

Personal Information

Email: zakdeste@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/zakdeste>

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of lipopolysaccharide-polyoxidonium complexes and conjugates against the Q fever disease for application purpose of vaccine prototype**
Arayici P., Acar T., Karahan M., DERMAN S., Mustafaeva Z., Toman R.
Fresenius Environmental Bulletin, vol.29, no.12, pp.11349-11357, 2020 (SCI-Expanded)
- II. **An In vivo study: Adjuvant activity of poly-n-vinyl-2-pyrrolidone-co-acrylic acid on immune responses against Melanoma synthetic peptide**
Kızılbeş K., MANSUROĞLU B., DERMAN S., AKDESTE Z.
BIOENGINEERED, vol.9, no.1, pp.134-143, 2018 (SCI-Expanded)
- III. **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., OZTEL 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)
- IV. **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)
- V. **Protein-Polielektrolit Kompleks ve Konjugatlarının Yüksek Performanslı Sıvı Kromatografi Yöntemi ile İncelenmesi**
MANSUROĞLU B., Kızılbeş K., Derman S., Akdeste Z.
Turkish Journal of Biochemistry, vol.36, no.1, pp.21-28, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Polimerik Nanopartiküller**
Derman S., Kızılbeş K., Akdeste Z.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.31, no.1, pp.109-122, 2013 (Peer-Reviewed Journal)
- II. **Difficulties In Synthesis and Characterization of Viral Capsid Peptides**
Özdemir Z. Ö., Karabulut E., Topuzoğulları M., Akdeste Z.
Hacettepe Journal of Biology and Chemistry, vol.36, no.4, pp.329-337, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Yeni Kanser Aşı Stratejileri Geliştirilmesi: Küçük Hücreli Olmayan Akciğer Kanseri (NSCLC) Tedavisi**

İçin Peptid Temelli Aşılar

Özel C., Yücel S., Akdeste Z.

6. Ulusal Biyomühendislik Öğrenci Kongresi, İstanbul, Turkey, 05 April 2018, pp.39

- II. **The preparation of juglone nanostructures, coupled with magnetite nanoparticles, and investigation of their biological activity**
MAHARRAMOV A., akdeste z., DERMAN S., RAMAZANOV M., HASANOVA U., ARASOĞLU T., MANSUROĞLU B., AGHAYEV M., HAJIYEVA S.
Chemistry of Coordination Compounds: Actual Problems of Analytical Chemistry, 16 - 17 November 2017
- III. **Poly(?-caprolactone)-poly(ethylene glycol)-poly(?-caprolactone) (PCL-PEG-PCL) micelles for anti-cancer drug delivery in vitro'**
Gökçe Kocabay Ö., İSMAİL O., AKDESTE Z.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 October 2017, pp.5-10
- IV. **Nanoteknolojide Peptitlerin Kullanımı**
AVERBEK S., YÜCEL S., ACAR T., MUSTAFAEVA Z.
V.Ulusal Nanoteknoloji Kongresi, İstanbul, Turkey, 09 March 2017
- V. **AMİLOİD BETA PEPTİDİNE AİT 1 21 DİZİSİNİN POLİAKRİLİK ASİT İLE SENTEZLENEN BİYOKONJUGATLARININ MTT YÖNTEMİ İLE MEME KANSERİ HÜCRESİNDEKİ ETKİLERİNİN İNCELENMESİ**
İŞCANI EROĞLU B., ÇAKIR KOÇ R., BAĞIROVA M., ALLAHVERDİYEV A., AKDESTE Z.
24. ULUSAL BİYOFİZİK KONGRESİ, Turkey, 25 - 28 September 2012
- VI. **Investigation of behavior of the conjugates between antigenic peptide from influenza A virus M2 protein and polyelectrolyte**
KILINÇ Y., Eroğlu B., AKDESTE Z.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 June 2011, pp.98
- VII. **Canine Parvovirus (CPV) VP2 Synthetic Peptide-Polyacrylic Acid Conjugates: Synthesis and Characterization with Chromatographic Method**
DERMAN S., AKDESTE Z.
36th FEBS Congress, Torino, Italy, 25 June 2011, pp.221
- VIII. **The Characterization of Bovine Serum Albumin Using Capillary Electrophoretic and Spectrofluorimetric Methods**
KILINÇ Y., ÖZÇİMEN D., AKDESTE Z.
BIOMED 2010, 16th International Biomedical Science and Technology Symposium, İstanbul, Turkey, 28 September 2010
- IX. **Chromatographic Investigation of P VP co AA Melanoma Peptide Conjugates**
KIZILBEY K., DERMAN S., AKDESTE Z.
16th International Biomedical Science & Technology Symposium, 29 September - 01 October 2010
- X. **Synthesis And Characterization of Canine Parvovirus (CPV) VP2 71-20 Synthetic Peptide**
DERMAN S., Akdeste Z.
16th International Biomedical Science & Technology Symposium, 01 October 2010
- XI. **A Comparison of Various Characterization Techniques for Gama Globulin**
KILINÇ Y., ÖZÇİMEN D., AKDESTE Z.
BIOMED 2010, 16th International Biomedical Science and Technology Symposium, Istanbul, 01 September 2010
- XII. **Applicability of Capillary Electrophoresis for Proteins and Peptides**
KILINÇ Y., ÖZÇİMEN D., AKDESTE Z.
BIOMED 2010, 16th International Biomedical Science and Technology Symposium, Istanbul, 01 September 2010
- XIII. **Determination of Conjugation Ratio of Antigenic Peptide-Polyelectrolyte Conjugates by Fluorescence Spectroscopy**
KILINÇ Y., Özdemir Z. Ö., Karabulut E., AKDESTE Z.
XVI. International Symposium on Luminescence Spectrometry, Prag, Czech Republic, 13 July 2010, pp.180
- XIV. **Yüksek Basıncılı Sıvı Kromatografisi ile Sığır Serum Albumin Vinil Piroolidon Akrilik Asit Kopolimerinin Kompleks ve Konjugatlarının İncelenmesi**

