

# Prof. AYŞE MÜGE ANDAÇ

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Hacettepe University, Fen Bilimleri, Kimya, Turkey 2003 - 2009

Postgraduate, Hacettepe University, Fen Bilimleri, Kimya, Turkey 2001 - 2003

## Dissertations

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

## Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Water Pollution and Control, Chemistry, Biochemistry, Protein Chemistry, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2021 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - 2021

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - 2018

Lecturer PhD, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya A.B.D., 2010 - 2015

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2002 - 2009

## Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - Continues

## Courses

Çevre Mikrobiyoloji Laboratuvarı, Undergraduate, 2016 - 2017

Biyosensörlerin Çevre Uygulamaları, Postgraduate, 2016 - 2017

Çevre Kimyası I, Undergraduate, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- 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.  
Water Environment Research, vol.96, no.3, 2024 (SCI-Expanded)
- II. **Imprinting-based smart syringe: A fast, efficient, and selective approach for extraction of methyl gallate from *Caesalpinia pulcherrima* extract**  
Minhas M. A., Shezadi S., ANDAÇ A. M., Shaikh H., Duran S., Tarique Moin S., Faizi S., Bhangar M. I., Malik M. I.  
Journal of Industrial and Engineering Chemistry, 2024 (SCI-Expanded)
- 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.  
Journal of Molecular Recognition, vol.36, no.8, 2023 (SCI-Expanded)
- 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, vol.7, no.4, 2022 (SCI-Expanded)
- V. **Affinity Recognition Based Gravimetric Nanosensor for Equilin Detection**  
AYLAZ G., ANDAÇ A. M.  
CHEMOSENSORS, vol.10, no.5, 2022 (SCI-Expanded)
- VI. **Molecularly imprinted composite discs for transferrin recognition**  
AYLAZ G., Zenger O., Baydemir Pesint G., Andac M.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.57, no.9, pp.1359-1375, 2022 (SCI-Expanded)
- VII. **Recognition of human hemoglobin with macromolecularly imprinted polymeric nanoparticles using non-covalent interactions**  
AYLAZ G., Andac M., DENİZLİ A., DUMAN M.  
JOURNAL OF MOLECULAR RECOGNITION, vol.34, no.12, 2021 (SCI-Expanded)
- VIII. **Binding modes of cibacron blue with albumin in affinity chromatography using docking tools**  
Kilic S., Andac M., DENİZLİ A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.183, pp.110-118, 2021 (SCI-Expanded)
- IX. **Molecular docking of metal ion immobilized ligands to proteins in affinity chromatography**  
Salha D., Andac M., DENİZLİ A.  
JOURNAL OF MOLECULAR RECOGNITION, vol.34, no.2, 2021 (SCI-Expanded)
- X. **Molecularly imprinted smart cryogels for selective nickel recognition in aqueous solutions**  
Andac M., Tamahkar E., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.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.  
POLYMERS, vol.12, no.5, 2020 (SCI-Expanded)
- 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, vol.204, pp.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.  
ENVIRONMENTAL SCIENCE-NANO, vol.6, no.3, pp.879-891, 2019 (SCI-Expanded)
- XIV. **Surface imprinted bacterial cellulose nanofibers for hemoglobin purification**  
BAKHSPOUR M., Tamahkar E., Andac M., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.158, pp.453-459, 2017 (SCI-Expanded)

