

# Prof. NİLAY BERELİ

## Personal Information

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## Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2005 - 2010

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2003 - 2005

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya, Turkey 1997 - 2003

## Dissertations

Doctorate, Monoklonal Antibadi Saflaştırılması İçin Eşboyutlu Manyetik Partiküllerin Hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Postgraduate, Antibadi Saflaştırılması İçin Monolitik Çubukların Tasarımı, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

## Research Areas

Chemistry, Biochemistry, Amino Acids, Biosynthesis, Protein Chemistry, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2015 - Continues

Expert, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2008 - 2015

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

- I. **Molecular imprinted nanoparticle assisted surface plasmon resonance biosensors for detection of thrombin**  
ÇİMEN D., BERELİ N., Gunaydin S., DENİZLİ A.  
TALANTA, vol.246, 2022 (Journal Indexed in SCI)
- II. **Metal-chelated polyamide hollow fiber membranes for ovalbumin purification from egg white**  
Ozbek M. A., ÇİMEN D., BERELİ N., DENİZLİ A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1203, 2022 (Journal Indexed in SCI)
- III. **Fab fragment immobilized immunoaffinity cryogels as a tool for human serum albumin purification: Characterization of Fab immobilized cryogels**  
Huseynli S., ÇİMEN D., BERELİ N., DENİZLİ A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES,

vol.1203, 2022 (Journal Indexed in SCI)

- IV. **Highly Selective Benzo[a]Pyrene Detection Even under Competitive Conditions with Molecularly Imprinted Surface Plasmon Resonance Sensor**  
Corman M. E. , ARMUTCU ÇORMAN C., Karasu T., ÖZGÜR E., UZUN L.  
POLYCYCLIC AROMATIC COMPOUNDS, 2022 (Journal Indexed in SCI)
- V. **Diclofenac Imprinted Surface Plasmon Resonance (SPR) Based Sensor**  
Caktu K., ÖZGÜR E., BERELİ N., DENİZLİ A.  
CHEMISTRYSELECT, vol.7, no.18, 2022 (Journal Indexed in SCI)
- VI. **Effect of donkey milk lactoferrin and lysozyme on yoghurt properties**  
AKAL DEMİRDÖĞEN H. C. , Ozturkoglu-Budak S., BERELİ N., ÇİMEN D., AKGÖNÜLLÜ S.  
MLJEKARSTVO, vol.72, no.2, pp.77-87, 2022 (Journal Indexed in SCI)
- VII. **Preparation of surface plasmon resonance-based nanosensor for curcumin detection**  
Cikrik S., ÇİMEN D., BERELİ N., DENİZLİ A.  
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.1, pp.14-26, 2021 (Journal Indexed in SCI)
- VIII. **Surface Plasmon Resonance-Based Immunosensor for Igm Detection with Gold Nanoparticles**  
BERELİ N., Bakhshpour M., TOPÇU A. A. , DENİZLİ A.  
MICROMACHINES, vol.12, no.9, 2021 (Journal Indexed in SCI)
- IX. **Patulin Imprinted Nanoparticles Decorated Surface Plasmon Resonance Chips for Patulin Detection**  
ÇİMEN D., BERELİ N., DENİZLİ A.  
PHOTONIC SENSORS, 2021 (Journal Indexed in SCI)
- X. **Use of antimicrobial proteins of donkey milk as preservative agents in Kashar cheese production**  
Ozturkoglu-Budak S., Akal H. C. , BERELİ N., ÇİMEN D., AKGÖNÜLLÜ S.  
International Dairy Journal, vol.120, 2021 (Journal Indexed in SCI)
- XI. **Optical Sensor-Based Molecular Imprinted Poly(Hydroxyethyl Methacrylyze-N-Methacryloyl-(L)-Histidine Methyl ester) Thin Films for Determination of Tartrazine in Fruit Juice**  
BERELİ N., ÇİMEN D., DENİZLİ A.  
IEEE SENSORS JOURNAL, vol.21, no.12, pp.13215-13222, 2021 (Journal Indexed in SCI)
- XII. **Injectable Cryogels in Biomedicine**  
ÇİMEN D., Ozbek M. A. , BERELİ N., Mattiasson B., DENİZLİ A.  
GELS, vol.7, no.2, 2021 (Journal Indexed in SCI)
- XIII. **Surface Plasmon Resonance Based on Molecularly Imprinted Polymeric Film for l-Phenylalanine Detection**  
ÇİMEN D., BERELİ N., DENİZLİ A.  
BIOSENSORS-BASEL, vol.11, no.1, 2021 (Journal Indexed in SCI)
- XIV. **Detection of amoxicillin residues in egg extract with a molecularly imprinted polymer on gold microchip using surface plasmon resonance and quartz crystal microbalance methods**  
BERELİ N., ÇİMEN D., Huseynli S., DENİZLİ A.  
JOURNAL OF FOOD SCIENCE, vol.85, pp.4152-4160, 2020 (Journal Indexed in SCI)
- XV. **Detection of cardiac troponin-I by optic biosensors with immobilized anti-cardiac troponin-I monoclonal antibody**  
ÇİMEN D., BERELİ N., Gunaydin S., DENİZLİ A.  
TALANTA, vol.219, 2020 (Journal Indexed in SCI)
- XVI. **Protein chromatography by molecular imprinted cryogels**  
BERELİ N., Yavuz H., DENİZLİ A.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.43, pp.657-670, 2020 (Journal Indexed in SCI)
- XVII. **Metal-chelated magnetic nanoparticles for protein C purification**  
ÇİMEN D., BERELİ N., DENİZLİ A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.55, no.13, pp.2259-2268, 2020 (Journal Indexed in SCI)
- XVIII. **Molecularly imprinted cryogel cartridges for the selective recognition of tyrosine**  
Bakhshpour M., GÖKTÜRK BAŞAL I., BERELİ N., DENİZLİ A.

