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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Biyomühendislik Anabilim Dalı, Turkey 2006 - 2013

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Biyomühendislik Anabilim Dalı, Turkey 2003 - 2006

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chromatographic Analysis, Polymers and Their Applications, Polymeric Materials, Medical Applications of Polymers

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2021 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2017 - 2018

Research Assistant PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2013 - 2017

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2005 - 2013

Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,
Department of Bioengineering, 2017 - 2018

Courses

Controlled Release Systems, Undergraduate, 2019 - 2020, 2018 - 2019
Biochemistry in Bioengineering, Undergraduate, 2019 - 2020, 2018 - 2019
Physical Chemistry in Bioengineering, Undergraduate, 2018 - 2019
Bioengineering of Macromolecular Materials, Doctorate, 2018 - 2019
Separation Processes in Bioengineering, Undergraduate, 2019 - 2020, 2018 - 2019
Organic Chemistry for Engineers, Undergraduate, 2018 - 2019
Organic Chemistry for Engineers, Undergraduate, 2017 - 2018
Separation Processes in Bioengineering, Undergraduate, 2017 - 2018
Biochemistry in Bioengineering, Undergraduate, 2017 - 2018
Vocational English in Bioengineering 2 , Undergraduate, 2017 - 2018

Advising Theses

Topuzoğulları M., Synthesis and Characterization of Inherently Antibacterial Cationic Nanoparticles, Postgraduate,
S.Alhamvi(Student), 2023
Topuzoğulları M., Özbek T., Synthesis of Cationic Polymers for Biomedical Applications, Postgraduate,
E.Yetişkin(Student), 2023
Özmen M. M., TOPUZOĞULLARI M., Nişasta nanojellerinin sentezi karakterizasyonu ve antimikrobiyal aktivitesinin
belirlenmesi, Postgraduate, P.SARAÇOĞLU(Student), 2022
Topuzoğulları M., Development of Enzyme Containing Wound Dressings, Postgraduate, H.Demir(Student), 2021
Topuzoğulları M., Development Of Immunogenic Polyelectrolyte-Peptide Systems with Controlled Radical Polymerization,
Postgraduate, İ.Şahin(Student), 2020
Topuzoğulları M., Karahan M., Development of İmmunogenic Nanoparticulate Systems, Postgraduate,
H.Büyükbayraktar(Student), 2019
TOPUZOĞULLARI M., Amilaz ve asit fosfataz tespit kitinin geliştirilmesi, Postgraduate, İ.Sarı(Student), 2015

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. **Micelles of poly[oligo(ethylene glycol) methacrylate] as delivery vehicles for zinc phthalocyanine photosensitizers**
Kara M., Kocaaga N., Akgul B., Abamor E. Ş., Erdoğan A., Topuzoğulları M., Acar S.
Nanotechnology, vol.35, no.47, 2024 (SCI-Expanded)
- III. **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)
- IV. **Three-Dimensional-Printed GelMA-KerMA Composite Patches as an Innovative Platform for Potential Tissue Engineering of Tympanic Membrane Perforations**

Bedir T., Baykara D., Yildirim R., Çalkoğlu Koyuncu A. C., Şahin A., Kaya E., Tinaz G. B., İnel M. A., Topuzoğulları M., Gündüz O., et al.

Nanomaterials, vol.14, no.7, 2024 (SCI-Expanded)