- XV. **Affinity binding of proteins to the modified bacterial cellulose nanofibers**  
BAKHSPOUR M., Tamahkar E., Andac M., DENİZLİ A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1052, pp.121-127, 2017 (SCI-Expanded)
- XVI. **Ion imprinted cryogels for selective removal of Ni(II) ions from aqueous solutions**  
Tamahkar E., Bakhshpour M., Andaç M., DENİZLİ A.  
Separation and Purification Technology, vol.179, pp.36-44, 2017 (SCI-Expanded)
- XVII. **Affinity based and molecularly imprinted cryogels: Applications in biomacromolecule purification**  
Andac M., Galaev I. Y., DENİZLİ A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1021, pp.69-80, 2016 (SCI-Expanded)
- XVIII. **Cibacron blue immobilized poly(glycidyl-methacrylate) nanobeads for albumin removal in proteome studies**  
Andac M.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.43, no.2, pp.133-139, 2015 (SCI-Expanded)
- XIX. **Composite cryogels for lysozyme purification**  
BAYDEMİR G., TURKOGLU E. A., Andac M., Percin I., DENİZLİ A.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.62, no.2, pp.200-207, 2015 (SCI-Expanded)
- XX. **Dye-attached magnetic poly(hydroxyethyl methacrylate) nanospheres for albumin depletion from human plasma**  
GOKAY O., KARAKOC V., Andac M., TÜRKMEN D., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.43, no.1, pp.62-70, 2015 (SCI-Expanded)
- XXI. **Molecularly Imprinted Cryogels for Human Serum Albumin Depletion**  
Andac M., Galaev I. Y., Yavuz H., DENİZLİ A.  
AFFINITY CHROMATOGRAPHY: METHODS AND PROTOCOLS, 3RD EDITION, vol.1286, pp.233-237, 2015 (SCI-Expanded)
- 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.  
RSC ADVANCES, vol.5, no.34, pp.26604-26615, 2015 (SCI-Expanded)
- XXIII. **Molecularly imprinted composite cryogels for hemoglobin depletion from human blood**  
Baydemir G., Andac M., Percin I., Derazshamshir A., DENİZLİ A.  
JOURNAL OF MOLECULAR RECOGNITION, vol.27, no.9, pp.528-536, 2014 (SCI-Expanded)
- XXIV. **Affinity-recognition-based polymeric cryogels for protein depletion studies**  
Andac M., DENİZLİ A.  
RSC ADVANCES, vol.4, no.59, pp.31130-31141, 2014 (SCI-Expanded)
- XXV. **Novel tentacle-type polymer stationary phase grafted with anion exchange polymer chains for open tubular CEC of nucleosides and proteins**  
Aydoğan C., ÇETİN K., DENİZLİ A.  
ANALYST, vol.139, no.15, pp.3790-3795, 2014 (SCI-Expanded)
- XXVI. **Molecularly imprinted poly(hydroxyethyl methacrylate) based cryogel for albumin depletion from human serum**  
Andac M., Galaev I. Y., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.109, pp.259-265, 2013 (SCI-Expanded)
- XXVII. **Cation exchange/hydrophobic interaction monolithic chromatography of small molecules and proteins by nano liquid chromatography**  
Aydoğan C., YILMAZ F., DENİZLİ A.  
JOURNAL OF SEPARATION SCIENCE, vol.36, no.11, pp.1685-1692, 2013 (SCI-Expanded)
- XXVIII. **Preparation and electrochromatographic characterization of methacrylate-based weak cation exchange columns for capillary electrochromatography**