BIOTECHNOLOGY PROGRESS, 2020 (Journal Indexed in SCI)

- XXIX. **Surface Plasmon Resonance Nanosensors for Detecting Amoxicillin in Milk Samples with Amoxicillin Imprinted Poly(hydroxyethyl methacrylate-N-methacryloyl-(L)- glutamic acid)**  
Faalnouri S., ÇİMEN D., BERELİ N., DENİZLİ A.  
CHEMISTRYSELECT, vol.5, no.15, pp.4761-4769, 2020 (Journal Indexed in SCI)
- XX. **Poly(Hydroxyethyl Methacrylate) Immunoaffinity Cryogel Column for the Purification of Human Immunoglobulin M**  
Bakhshpour M., TOPÇU A. A. , BERELİ N., Alkan H., DENİZLİ A.  
GELS, vol.6, no.1, 2020 (Journal Indexed in SCI)
- XXI. **A dye-affinity cryogel membrane for malate dehydrogenase purification from Saccharomyces cerevisiae**  
Hamade K., Gokturk I., BERELİ N., TÜRKMEN D., Elkak A., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.31, pp.38-52, 2020 (Journal Indexed in SCI)
- XXII. **Molecularly imprinted polymer integrated plasmonic nanosensor for cocaine detection**  
ÖZGÜR E., SAYLAN Y., BERELİ N., TÜRKMEN D., DENİZLİ A.  
Journal of Biomaterials Science, Polymer Edition, 2020 (Journal Indexed in SCI)
- XXIII. **Cholesterol removal from human plasma with biologically modified cryogels**  
Uzunoglu G., ÇİMEN D., BERELİ N., Cetin K., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.30, no.14, pp.1276-1290, 2019 (Journal Indexed in SCI)
- XXIV. **Real time monitoring and label free creatinine detection with artificial receptors**  
Topcu A. A. , ÖZGÜR E., Yilmaz F., BERELİ N., DENİZLİ A.  
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.244, pp.6-11, 2019 (Journal Indexed in SCI)
- XXV. **Molecularly imprinted polymer based quartz crystal microbalance sensor for the clinical detection of insulin**  
KARTAL F., ÇİMEN D., BERELİ N., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.97, pp.730-737, 2019 (Journal Indexed in SCI)
- XXVI. **Synthesis of hydroxyethyl-methacrylate-(L)-histidine methyl ester cryogels. Application on the separation of bovine immunoglobulin G**  
ELKAK A., HAMADE A., BERELİ N., Armutcu C., DENİZLİ A.  
ANALYTICAL BIOCHEMISTRY, vol.525, pp.1-7, 2017 (Journal Indexed in SCI)
- XXVII. **Protein C recognition by ion-coordinated imprinted monolithic cryogels**  
DEMİRCİ B., BERELİ N., Asliyuca S., Baydemir G., DENİZLİ A.  
JOURNAL OF SEPARATION SCIENCE, vol.40, no.7, pp.1610-1620, 2017 (Journal Indexed in SCI)
- XXVIII. **Plastic antibody based surface plasmon resonance nanosensors for selective atrazine detection**  
Yilmaz E., ÖZGÜR E., BERELİ N., TÜRKMEN D., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.73, pp.603-610, 2017 (Journal Indexed in SCI)
- XXIX. **Development of surface plasmon resonance sensors based on molecularly imprinted nanofilms for sensitive and selective detection of pesticides**  
SAYLAN Y., AKGONULLU S., ÇİMEN D., DERAZSHAMSHIR A., BERELİ N., Yilmaz F., DENİZLİ A.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.241, pp.446-454, 2017 (Journal Indexed in SCI)
- XXX. **Microcontact imprinted quartz crystal microbalance nanosensor for protein C recognition**  
Bakhshpour M., ÖZGÜR E., BERELİ N., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.151, pp.264-270, 2017 (Journal Indexed in SCI)
- XXXI. **Histidine-epoxy-activated sepharose beads embedded poly (2-hydroxyethyl methacrylate) cryogels for pseudobiospecific adsorption of human immunoglobulin G**  
Corman M. E. , Armutcu C., BERELİ N., Elkak A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.12, pp.915-922,

