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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2003 - 2009

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2001 - 2003

Yaptığı Tezler

Doktora, Macroporous poly(hydroxyethyl-methacrylate) based cryogels for depletion of albumin from human serum, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2009

Araştırma Alanları

Çevre Mühendisliği, Çevre Bilimleri, Çevre Kimyası, Çevre Teknolojisi, Su Kirliliği ve Kontrolü, Kimya, Biyokimya, Protein Kimyası, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2021 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - 2021

Yrd. Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - 2018

Öğretim Görevlisi Dr., Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya A.B.D., 2010 - 2015

Araştırma Görevlisi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2002 - 2009

Akademik İdari Deneyim

Hacettepe Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - Devam Ediyor

Verdiği Dersler

Çevre Mikrobiyoloji Laboratuvarı, Lisans, 2016 - 2017

Biyosensörlerin Çevre Uygulamaları, Yüksek Lisans, 2016 - 2017

Çevre Kimyası I, Lisans, 2016 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Development of a molecularly imprinted polymer on silanized graphene oxide for the detection of 17-estradiol in wastewater**
Mughal Z. u. N., AYLAZ G., Shaikh H., Memon S., ANDAÇ A. M.
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- II. **Imprinting-based smart syringe: A fast, efficient, and selective approach for extraction of methyl gallate from *Caesalpinia pulcherrima* extract**
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- III. **Isothermal titration calorimetry binding properties of Cibacron Blue F3GA in complex with human serum albumin**
Andac C. A., ÇAĞLAR S., DENİZLİ A., ANDAÇ A. M.
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- IV. **Molecularly Designed Ion-Imprinted Nanoparticles for Real-Time Sensing of Cu(II) Ions Using Quartz Crystal Microbalance**
Aydoğan N., Aylaz G., YÜCEL M., ARİFİOĞLU T., ANDAÇ A. M.
Biomimetics, cilt.7, sa.4, 2022 (SCI-Expanded)
- V. **Affinity Recognition Based Gravimetric Nanosensor for Equilin Detection**
AYLAZ G., ANDAÇ A. M.
CHEMOSENSORS, cilt.10, sa.5, 2022 (SCI-Expanded)
- VI. **Molecularly imprinted composite discs for transferrin recognition**
AYLAZ G., Zenger O., Baydemir Pesint G., Andac M.
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- VII. **Recognition of human hemoglobin with macromolecularly imprinted polymeric nanoparticles using non-covalent interactions**
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- VIII. **Binding modes of cibacron blue with albumin in affinity chromatography using docking tools**
Kilic S., Andac M., DENİZLİ A.
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- IX. **Molecular docking of metal ion immobilized ligands to proteins in affinity chromatography**
Salha D., Andac M., DENİZLİ A.
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- X. **Molecularly imprinted smart cryogels for selective nickel recognition in aqueous solutions**
Andac M., Tamahkar E., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.138, sa.4, 2021 (SCI-Expanded)
- XI. **Composite Polymeric Cryogel Cartridges for Selective Removal of Cadmium Ions from Aqueous Solutions**
Huseynli S., Bakhshpour M., Qureshi T., Andac M., DENİZLİ A.
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- XII. **Quartz crystal microbalance biosensor for label-free MDA MB 231 cancer cell detection via notch-4 receptor**
Bakhshpour M., Piskin A. K., Yavuz H., DENİZLİ A.
TALANTA, cilt.204, ss.840-845, 2019 (SCI-Expanded)
- XIII. **Comparative assessment of the phase transfer behaviour of InP/ZnS and CuInS/ZnS quantum dots and CdSe/ZnS quantum dots under varying environmental conditions**
MARŞAN D., ŞENGÜL H., Ozdil A. M.
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- XIV. **Surface imprinted bacterial cellulose nanofibers for hemoglobin purification**
BAKHSPOUR M., Tamahkar E., Andac M., DENİZLİ A.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.158, ss.453-459, 2017 (SCI-Expanded)