- Aydogan C., DENİZLİ A.  
ANALYST, vol.138, no.7, pp.2118-2125, 2013 (SCI-Expanded)
- 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.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, no.1, pp.532-536, 2013 (SCI-Expanded)
- XXX. **Molecularly imprinted composite cryogel for albumin depletion from human serum**  
ANDAC M., BAYDEMİR G., YAVUZ H., DENİZLİ A.  
JOURNAL OF MOLECULAR RECOGNITION, vol.25, no.11, pp.555-563, 2012 (SCI-Expanded)
- XXXI. **Reversible immobilization of glycoamylase by a variety of Cu<sup>2+</sup>-chelated membranes**  
Baydemir G., Derazshamshir A., Andac M., Andac C., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.126, no.2, pp.575-586, 2012 (SCI-Expanded)
- XXXII. **Electrochromatographic Enantioseparation of Amino Acids Using Polybutylmethacrylate-based Chiral Monolithic Column by Capillary Electrochromatography**  
Aydogan C., DENİZLİ A.  
CHIRALITY, vol.24, no.8, pp.606-609, 2012 (SCI-Expanded)
- 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.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, no.1, pp.254-262, 2012 (SCI-Expanded)
- XXXIV. **Dye attached poly(hydroxyethyl methacrylate) cryogel for albumin depletion from human serum**  
Andac M., Galaev I., DENİZLİ A.  
JOURNAL OF SEPARATION SCIENCE, vol.35, no.9, pp.1173-1182, 2012 (SCI-Expanded)
- XXXV. **Molecularly imprinted cryogel for L-glutamic acid separation**  
AYDOĞAN C., Andac M., BAYRAM E., Say R., DENİZLİ A.  
BIOTECHNOLOGY PROGRESS, vol.28, no.2, pp.459-466, 2012 (SCI-Expanded)
- XXXVI. **Ion-Imprinted PHEMA Based Monolith for the Removal of Fe<sup>3+</sup> Ions from Aqueous Solutions**  
Ozkara S., Andac M., KARAKOC V., Say R., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.3, pp.1829-1836, 2011 (SCI-Expanded)
- XXXVII. **Nickel(II)-Imprinted Monolithic Columns for Selective Nickel Recognition**  
Demiralay E. C., Andac M., Say R., Alsancak G., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.117, no.6, pp.3704-3714, 2010 (SCI-Expanded)
- XXXVIII. **Molecularly Imprinted PHEMA-Based Cryogel for Depletion of Hemoglobin from Human Blood**  
DERAZSHAMSHİR A. M., Baydemir G., Andac M., Say R., Galaev I. Y., DENİZLİ A.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.211, no.6, pp.657-668, 2010 (SCI-Expanded)
- XXXIX. **Highly selective ion-imprinted particles for solid-phase extraction of Pb<sup>2+</sup> ions**  
Esen C., Andac M., BERELİ N., Say R., Henden E., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.29, no.8, pp.2464-2470, 2009 (SCI-Expanded)
- XL. **Cadmium removal out of human plasma using ion-imprinted beads in a magnetic column**  
Candan N., Tuzmen N., Andac M., Andac C. A., Say R., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS, vol.29, no.1, pp.144-152, 2009 (SCI-Expanded)
- XLI. **Molecular Recognition-Based Detoxification of Aluminum in Human Plasma**  
Demircelik A. M., Andac M., Andac C. A., Say R., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.20, no.9, pp.1235-1258, 2009 (SCI-Expanded)
- XLII. **Bilirubin recognition via molecularly imprinted supermacroporous cryogels**  
BAYDEMİR G., BERELİ N., Andac M., Say R., Galaev I. Y., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.68, no.1, pp.33-38, 2009 (SCI-Expanded)
- XLIII. **Supermacroporous poly(hydroxyethyl methacrylate) based cryogel with embedded bilirubin**

## **imprinted particles**

BAYDEMİR G., BERELİ N., Andac M., Say R., Galaev I. Y., DENİZLİ A.

REACTIVE & FUNCTIONAL POLYMERS, vol.69, no.1, pp.36-42, 2009 (SCI-Expanded)