DERMAN S., ÖZKAN Ö., KIZILBEY K., MANSUROĞLU B., AKDESTE Z.

Kromatografi 2010 Kongresi, Turkey, 16 - 19 June 2010

- XV. **Synthesis and physicochemical characterisation of hemoglobin anionic polyelectrolyte conjugates**
MANSUROĞLU B., DERMAN S., KIZILBEY K., Akdeste Z. M.
35th Congress of the Federation-of-European-Biochemical-Societies, Gothenburg, Sweden, 26 June - 01 July 2010, vol.277, pp.236
- XVI. **BSA Proteini ile VP AA Kopolimer Konjugatlarının Bağlanma Oranlarının Saptanması**
DERMAN S., ÖZKAN Ö., KIZILBEY K., MANSUROĞLU B., AKDESTE Z.
IV. Ulusal Biyomühendislik Kongresi, Turkey, 15 - 18 October 2009
- XVII. **Şap Hastalığı Virüsünün VP1 Kapsid Proteininin Antijenik Özellikli 40 60 170 188 200 213 135 161 Amino Asid Dizili Peptidlerinin Polianyonlara Konjugasyonu**
DERMAN S., ÖZKAN Ö., KIZILBEY K., MANSUROĞLU B., AKDESTE Z.
IV. Ulusal Biyomühendislik Kongresi, Turkey, 15 - 18 October 2009
- XVIII. **Covalent Conjugation of β Galactosidase Enzyme with copolymers of Acrylic acid and N Vinylpyrrolidone 2**
DERMAN S., DEMİRHAN E., AKDESTE Z., ÖZBEK B.
International Enzyme Engineering Symposium, 4 - 09 July 2009
- XIX. **Covalent Conjugation of β Galactosidase Enzyme with Polyacrylic acid**
DERMAN S., DEMİRHAN E., AKDESTE Z., ÖZBEK B.
International Enzyme Engineering Symposium, 4 - 09 July 2009
- XX. **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.302-303
- XXI. **Interaction of bovine serum albumin-polyelectrolyte followed by a novel polarity sensor**
KILINÇ Y., AKDESTE Z., Erçelen Ş., Demchenko A.
34th Congress of the Federation-of-European-Biochemical-Societies, Prag, Czech Republic, 04 July 2009, pp.132
- XXII. **Spectroscopic investigation of protein-anionic polyelectrolyte complexes and conjugates**
DERMAN S., Kizilbey K., MANSUROĞLU B., Akdeste Z.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.135
- XXIII. **Immunogenic Properties of VP1 Protein's Peptide Epitops of of Foot-and-Mouth Disease Virus (FMDV) Covalent Conjugates With Anionic N-Vinylpyrrolidone Copolymers**
MANSUROĞLU B., DERMAN S., Akdeste Z. M.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.135-136
- XXIV. **HPLC investigations of bovine serum albumin-VP/AA copolymer complexes and conjugates**
Kizilbey K., DERMAN S., MANSUROĞLU B., Akdeste Z. M.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.146
- XXV. **Progesterone-containing polyelectrolyte complexes**
KIZILBEY K., DERMAN S., Akdeste Z. M.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.318
- XXVI. **Covalent conjugation of beta-estradiol with polymers by using thionyl chloride methods**
DERMAN S., Kizilbey K., Akdeste Z.
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.356
- XXVII. **HPLC and UV study of water soluble and insoluble complexes of human serum albumin with copolymer of VP/AA**
DERMAN S., KIZILBEY K., Akdeste Z.

