kimya Öğretmeni