- XLIV. **An Ion-Imprinted Monolith for in Vitro Removal of Iron out of Human Plasma with Beta Thalassemia**  
Ozkara S., SAY R., Andac C., DENİZLİ A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.20, pp.7849-7856, 2008 (SCI-Expanded)
- 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, vol.1190, no.1-2, pp.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, vol.209, no.6, pp.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, vol.8, no.2, pp.601-605, 2008 (SCI-Expanded)
- XLVIII. **A novel DNA biosensor based on ellipsometry**  
Demirel G., Caglayan M. O., Garipcan B., Piskin E.  
SURFACE SCIENCE, vol.602, no.4, pp.952-959, 2008 (SCI-Expanded)
- XLIX. **Predicting the binding properties of cibacron blue F3GA in affinity separation systems**  
Andac C. A., Andac M., Denizli A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.41, no.4, pp.430-438, 2007 (SCI-Expanded)
- L. **Use of magnetic poly(glycidyl methacrylate) monosize beads for the purification of lysozyme in batch system**  
Altintas E. B., Tuezmen N., Candan N., Denizli A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.853, pp.105-113, 2007 (SCI-Expanded)
- LI. **Selective removal of bilirubin from human plasma with bilirubin-imprinted particles**  
BAYDEMİR G., Andac M., Bereli N., SAY R., Denizli A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.46, no.9, pp.2843-2852, 2007 (SCI-Expanded)
- 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.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.40, no.2, pp.159-166, 2007 (SCI-Expanded)
- LIII. **Molecular recognition based iron removal from human plasma with imprinted membranes**  
Yavuz H., ANDAC M., UZUN L., SAY R., DENİZLİ A.  
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol.29, no.9, pp.900-911, 2006 (SCI-Expanded)
- LIV. **Ion-selective imprinted beads for aluminum removal from aqueous solutions**  
Andac M., ÖZYAPI E., Senel S., SAY R., Denizli A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.45, no.5, pp.1780-1786, 2006 (SCI-Expanded)
- LV. **Molecular recognition based cadmium removal from human plasma**  
Andac M., Say R., Denizli A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.811, no.2, pp.119-126, 2004 (SCI-Expanded)
- LVI. **Poly(hydroxyethylmethacrylate-N-methacryloyl-(L)-histidine-methyl-ester) based metal-chelate affinity adsorbent for separation of lysozyme**  
Senel S., Elmas B., Camli T., Andac M., Denizli A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.39, no.16, pp.3783-3795, 2004 (SCI-Expanded)
- LVII. **Methacryloylamidocysteine functionalized poly(2-hydroxyethyl methacrylate) beads and its design as a metal-chelate affinity support for human serum albumin adsorption**  
GARİPCAN B., Andac M., Uzun L., Denizli A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.59, no.2, pp.119-128, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Hypericin-Loaded Chitosan Nanoparticles for Enhanced Photodynamic Therapy in A549 Lung Cancer Cells**  
Taşkonak B., Aylaz G., Andaç A. M., Güven E., Özkahraman B., Perçin Demirçelik I., Kılıç Süloğlu A.  
BIONANOSCIENCE, vol.1, pp.1-10, 2023 (ESCI)
- II. **Nanoplastiklerin Toksik Etkisi**  
Nisa Z. U., AYLAZ G., ANDAÇ A. M.  
Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi, 2022 (Peer-Reviewed Journal)
- III. **Versatile polymeric cryogels and their biomedical applications** Yazarlar  
AKGÖNÜLLÜ S., Bakhshpour M., İDİL N., ANDAÇ A. M., YAVUZ ALAGÖZ H., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.48, no.2, pp.99-118, 2020 (Peer-Reviewed Journal)
- IV. **Development of ion-imprinted cryogels for selective removal of arsenic from environmental waters**  
BEKTAŞ H., Andac M., ÇETİN K., Qureshi T., DENİZLİ A.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.9, no.4, pp.4119-4125, 2019 (ESCI)
- V. **Molecularly Imprinted Polymers for Removal of Metal Ions: An Alternative Treatment Method**  
ERDEM Ö., SAYLAN Y., ANDAÇ ÖZDİL A. M., DENİZLİ A.  
biomimetics, 2018 (Peer-Reviewed Journal)
- VI. **Molecularly imprinted cryogel columns for Concanavalin A purification from jack bean extract**  
ÇİMEN D., BERELİ N., Andac M., DENİZLİ A.  
SEPARATION SCIENCE PLUS, vol.1, no.6, pp.454-463, 2018 (ESCI)
- VII. **Study on an Hydrophilic Interaction Electrochromatography Method for Separation of Sulfonamide Antibiotics**  
AYDOĞAN C., YILMAZ F., ÇİMEN D., ANDAÇ ÖZDİL A. M., SHAIKH H., DENİZLİ A.  
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.42, pp.443-450, 2014 (Peer-Reviewed Journal)
- VIII. **Supermacroporous Support Having Dye for Reuseable Enzyme Immobilization**  
TÜZMEN M. N., BERELİ N., ANDAÇ ÖZDİL A. M., AKGÖL S., DENİZLİ A.  
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.36, pp.9-19, 2008 (Peer-Reviewed Journal)
- IX. **Performance of dye affinity beads for aluminium removal in magnetically stabilized fluidized bed**  
YAVUZ ALAGÖZ H., SAY R., ANDAÇ ÖZDİL A. M., Bayraktar N., DENİZLİ A.  
BioMagnetic Research and Technology, vol.2, no.1, pp.5, 2004 (Scopus)