34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.136

XXVIII. Adjuvant properties of polyelectrolytes

Mansuroğlu B., Derman S., Kizilbey K., Akdeste Z. M.

34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.146

XXIX. Sentetik Peptid Sığır Serum Albumin Proteini Kovalent Konjugasyonunun Fluoresans Spektrofotometre İle İncelenmesi

MANSUROĞLU B., BUDAMA BATTAL Y., DERMAN S., AKDESTE Z.

XXII. Ulusal Kimya Kongresi, Cyprus (Kkct), 6 - 10 October 2008

XXX. Vinil Prilidon Akrilik Asit Kopolimerinin Sentetik Peptidler İle Kovalent Konjugasyon Mekanizmasının Fluoresans Spektrofotometre İle İncelenmesi

MANSUROĞLU B., BUDAMA BATTAL Y., DERMAN S., AKDESTE Z.

XXII. Ulusal Kimya Kongresi, Cyprus (Kkct), 6 - 10 October 2008

XXXI. Vinilpirolidon Akrilik Asit Kopolimerinin Klasik Yöntemle ve Mikrodalga Destekli Sentezi

MANSUROĞLU B., BUDAMA BATTAL Y., DERMAN S., AKDESTE Z.

XXII. Ulusal Kimya Kongresi, Cyprus (Kkct), 6 - 10 October 2008

XXXII. Sığır Serum Albuminin Vinilpirolidon Akrilik Asit Kopolimeri ile Konjugasyon Mekanizmasının İncelenmesi

MANSUROĞLU B., BUDAMA BATTAL Y., DERMAN S., AKDESTE Z.

XXII. Ulusal Kimya Kongresi, Cyprus (Kkct), 6 - 10 October 2008

XXXIII. Covalent Conjugation of Galactosidase Enzyme with Polyacrylic Acide

DERMAN S., YILMAZ E., AKDESTE Z., ÖZBEK B.

International Enzyme Engineering Symposium (IEES'08), 1 - 05 October 2008, pp.75

XXXIV. Covalent Conjugation of Galactosidase Enzyme with Copolymers of Acrylic Acid and N Vinylpyrrolidine 2

DERMAN S., YILMAZ E., AKDESTE Z., ÖZBEK B.

International Enzyme Engineering Symposium (IEES'08), 1 - 05 October 2008, pp.76

XXXV. Covalent Conjugation of Beta-Galactosidase Enzyme with Copolymers of Acrylic Acid and N-Vinylpyrrolidine-2

DERMAN S., DEMİRHAN YILMAZ E., Akdeste Z., ÖZBEK B.

International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.76

XXXVI. Covalent Conjugation of Beta-Galactosidase Enzyme with Polyacrylic Acide

DERMAN S., DEMİRHAN YILMAZ E., Akdeste Z., ÖZBEK B.

International Enzyme Engineering Symposium (IEES-08), Aydın, Turkey, 01 October 2008, vol.1, pp.75

XXXVII. Microwave assisted Polyelectrolytic bioconjugates of Hepatitis B surface antigenic polypeptides and their immunological properties

AKDESTE Z., Özdemir Z. Ö., Karabulut E., KILINÇ Y.