- 2017 (Journal Indexed in SCI)
- XXXII. **Creatinine imprinted poly(hydroxyethyl methacrylate) based cryogel cartridges**  
Topcu A. A. , BERELİ N., ALBAYRAK İ., DENİZLİ A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.8, pp.495-501,  
2017 (Journal Indexed in SCI)
- XXXIII. **Molecularly imprinted cryogel as a pH-responsive delivery system for doxorubicin**  
ÇETİN K., Alkan H., BERELİ N., DENİZLİ A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.54, no.8, pp.502-508,  
2017 (Journal Indexed in SCI)
- XXXIV. **Synthesis of novel monolithic cartridges with specific recognition sites for extraction of melamine**  
DURŞUN E. M. , ÜZEK R., BERELİ N., ŞENEL S., DENİZLİ A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.109, pp.33-41, 2016 (Journal Indexed in SCI)
- XXXV. **Preparation of cryogel columns for depletion of hemoglobin from human blood**  
Derazshamshir A., Baydemir G., Yılmaz F., BERELİ N., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.3, pp.792-799, 2016 (Journal Indexed in  
SCI)
- XXXVI. **[PHEMA/PEI]-Cu(II) based immobilized metal affinity chromatography cryogels: Application on the  
separation of IgG from human plasma**  
Bakhshpour M., Derazshamshir A., BERELİ N., Elkak A., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.61, pp.824-831, 2016  
(Journal Indexed in SCI)
- XXXVII. **Superior magnetic monodisperse particles for direct purification of immunoglobulin G under  
magnetic field**  
BERELİ N., DENİZLİ A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.53, no.3, pp.160-168,  
2016 (Journal Indexed in SCI)
- XXXVIII. **Megaporous poly(hydroxy ethylmethacrylate) based poly(glycidylmethacrylate-N-methacryloyl-(L)-  
tryptophan) embedded composite cryogel**  
TÜRKMEN D., BERELİ N., Derazshamshir A., Percin I., SHAIKH H., Yılmaz F.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.130, pp.61-68, 2015 (Journal Indexed in SCI)
- XXXIX. **Comparison of Two Different Reactive Dye Immobilized Poly(Hydroxyethyl Methacrylate) Cryogel  
Discs for Purification of Lysozyme**  
PERÇİN DEMİRÇELİK İ., ŞENER G., Dmirçelik A. H. , BERELİ N., DENİZLİ A.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.175, no.6, pp.2795-2805, 2015 (Journal Indexed in SCI)
- XL. **Cryogels for Affinity Chromatography**  
BERELİ N., TÜRKMEN D., Yavuz H., Galaev I. Y. , DENİZLİ A.  
ADVANCED SEPARATIONS BY SPECIALIZED SORBENTS, vol.108, pp.39-67, 2015 (Journal Indexed in SCI)
- XLI. **Molecular imprinted magnetic nanoparticles for controlled delivery of mitomycin C**  
TÜRKMEN D., BERELİ N., CORMAN M. E. , SHAIKH H., AKGÖL S., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.5, pp.316-322, 2014 (Journal Indexed in  
SCI)
- XLII. **Molecularly Imprinted Supermacroporous Cryogels for Myoglobin Recognition**  
Erturk G., BERELİ N., Ramteke P. W. , DENİZLİ A.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.173, no.5, pp.1250-1262, 2014 (Journal Indexed in SCI)
- XLIII. **Aspartic acid incorporated monolithic columns for affinity glycoprotein purification**  
Armutcu C., BERELİ N., Bayram E., UZUN L., Say R., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.114, pp.67-74, 2014 (Journal Indexed in SCI)
- XLIV. **Monolithic Boronate Affinity Columns for IgG Separation**  
SAYLAN Y., BERELİ N., UZUN L., DENİZLİ A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.49, no.10, pp.1555-1565, 2014 (Journal Indexed in SCI)
- XLV. **Preparation and characterization of thiophilic cryogels with 2-mercapto ethanol as the ligand for**