## Books & Book Chapters

- I. **Recent Advances in Molecularly Imprinted Cryogels for Protein Recognition**  
ANDAÇ ÖZDİL A. M., GALAEV I., DENİZLİ A.  
in: Cryogels and Monoliths, Bo Mattiasson, Adil Denizli, Editor, Hacettepe University, 2018
- II. **Ion imprinted polymers**  
TAMAHKAR IRMAK E., PERÇİN DEMİRÇELİK I., ANDAÇ ÖZDİL A. M., DENİZLİ A.  
in: Molecular Imprinting, Adil Denizli, Editor, Hacettepe Üniversitesi, Ankara, pp.143-167, 2018
- III. **Chapter 6: Molecularly imprinted nanoparticles for the Removal of Arsenic from Environmental Water sources.**  
KARAKOÇ V., ANDAÇ ÖZDİL A. M., DENİZLİ A.  
in: Nanomaterials for Water Remediation Carbon based materials, Ajay Kumar Mishra, Editor, Smithers Rapra, 2016
- IV. **Cryogels: Applications in Extracorporeal Affinity Therapy**  
YAVUZ ALAGÖZ H., BERELİ N., BAYDEMİR PEŞİNT G., ANDAÇ A. M., TÜRKMEN D., DENİZLİ A.  
in: Supermacroporous Cryogels: Biomedical and Biotechnological Applications, Ashok Kumar, Editor, Taylor and Francis, Indianapolis, pp.387-416, 2016

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Enhanced Uptake of Hypericin with Chitosan Nanoparticles in Lung Cancer**  
TAŞKONAK B., AYLAZ G., ANDAÇ A. M., GÜVEN E., ÖZKAHRAMAN B., PERÇİN DEMİRÇELİK I., SANİN S., KILIÇ SÜLOĞLU A.  
SECOND INTERNATIONAL MULTIDISCIPLINARY CANCER RESEARCH CONGRESS, 21 July 2022
- II. **Preparation and Characterization of Hypericin-Loaded Chitosan Nanoparticles**  
TAŞKONAK B., AYLAZ G., ANDAÇ A. M., GÜVEN E., ÖZKAHRAMAN B., PERÇİN DEMİRÇELİK I., KILIÇ SÜLOĞLU A.  
9 th International Conference on Materials Science and Nanotechnology for Next Generation, 22 September 2022
- 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**  
MARŞAN D., ŞENGÜL H., ANDAÇ ÖZDİL A. M.  
1.ULUSLARARASI İÇMESUYU ve ATIKSU SEMPOZYUMU, 6 - 07 December 2018
- IV. **MACROMOLECULARLY IMPRINTED COMPOSITE CRYOGELS FOR PROTEIN RECOGNITION**  
ANDAÇ ÖZDİL A. M., BAYDEMİR PEŞİNT G., DENİZLİ A.  
International Biomedical Engineering Congress 18 IBMEC12, 24 - 27 May 2018
- V. **Environmental Applications of Supermacroporous Cryogels**  
ANDAÇ ÖZDİL A. M.  
ICNEI 18, 12 - 16 April 2018
- VI. **Cytotoxicity of newly synthesized biodegradable macroporous cryogels in human dermal fibroblasts cell line**  
Percin I., Andac M., Suloglu A. K., DENİZLİ A.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- VII. **Microcontact imprinted based SPR biosensors for the detection of Salmonella paratyphi**  
PERÇİN DEMİRÇELİK I., İDİL N., BAKHSHPOUR M., YILMAZ E., DENİZLİ A.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- VIII. **Cu(II)-Imprinted Nanoparticles for Real Time Detection of Cu(II) Ions**  
ANDAÇ ÖZDİL A. M., AYDOĞAN N., BAKSHPOUR M., DENİZLİ A.  
2nd World Congress on Recent Advances in Nanotechnology, 4 - 06 April 2017
- IX. **Modifiye Edilmiş Bakteriyel Selüloz Nanofiberler ile Protein Adsorpsiyonu**  
Bakhshpour M., TAMAHKAR IRMAK E., ANDAÇ ÖZDİL A. M., DENİZLİ A.  
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- X. **Protein Baskılanmış Polimerler**  
ANDAÇ ÖZDİL A. M.  
Protein Kromatografisi ve Yeni Nesil Polimerik Sistemler Yaz Okulu, Turkey, 8 - 10 June 2016
- XI. **Preparation of Molecularly Imprinted Nanoparticles for Selective Determination of Hemoglobin with UV visible spectrometer**  
AYLAZ G., ÇİÇEK Ç., ANDAÇ ÖZDİL A. M., DUMAN M.  
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- XII. **Characterization of Ion Imprinted Based Nanosensor for Real Time Detection Of Cu Ii Ions**  
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- XIV. **Monitoring the Water Quality using Citizen Science Approach**  
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- XV. **Ion imprinted Polymers in Therapeutic and Environmental Applications**  
ANDAÇ ÖZDİL A. M.