- V. **Size dependent inherent antibacterial activity of polycation coated poly(lactide-co-glycolide) nanoparticles**
Alhamvi S., Akgul B., Akmayan I., Abamor E. S., Ozbek T., Topuzogullari M.
European Polymer Journal, vol.207, 2024 (SCI-Expanded)
- VI. **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)
- VII. **Effect of polycation coating on the long-term pulsatile release of antigenic ESAT-61-20 peptide from PLGA nanoparticles**
Büyükbayraktar H. K., Pelit Arayıcı P., İhlamur M., Gökçaya D., Karahan M., Abamor E. Ş., Topuzoğulları M.
COLLOIDS AND SURFACES B: BIOINTERFACES, vol.228, pp.113421-113431, 2023 (SCI-Expanded)
- VIII. **RAFT-synthesized POEGMA-b-P4VP block copolymers: preparation of nanosized micelles for anticancer drug release**
BAYRAM N. N., TOPUZOĞULLARI M., İŞOĞLU İ. A., DİNÇER İŞOĞLU S.
POLYMER BULLETIN, vol.79, no.11, pp.9575-9588, 2022 (SCI-Expanded)
- IX. **Angiotensin (1-7) peptide replacement therapy with plasma transfusion in COVID-19**
Onal H., Ergun N. U., Arslan B., Topuz S., Semerci S. Y., Ugurel O. M., Topuzoğulları M., Kalkan A., Yoldemir S. A., Suner N., et al.
TRANSFUSION AND APHERESIS SCIENCE, vol.61, no.4, 2022 (SCI-Expanded)
- X. **Synthesis and immunogenicity of the linear conjugates of polyacrylic acid and antigenic peptide of human papillomavirus**
Sahin Eguz I., İhlamur M., Abamor E. Ş., Topuzoğulları M.
EUROPEAN POLYMER JOURNAL, vol.176, 2022 (SCI-Expanded)
- XI. **Microwave-assisted rapid conjugation of horseradish peroxidase-dextran aldehyde with Schiff base reaction and decolorization of Reactive Blue 19**
Celeb M., Ozdemir Z. O., TOPUZOĞULLARI M.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.3, pp.903-909, 2022 (SCI-Expanded)
- XII. **Formulating and Characterizing an Exosome-based Dopamine Carrier System**
Yavuz B., Darici H., Yildiz A. P. Z., ABAMOR E. Ş., TOPUZOĞULLARI M., Bagirova M., Allahverdiyev A., Karaoz E.
JOVE-JOURNAL OF VISUALIZED EXPERIMENTS, vol.2022, no.182, 2022 (SCI-Expanded)
- XIII. **HER2-Targeted, Degradable Core Cross-Linked Micelles for Specific and Dual pH-Sensitive DOX Release**
Bayram N. N., Ulu G. T., Topuzoğulları M., Baran Y., Dinçer İşoğlu S.
MACROMOLECULAR BIOSCIENCE, vol.22, no.1, 2022 (SCI-Expanded)
- XIV. **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)
- XV. **Discovery and evaluation of inhibitory activity and mechanism of arylcoumarin derivatives on Theileria annulata enolase by in vitro and molecular docking studies**
Yakarsonmez S., DANIŞ Ö., MUTLU Ö., TOPUZOĞULLARI M., Sariyer E., Yuce-Dursun B., Turgut-Balik D.
MOLECULAR DIVERSITY, vol.24, no.4, pp.1149-1164, 2020 (SCI-Expanded)
- XVI. **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)
- XVII. **An insight into the epitope-based peptide vaccine design strategy and studies against COVID-19**
Topuzogullari M., Acar T., Pelit Arayıcı P., Uçar B., Uğurel E., Abamor E. Ş., Arasoğlu T., Turgut-Balık D., Derman S.
TURKISH JOURNAL OF BIOLOGY, vol.44, no.3, pp.215-227, 2020 (SCI-Expanded)