30th European Peptide Symposium, Helsinki, Finland, 31 August 2008, pp.187

XXXVIII. Water soluble covalent conjugates of peptide epitops of VP1 protein of foot and mouth disease virus FMDV with anionic N vinylpyrrolidone copolymers and their immunogenicity

MANSUROĞLU B., ACAR DERMAN S., AKDESTE Z.

30th European Peptide Symposium, 31 August - 05 September 2008

XXXIX. Size and Zeta Potential Analysis of Synthetic Peptide-Carrier Protein Conjugates Depend on the Time

DERMAN S., DALGAKIRAN E., AKDESTE Z.

30th European Peptide Symposium, Helsinki, Finland, 31 August 2008, pp.1-2

XL. Determination of Conjugation Degree of Synthetic Peptide Polymer Conjugates

DERMAN S., BUDAMA BATTAL Y., MANSUROĞLU B., AKDESTE Z.

30th European Peptide Symposium, 31 August - 05 September 2008

XLI. The study of the interaction of bovine serum albumin with anionic polyelectrolytes by fluorescence method

KILINÇ Y., AKDESTE Z.

Joint Conference of the 33rd FEBS Congress/11th IUBMB Conference, Atina, Greece, 28 June 2008, pp.159

- XLII. **Suda Çözünür Polisakkarit Protein Komplekslerinin Oluşturulması ve Karakterizasyonu**
ACAR DERMAN S., KIZILBEY K., BUDAMA BATTAL Y., SARIÇAY Y., DALGAKIRAN E., AKDESTE Z.
2. Ulusal Polimer Bilim ve Teknolojisi Kongresi ve Sergisi, Turkey, 30 April - 02 May 2008
- XLIII. **Polistiren Sodyum Sülfonat Bovine Serum Albumin Komplekslerinin Spektroskopik ve Kromatografik Yöntemlerle İncelenmesi**
ACAR DERMAN S., KIZILBEY K., BUDAMA BATTAL Y., SARIÇAY Y., DALGAKIRAN E., AKDESTE Z.
2. Ulusal Polimer Bilim ve Teknolojisi Kongresi ve Sergisi, Turkey, 30 April - 02 May 2008
- XLIV. **Vinilpirilidon Akrilik Asit Kopolimerinin Mikrodalga Destekli Sentezi**
ÖZDEMİR Z. Ö., KIZILBEY K., ACAR S., SARIÇAY Y., AKDESTE Z.
2. Ulusal Polimer Bilim ve Teknolojisi Kongresi ve Sergisi, Turkey, 30 April - 02 May 2008
- XLV. **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
- XLVI. **Fluorescamin Yöntemi İle Peptid Protein Ve Peptid Polimer Konjugatlarının Konjugasyon Derecesinin Saptanması**
ACAR S., BUDAMA BATTAL Y., AKDESTE Z., MUSTAFAEV M.
21. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007
- XLVII. **Polielektrolitlerin Sığır Serum Albumin ve İnsan Serum Albumin ile Etkileşiminin Floresans Yöntemi ile İncelenmesi**
KILINÇ Y., AKDESTE Z., Mustafaev Akdeste M.
X. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 04 July 2007, pp.158

Other Publications

- I. **Metal İçeren Biyopolimer Sistemler**
Karahan M., KILINÇ Y., AKDESTE Z.
Other, pp.21-27, 2010
- II. **Moleküler Floresans Spektroskopisi ve Spektrofluorimetreler**
KILINÇ Y., Karahan M., AKDESTE Z.
Other, pp.28-33, 2010

Metrics

Publication: 59

Citation (WoS): 36

Citation (Scopus): 91

H-Index (WoS): 3

H-Index (Scopus): 4

Non Academic Experience

Yıldız Teknik Üniversitesi , Yardımcı Doçent

TÜBİTAK Gen Mühendisliği ve Biyoteknoloji Araştırma Enstitüsü (GMBAE), Arge Personel

Adli Tıp (Azerbaycan) , Yönetici

SSCB Bilimler Akademisi (Moskova, Rusya) , Arge Personel