## **IgG purification**

BAKSHSHPOUR M., BERELİ N., ŞENEL S.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.113, pp.261-268, 2014 (Journal Indexed in SCI)

- XLVI. **Molecularly imprinted cryogels for human interferon-alpha purification from human gingival fibroblast culture**  
Erturk G., BERELİ N., Tumer M. A. , Say R., DENİZLİ A.  
JOURNAL OF MOLECULAR RECOGNITION, vol.26, no.12, pp.633-642, 2013 (Journal Indexed in SCI)
- XLVII. **Hydrophobic cryogels for DNA adsorption: Effect of embedding of monosize microbeads into cryogel network on their adsorptive performances**  
CORMAN M. E. , BERELİ N., Ozkara S., UZUN L., DENİZLİ A.  
BIOMEDICAL CHROMATOGRAPHY, vol.27, no.11, pp.1524-1531, 2013 (Journal Indexed in SCI)
- XLVIII. **Oriented immobilized anti-hIgG via Fc fragment-imprinted PHEMA cryogel for IgG purification**  
BERELİ N., Erturk G., Tumer M. A. , Say R., DENİZLİ A.  
BIOMEDICAL CHROMATOGRAPHY, vol.27, no.5, pp.599-607, 2013 (Journal Indexed in SCI)
- XLIX. **Glutamic acid containing supermacroporous poly( hydroxyethyl methacrylate) cryogel disks for UO22+ removal**  
BERELİ N., TÜRKMEN D., KOSE K., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.7, pp.2052-2059, 2012 (Journal Indexed in SCI)
- L. **Antibody Purification from Human Plasma by Metal-Chelated Affinity Membranes**  
Yavuz H., BERELİ N., Armutcu C., Yilmaz F., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.6, pp.3476-3484, 2012 (Journal Indexed in SCI)
- LI. **Histidine Containing Macroporous Affinity Cryogels for Immunoglobulin G Purification**  
BERELİ N., Erturk G., DENİZLİ A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.47, no.12, pp.1813-1820, 2012 (Journal Indexed in SCI)
- LII. **Molecularly imprinted supermacroporous cryogels for cytochrome c recognition**  
TAMAHKAR E., BERELİ N., Say R., DENİZLİ A.  
JOURNAL OF SEPARATION SCIENCE, vol.34, no.23, pp.3433-3440, 2011 (Journal Indexed in SCI)
- LIII. **L-Histidine imprinted supermacroporous cryogels for protein recognition**  
BERELİ N., SAYLAN Y., UZUN L., Say R., DENİZLİ A.  
SEPARATION AND PURIFICATION TECHNOLOGY, vol.82, pp.28-35, 2011 (Journal Indexed in SCI)
- LIV. **PHEMA cryogel for in-vitro removal of anti-dsDNA antibodies from SLE plasma**  
ÖZGÜR E., BERELİ N., TÜRKMEN D., ÜNAL S., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.31, no.5, pp.915-920, 2011 (Journal Indexed in SCI)
- LV. **Oriented immobilized anti-LDL antibody carrying poly(hydroxyethyl methacrylate) cryogel for cholesterol removal from human plasma**  
BERELİ N., Sener G., Yavuz H., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.31, no.5, pp.1078-1083, 2011 (Journal Indexed in SCI)
- LVI. **Monosize microbeads for pseudo-affinity adsorption of human insulin**  
SARI M. M. , Armutcu C., BERELİ N., UZUN L., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.84, no.1, pp.140-147, 2011 (Journal Indexed in SCI)
- LVII. **Reactive Green HE-4BD Functionalized Supermacroporous Poly(hydroxyethyl methacrylate) Cryogel for Heavy Metal Removal**  
Arpa Ç., BERELİ N., OZDIL E., Bektas S., DENİZLİ A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.118, no.4, pp.2208-2215, 2010 (Journal Indexed in SCI)
- LVIII. **Selective removal of the autoantibodies from rheumatoid arthritis patient plasma using protein A carrying affinity cryogels**  
Alkan H., BERELİ N., Baysal Z., DENİZLİ A.  
BIOCHEMICAL ENGINEERING JOURNAL, vol.51, no.3, pp.153-159, 2010 (Journal Indexed in SCI)