- XVIII. **Effect of polyelectrolyte complex formation on the antibacterial activity of copolymer of alkylated 4-vinylpyridine**
Topuzoğulları M.
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.634-646, 2020 (SCI-Expanded)
- XIX. **Microwave assisted quaternization of poly(4-vinylpyridine) with 1-bromohexane**
Topuzoğulları M.
JOURNAL OF POLYMER RESEARCH, vol.25, 2018 (SCI-Expanded)
- XX. **A new approach for development of vaccine against visceral leishmaniasis: Lipophosphoglycan and polyacrylic acid conjugates**
ALLAHVERDİYEV A., KOC R., BAĞIROVA M., Elcicek S., BAYDAR S. Y., ÖZTEL O. N., ABAMOR E. Ş., Ates S. C., TOPUZOĞULLARI M., Dincer S. I., et al.
ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE, vol.10, no.9, pp.877-886, 2017 (SCI-Expanded)
- XXI. **Thermo-Responsive Complexes of c-Myc Antisense Oligonucleotide with Block Copolymer of Poly(OEGMA) and Quaternized Poly(4-Vinylpyridine)**
Topuzoğulları M., Elalmis Y., Isoglu S. D.
MACROMOLECULAR BIOSCIENCE, vol.17, 2017 (SCI-Expanded)
- XXII. **Comprehensive structural analysis of the open and closed conformations of Theileria annulata enolase by molecular modelling and docking**
MUTLU Ö., YAKARSONMEZ S., Sariyer E., DANIŞ Ö., Yuce-Dursun B., Topuzogullari M., Akbulut E., Turgut-Balik D.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.64, pp.134-144, 2016 (SCI-Expanded)
- XXIII. **Thermal Destabilization of Rhizomucor miehei Rennet with Aldehyde Dextran Sulfate: Purification, Bioconjugation and Milk-Clotting Activities**
Celebi M., TOPUZOĞULLARI M., Kuzu H.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.180, no.2, pp.261-273, 2016 (SCI-Expanded)
- XXIV. **Biochemical and in silico Characterization of Recombinant L-Lactate Dehydrogenase of Theileria annulata**
Nural B., Erdemir A., Mutlu Ö., Yakarsonmez S., Danis Ö., Topuzogulları M., Turgut-Balik D.
MOLECULAR BIOTECHNOLOGY, vol.58, no.4, pp.256-267, 2016 (SCI-Expanded)
- XXV. **Microwave-assisted green approach for graft copolymerization of l-lactic acid onto starch**
Salimi K., TOPUZOĞULLARI M., Dincer S., AYDIN H. M., Piskin E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.6, 2016 (SCI-Expanded)
- XXVI. **Cloning, Expression and Characterization of the Gene Encoding the Enolase from Fusobacterium nucleatum**
Yakarsonmez S., Cayir E., Mutlu Ö., Nural B., Sariyer E., Topuzogulları M., Milward M. R., Cooper P. R., Erdemir A., Turgut-Balik D.
APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.52, no.1, pp.23-30, 2016 (SCI-Expanded)
- XXVII. **Cloning of Intron-Removed Enolase Gene and Expression, Purification, Kinetic Characterization of the Enzyme from Theileria annulata**
Cayir E., Erdemir A., Ozkan E., Topuzogulları M., Bolat Z. B., Akat A., Turgut-Balik D.
MOLECULAR BIOTECHNOLOGY, vol.56, no.8, pp.689-696, 2014 (SCI-Expanded)
- XXVIII. **pH- and temperature-responsive amphiphilic diblock copolymers of 4-vinylpyridine and oligoethyleneglycol methacrylate synthesized by RAFT polymerization**
TOPUZOĞULLARI M., Bulmus V., Dalgakiran E., Dincer S.
POLYMER, vol.55, no.2, pp.525-534, 2014 (SCI-Expanded)
- XXIX. **RAFT-mediated synthesis of poly(N-(2-hydroxypropyl)methacrylamide-b-4-vinylpyridine) by conventional and microwave heating**
ÖZDEMİR Z., TOPUZOĞULLARI M., İŞOĞLU İ. A., Dincer S.
POLYMER BULLETIN, vol.70, no.10, pp.2857-2872, 2013 (SCI-Expanded)
- XXX. **Conjugation, characterization and toxicity of lipophosphoglycan-polyacrylic acid conjugate for vaccination against leishmaniasis**
TOPUZOĞULLARI M., Koc R., Isoglu S. D., BAĞIROVA M., Akdeste Z., Elcicek S., ÖZTEL O. N., Baydar S. Y., Ates S. C.,

ALLAHVERDİYEV A.

JOURNAL OF BIOMEDICAL SCIENCE, vol.20, 2013 (SCI-Expanded)

XXXI. **Molecular-weight distribution and structural transformation in water-soluble complexes of poly(acrylic acid) and bovine serum albumin**

Topuzoğullari M., CIMEN N. S., MUSTAFAEVA Z., MUSTAFAEV M.