- XV. **Affinity binding of proteins to the modified bacterial cellulose nanofibers**
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- XVI. **Ion imprinted cryogels for selective removal of Ni(II) ions from aqueous solutions**
Tamahkar E., Bakhshpour M., Andaç M., DENİZLİ A.
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- XVII. **Affinity based and molecularly imprinted cryogels: Applications in biomacromolecule purification**
Andac M., Galaev I. Y., DENİZLİ A.
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- XVIII. **Cibacron blue immobilized poly(glycidyl-methacrylate) nanobeads for albumin removal in proteome studies**
Andac M.
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- XIX. **Composite cryogels for lysozyme purification**
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- XX. **Dye-attached magnetic poly(hydroxyethyl methacrylate) nanospheres for albumin depletion from human plasma**
GOKAY O., KARAKOC V., Andac M., TÜRKMEN D., DENİZLİ A.
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- XXI. **Molecularly Imprinted Cryogels for Human Serum Albumin Depletion**
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- XXII. **Synthesis and characterization of molecularly imprinted polymer embedded composite cryogel discs: application for the selective extraction of cypermethrins from aqueous samples prior to GC-MS analysis**
SHAIKH H., Andac M., Memon N., Bhangar M. I., Nizamani S. M., DENİZLİ A.
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- XXIII. **Molecularly imprinted composite cryogels for hemoglobin depletion from human blood**
Baydemir G., Andac M., Percin I., Derazshamshir A., DENİZLİ A.
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- XXIV. **Affinity-recognition-based polymeric cryogels for protein depletion studies**
Andac M., DENİZLİ A.
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- XXV. **Novel tentacle-type polymer stationary phase grafted with anion exchange polymer chains for open tubular CEC of nucleosides and proteins**
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- XXVII. **Cation exchange/hydrophobic interaction monolithic chromatography of small molecules and proteins by nano liquid chromatography**
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- XXVIII. **Preparation and electrochromatographic characterization of methacrylate-based weak cation exchange columns for capillary electrochromatography**

- Aydogan C., DENİZLİ A.
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- XXIX. **Synthesis and characterization of amino acid containing Cu(II) chelated nanoparticles for lysozyme adsorption**
Baydemir G., Andac M., Derazshamshir A., Uygun D. A., Ozcaliskan E., AKGÖL S., DENİZLİ A.
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- XXX. **Molecularly imprinted composite cryogel for albumin depletion from human serum**
ANDAC M., BAYDEMİR G., Yavuz H., DENİZLİ A.
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- XXXI. **Reversible immobilization of glycoamylase by a variety of Cu²⁺-chelated membranes**
Baydemir G., Derazshamshir A., Andac M., Andac C., DENİZLİ A.
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- XXXII. **Electrochromatographic Enantioseparation of Amino Acids Using Polybutylmethacrylate-based Chiral Monolithic Column by Capillary Electrochromatography**
Aydogan C., DENİZLİ A.
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- XXXIII. **Ion imprinted beads embedded cryogels for in vitro removal of iron from beta-thalassemic human plasma**
ERGUN B., BAYDEMİR G., ANDAC M., Yavuz H., DENİZLİ A.
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- XXXV. **Molecularly imprinted cryogel for L-glutamic acid separation**
AYDOĞAN C., Andac M., BAYRAM E., Say R., DENİZLİ A.
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- XXXVI. **Ion-Imprinted PHEMA Based Monolith for the Removal of Fe³⁺ Ions from Aqueous Solutions**
Ozkara S., Andac M., KARAKOC V., Say R., DENİZLİ A.
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- XXXVII. **Nickel(II)-Imprinted Monolithic Columns for Selective Nickel Recognition**
Demiralay E. C., Andac M., Say R., Alsancak G., DENİZLİ A.
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- XXXVIII. **Molecularly Imprinted PHEMA-Based Cryogel for Depletion of Hemoglobin from Human Blood**
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- XXXIX. **Highly selective ion-imprinted particles for solid-phase extraction of Pb²⁺ ions**
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- XL. **Cadmium removal out of human plasma using ion-imprinted beads in a magnetic column**
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- XLI. **Molecular Recognition-Based Detoxification of Aluminum in Human Plasma**
Demircelik A. M., Andac M., Andac C. A., Say R., DENİZLİ A.
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- XLII. **Bilirubin recognition via molecularly imprinted supermacroporous cryogels**
BAYDEMİR G., BERELİ N., Andac M., Say R., Galaev I. Y., DENİZLİ A.
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- XLIII. **Supermacroporous poly(hydroxyethyl methacrylate) based cryogel with embedded bilirubin**