9th National Affinity Techniques Symposium with International contributions-AFFTECH 2015, Turkey, 6 - 12 April 2015

**XVI. Macro molecularly Imprinted Cryogels of Transferrin Separation**

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**XVII. Moleküler Baskılanmış Kriyojellerin Biyomakromoleküllerin Tanınmasına Yönelik Uygulamaları**

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## Supported Projects

KILIÇ SÜLOĞLU A., GÜVEN E., ANDAÇ ÖZDİL A. M., AYLAZ G., Taşkonak B., Project Supported by Higher Education Institutions, Hiperisin Yüklü Kitosan Nanopartiküllerin A549 Akciğer Kanseri Hücrelerinde Etkilerinin Araştırılması, 2019 - 2021

ANDAÇ A. M., ÇİÇEK Ç., Project Supported by Higher Education Institutions, SULARDAN AĞIR METAL ARITIMI İÇİN SEPIYOLİT İÇERİKLİ NANOKOMPOZİT KARTUSLAR, 2018 - 2020

ANDAÇ A. M., TÜBİTAK Project, Cu(II) İyonlarının Gerçek Zamanlı Tayini İçin İyon Baskılama Temelli Nanosensör Hazırlanması, 2017 - 2018

ANDAÇ A. M., ÇUBUKÇU H. E., Project Supported by Higher Education Institutions, AĞIR METAL UZAKLAŞTIRILMASI İÇİN SEPIYOLİT İÇERİKLİ KRİYOJELLERİN HAZIRLANMASI VE KARAKTERİZASYONU, 2017 - 2018

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PERÇİN DEMİRÇELİK I., DENİZLİ A., ANDAÇ ÖZDİL A. M., KILIÇ SÜLOĞLU A., Project Supported by Higher Education Institutions, Yeni Nesil Biyobozunur Makrogözenekli Kriyojellerin İnsan Dermal Fibroblast Hücre Hattında Sitotoksitesi, 2017 - 2017

ANDAÇ A. M., Project Supported by Higher Education Institutions, Cu(II) Baskılanmış Nanoküreler, 2017 - 2017

ANDAÇ A. M., Project Supported by Higher Education Institutions, Boya bağlı nanoküreler ile albumin uzaklaştırılması, 2016 - 2017

ANDAÇ A. M., Project Supported by Higher Education Institutions, Bilgisayarlı Ortamda Metal Ligand Etkileşimlerinin İncelenmesi, 2015 - 2016

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## Metrics

Publication: 90

Citation (WoS): 1951

Citation (Scopus): 2170

H-Index (WoS): 25

H-Index (Scopus): 26