EUROPEAN POLYMER JOURNAL, vol.43, no.7, pp.2935-2946, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Recent advances in health biotechnology during pandemic**
Arı Yuka S., Akpek A., Özarslan A., Vural A., Koçer A. T., Aslan A., Karaaltın A. B., Gök B., Yılmaz B. B., İnan B., et al.
Sigma Journal of Engineering and Natural Sciences, vol.41, no.3, pp.625-655, 2023 (ESCI)
- II. **Hydrogels of Acrylic Acid with Oligoethyleneglycol Methacrylate, Carboxymethyl Cellulose and Graphite Oxide**
TOPUZOĞULLARI M., İŞILDAK İ.
RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT, vol.26, no.6, pp.1-7, 2022 (Scopus)
- III. **Characterization and Purification of Viral Peptides Synthesized with Microwave Assisted Solid Phase Method**
Özdemir Z. Ö., Topuzoğullari M., Karabulut E., Mustafaeva Akdeste Z.
International Journal of Natural and Engineering Sciences, vol.3, no.2, pp.45-48, 2009 (Peer-Reviewed Journal)
- IV. **Difficulties In Synthesis and Characterization of Viral Capsid Peptides**
Özdemir Z. Ö., Karabulut E., Topuzoğulları M., Akdeste Z.
Haceteppe Journal of Biology and Chemistry, vol.36, no.4, pp.329-337, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **Biyomedikal Uygulamalar için Katyonik Polimerlerin Sentezi**
Yetişkin Morkan E. N., Yılmaz İ., Özbek T., Topuzoğulları M.
Uluslararası Katılımlı VIII. Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.116
- III. **Nişasta-Polietilen Glikol Diglisidil Eter Nanojellerinin Sentezi Ve Karakterizasyonu**
Saracoglu P., Topuzoğulları M., Özmen M. M.
33. Ulusal Kimya Kongresi, 7 - 09 October 2021, pp.1
- IV. **Development of Bromelain Entrapped Dextran Hydrogels as Wound Dressing Materials**
Demir H., Elalmış Y., Topuzoğulları M.
II. Uluslararası Enzim ve Biyoproses Günleri – EBDays2020, Kocaeli, Turkey, 1 - 03 September 2020, pp.35
- V. **Synthesis of Immunogenic Polyacrylic Acid-Peptide Conjugates with RAFT Polymerization**
Şahin İ., Topuzoğulları M.
32. Ulusal Kimya Kongresi, İstanbul, Turkey, 17 - 19 September 2020, pp.154
- VI. **Production of Flaxseed Oil Loaded Polycaprolactone-Polyethyleneglycol Nanocarriers for Breast Cancer Treatment**
Yetişkin E. N., Daaboul M., Alhamvi S., Topuzoğulları M.
1. Uluslararası Sağlık Bilimlerinde Multidisipliner Çalışmalar Kongresi, İstanbul, Turkey, 3 - 05 June 2020, pp.127
- VII. **Investigation of the effect of pumpkin seed oil loaded PEG-PCL micelles on breast cancer and glioma cells.**

Topuzoğulları N. S., Topuzoğulları M., Mansuroğlu B.

3rd International Eurasian Conference on Biological and Chemical Sciences, İstanbul, Turkey, 19 - 20 March 2020, pp.789-796

- VIII. **Hydrogels of Acrylic Acid and Oegma with Carboxymethyl Cellulose and Graphite Oxide**
Topuzoğulları M., Işıldak İ.
IV. INSAC Doğa ve Mühendislik Bilimleri Kongresi, Konya, Turkey, 11 - 13 October 2019, pp.62
- IX. **Farklı Zincir Uzunluklarına Sahip Alkileyici 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, Ankara, Turkey, 28 - 29 June 2019, pp.112
- X. **Aloe Vera Yüklü Aljinat ve PLGA Esaslı Yara Örtü Malzemesi Üretimi**
Soydan N., Akmayan İ., Arasoğlu T., Topuzoğulları M.
7. Ulusal Biyomühendislik Öğrenci Kongresi, İzmir, Turkey, 3 - 04 May 2019, pp.5
- XI. **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, Kayseri, Turkey, 22 - 23 February 2019, pp.29
- XII. **İmmunojen Özellikli Nanopartiküler Sistemlerin Geliştirilmesi**
Büyükbayraktar H. K., Gökkaya D., Arayıcı P. P., Karahan M., Topuzoğulları M.
IV. Yaşam Bilimleri Kongresi, Kayseri, Turkey, 22 - 23 February 2019, pp.33
- XIII. **Poly(OEGMA)-b-Poly(4-VP) block copolymer nanocarriers for anticancer agent release**
Akşit N. N., Topuzoğulları M., Işoğlu İ. A., El Khatib M., Dinçer Işoğlu S.
43rd FEBS Congress, Praha, Czech Republic, 7 - 12 July 2018, vol.8, no.1, pp.476
- XIV. **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
- XV. **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
- XVI. **Comprehensive computational analysis of Theileria annulata enolase by comparative modeling and docking**
Mutlu Ö., Yakarsönmez S., Sarıyer E., Danış Ö., Yüce Dursun B., Topuzoğulları M., Akbulut E., Balık D.
17th European Congress on Biotechnology, Krakow, Poland, 3 - 06 July 2016, vol.281, no.1, pp.171
- XVII. **Practical diagnosis of ac,d phosphatase and amylase**
Sarı İ., Cemek M., Topuzoğulları M., Kocaman T., Hazini A., Göneş S., Önül A., Karaman E., Konuk H. B.
7. Ulusal Veteriner Biyokimya ve Klinik Biyokimya Kongresi, Samsun, Turkey, 28 - 30 May 2015, pp.207
- XVIII. **Kinetic characterization of enolase enzyme from Theileria annulata**
Cayir E., Erdemir A., Oktay E. Ö., Topuzogullari M., Bolat Z. B., Akat A., Balik D.
FEBS EMBO 2014 COnference, Paris, France, 30 August - 04 September 2014, vol.281, no.1, pp.578-579
- XIX. **Thermo- and pH Responsive Carriers: Physicochemical Characterization and Gene Delivery Activity**
Topuzoğulları M., Dalgakıran E., Türk M., Dinçer Işoğlu S.
TERMIS-EU 2013, İstanbul, Turkey, 17 - 20 June 2013, pp.409
- XX. **RAFT Polymerization and Characterization of Poly(4-vinylpyridine)-b-poly(oligoethyleneglycol methyl ether methacrylate) Diblock Copolymers**
Topuzoğulları M., Dinçer Işoğlu S.
16th International Biomedical Science and Technology Symposium, İstanbul, Turkey, 28 September - 02 October 2010, pp.65
- XXI. **Fluorimetric investigation of polyelectrolyte-influenza virus antigen conjugates**
Kılınç Y., Özdemir Z. Ö., Topuzoğulları M., Karabulut E., Akdeste Z.
34th Congress of the Federation-of-European-Biochemical-Societies, Praha, Czech Republic, 04 July 2009, pp.302-