imprinted particles

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- XLIV. **An Ion-Imprinted Monolith for in Vitro Removal of Iron out of Human Plasma with Beta Thalassemia**
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- XLV. **Protein recognition via ion-coordinated molecularly imprinted supermacroporous cryogels**
BERELİ N., Andac M., BAYDEMİR G., Say R., Galaev I. Y., DENİZLİ A.
JOURNAL OF CHROMATOGRAPHY A, cilt.1190, sa.1-2, ss.18-26, 2008 (SCI-Expanded)
- XLVI. **Poly(hydroxyethyl methacrylate)-based macroporous hydrogels with disulfide cross-linker**
Andac M., Plieva F. M., Denizli A., Galaev I. Y., Mattiasson B.
MACROMOLECULAR CHEMISTRY AND PHYSICS, cilt.209, sa.6, ss.577-584, 2008 (SCI-Expanded)
- XLVII. **Excitation of local field enhancement on silicon nanowires**
Cao L., Garipcan B., Gallo E. M., Nonnenmann S. S., Nabet B., Spanier J. E.
NANO LETTERS, cilt.8, sa.2, ss.601-605, 2008 (SCI-Expanded)
- XLVIII. **A novel DNA biosensor based on ellipsometry**
Demirel G., Caglayan M. O., Garipcan B., Piskin E.
SURFACE SCIENCE, cilt.602, sa.4, ss.952-959, 2008 (SCI-Expanded)
- XLIX. **Predicting the binding properties of cibacron blue F3GA in affinity separation systems**
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.41, sa.4, ss.430-438, 2007 (SCI-Expanded)
- L. **Use of magnetic poly(glycidyl methacrylate) monosize beads for the purification of lysozyme in batch system**
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- LI. **Selective removal of bilirubin from human plasma with bilirubin-imprinted particles**
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- LII. **Ion-imprinted beads for molecular recognition based mercury removal from human serum**
Andac M., Mirel S., Senel S., Say R., Ersoz A., Denizli A.
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- LIII. **Molecular recognition based iron removal from human plasma with imprinted membranes**
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- LIV. **Ion-selective imprinted beads for aluminum removal from aqueous solutions**
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- LV. **Molecular recognition based cadmium removal from human plasma**
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- LVI. **Poly(hydroxyethylmethacrylate-N-methacryloyl-(L)-histidine-methyl-ester) based metal-chelate affinity adsorbent for separation of lysozyme**
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- LVII. **Methacryloylamidocysteine functionalized poly(2-hydroxyethyl methacrylate) beads and its design as a metal-chelate affinity support for human serum albumin adsorption**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Hypericin-Loaded Chitosan Nanoparticles for Enhanced Photodynamic Therapy in A549 Lung Cancer Cells**
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- II. **Nanoplastiklerin Toksik Etkisi**
Nisa Z. U., AYLAZ G., ANDAÇ A. M.
Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi, 2022 (Hakemli Dergi)
- III. **Versatile polymeric cryogels and their biomedical applications** Yazarlar
AKGÖNÜLLÜ S., Bakhshpour M., İDİL N., ANDAÇ A. M., YAVUZ ALAGÖZ H., DENİZLİ A.
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- IV. **Development of ion-imprinted cryogels for selective removal of arsenic from environmental waters**
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- V. **Molecularly Imprinted Polymers for Removal of Metal Ions: An Alternative Treatment Method**
ERDEM Ö., SAYLAN Y., ANDAÇ ÖZDİL A. M., DENİZLİ A.
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- VI. **Molecularly imprinted cryogel columns for Concanavalin A purification from jack bean extract**
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- VII. **Study on an Hydrophilic Interaction Electrochromatography Method for Separation of Sulfonamide Antibiotics**
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- VIII. **Supermacroporous Support Having Dye for Reuseable Enzyme Immobilization**
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- IX. **Performance of dye affinity beads for aluminium removal in magnetically stabilized fluidized bed**
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Kitap & Kitap Bölümleri

- I. **Recent Advances in Molecularly Imprinted Cryogels for Protein Recognition**
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- II. **Ion imprinted polymers**
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- III. **Chapter 6: Molecularly imprinted nanoparticles for the Removal of Arsenic from Environmental Water sources.**
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- IV. **Cryogels: Applications in Extracorporeal Affinity Therapy**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Investigation of Enhanced Uptake of Hypericin with Chitosan Nanoparticles in Lung Cancer**
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- II. **Preparation and Characterization of Hypericin-Loaded Chitosan Nanoparticles**
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- III. **Comparative assessment of phase transfer rates of three types of core-shell CdSe/ZnS, InP/ZnS, CuInSe/ZnS quantum dots from organic-to-water phase**
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- IV. **MACROMOLECULARLY IMPRINTED COMPOSITE CRYOGELS FOR PROTEIN RECOGNITION**
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- V. **Environmental Applications of Supermacroporous Cryogels**
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- VI. **Cytotoxicity of newly synthesized biodegradable macroporous cryogels in human dermal fibroblasts cell line**
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- VII. **Microcontact imprinted based SPR biosensors for the detection of Salmonella paratyphi**
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Metrikler

Yayın: 90

Atıf (WoS): 1951

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