- XXII. **Sentetik Peptidlerin Karakterizasyonunda LC-MS Analizinin Önemi**
Özdemir Z. Ö., Topuzoğulları M., Mustafaeva Z.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.10
- XXIII. **Molecular-weight distribution and structural transformation in water-soluble conjugates of poly(acrylic acid) and synthetic peptide**
Mansuroğlu B., Topuzoğulları M., Mustafaeva Akdeste Z.
30th European Peptide Symposium, Helsinki, Finland, 31 August - 05 September 2008, vol.14, no.1, pp.141
- XXIV. **LC-ESI-MS Characterization and Prep-RP-HPLC purification of FMDV Synthetic Viral Peptides**
Özdemir Z. Ö., Topuzoğulları M., Karabulut E., Mustafaeva Z.
30th European Peptide Symposium, Helsinki, Finland, 31 August - 05 September 2008, vol.14, no.1, pp.141
- XXV. **Synthesis and Characterization of Viral Peptides and Their Biopolymer Conjugates for Developing New Synthetic Vaccines**
ÖZDEMİR Z. Ö., TOPUZOĞULLARI M., MANSUROĞLU B., ACAR S., Budama Battal Y., AKDESTE Z., Akdeste M.
4th European Symposium on Biopolymers, 2 - 04 October 2007
- XXVI. **Poliakrilik Asitin Bovin Serum Albumin İle Etkileşimlerinin Dört Detektörlü Moleküler Eleme Kromatografisi İle İncelenmesi**
Topuzoğulları M., Kuzu H., Mustafaev M.
XX. Ulsual Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006, pp.19
- XXVII. **Development of nanoparticles Based on Polyanion-Protein Complexes**
Akkılıç N., Kılınç Y., Çimen N. S., Dalgakıran E., Topuzoğulları M., Mustafaeva Z., Mustafaev M.
XII. International Biommedical Science and Technology Symposium, İzmir, Turkey, 20 - 23 September 2005, pp.90-91

Supported Projects

- Topuzoğulları M., Derman S., Özbek T., TUBITAK Project, Litik Bakteriyofaj K'nın, S. aureus Lizis Mekanizmasındaki Kilit Molekülü Holin Proteininin Biyoteknolojik Araç Olarak Kullanımının Değerlendirilmesi , 2022 - 2025
- EREN T., TOPUZOĞULLARI M., CÖMERT Z. Y., çetinkaya i. c., Yivlik Y., Project Supported by Higher Education Institutions, Bitkisel yağlardan polimerler, 2022 - 2024
- Üstündağ C. B., TOPUZOĞULLARI M., TUBITAK Project, Dijital Işık İşleme Yöntemi İle Mikroigne İçeren Kişiyeye Özel Kulak Zarı Yaması Üretimi (Tympatch), 2021 - 2024
- TOPUZOĞULLARI M., DARICI H., Yavuz B., Zorba Yıldız A. P., ABAMOR E. Ş., Project Supported by Higher Education Institutions, Sinir Sistem Hastalıklarında Eksozom Temelli Tedavi Yaklaşımlarının Geliştirilmesi, 2021 - 2023
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