- LIX. **Ion-imprinted supermacroporous cryogel, for in vitro removal of iron out of human plasma with beta thalassemia**  
Asliyuca S., BERELİ N., UZUN L., ONUR M. A. , Say R., DENİZLİ A.  
SEPARATION AND PURIFICATION TECHNOLOGY, vol.73, no.2, pp.243-249, 2010 (Journal Indexed in SCI)
- LX. **Preparation of nanoparticles which contains histidine for immobilization of Trametes versicolor laccase**  
Corman M. E. , Oeztuerk N., BERELİ N., Akgoel S., DENİZLİ A.  
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.63, pp.102-107, 2010 (Journal Indexed in SCI)
- LXI. **Poly(glycidyl methacrylate) beads embedded cryogels for pseudo-specific affinity depletion of albumin and immunoglobulin G**  
BERELİ N., SENER G., ALTINTAS E. B. , Yavuz H., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.30, no.2, pp.323-329, 2010 (Journal Indexed in SCI)
- LXII. **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 (Journal Indexed in SCI)
- LXIII. **Antibody purification with protein A attached supermacroporous poly(hydroxyethyl methacrylate) cryogel**  
Alkan H., BERELİ N., Baysal Z., DENİZLİ A.  
BIOCHEMICAL ENGINEERING JOURNAL, vol.45, no.3, pp.201-208, 2009 (Journal Indexed in SCI)
- LXIV. **Supermacroporous hydrophobic affinity cryogels for protein chromatography**  
YILMAZ F., BERELİ N., Yavuz H., DENİZLİ A.  
BIOCHEMICAL ENGINEERING JOURNAL, vol.43, no.3, pp.272-279, 2009 (Journal Indexed in SCI)
- LXV. **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 (Journal Indexed in SCI)
- LXVI. **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 (Journal Indexed in SCI)
- LXVII. **High capacity binding of antibodies by poly(hydroxyethyl methacrylate) nanoparticles**  
Oeztuerk N., BERELİ N., Akgoel S., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.67, no.1, pp.14-19, 2008 (Journal Indexed in SCI)
- LXVIII. **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 (Journal Indexed in SCI)
- LXIX. **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 (Journal Indexed in SCI)
- LXX. **Antibody purification using porous metal-chelated monolithic columns**  
Bereli N., Uzun L., Yavuz H., Elkak A., Denizli A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.101, no.1, pp.395-404, 2006 (Journal Indexed in SCI)
- LXXI. **Magnetic dye affinity beads for the adsorption of beta-casein**  
AKGOL S., Bereli N., DENIZLI A.  
MACROMOLECULAR BIOSCIENCE, vol.5, no.8, pp.786-794, 2005 (Journal Indexed in SCI)
- LXXII. **Antibody purification by concanavalin a affinity chromatography**  
BERELI N., AKGOL S., Yavuz H., DENIZLI A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.97, no.3, pp.1202-1208, 2005 (Journal Indexed in SCI)
- LXXIII. **Synthesis of poly[(hydroxyethyl methacrylate)-co-(methacrylamidoalanine)] membranes and their utilization as an affinity sorbent for lysozyme adsorption**

## Articles Published in Other Journals

- I. **Molecular Imprinting Technology for Biomimetic Assemblies**  
BERELİ N., AKGÖNÜLLÜ S., ASLIYÜCE ÇOBAN S., ÇİMEN D., GÖKTÜRK BAŞAL I., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.48, no.5, pp.575-601, 2020 (Other Refereed National Journals)
- II. **Indian saffron - Turmeric (*Curcuma longa*) embedded supermacroporous cryogel discs for heavy metal removal**  
Ashyuce S., BERELİ N., Topcu A., Ramteke P. W. , DENİZLİ A.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.9, no.5, pp.4356-4361, 2019 (Journal Indexed in ESCI)
- III. **Molecular Imprinted Based Quartz Crystal Microbalance Nanosensors for Mercury Detection**  
Hüseyinli S., ÇİMEN D., BERELİ N., DENİZLİ A.  
GLOBAL CHALLENGES, vol.3, no.3, 2019 (Journal Indexed in ESCI)
- IV. **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 (Journal Indexed in ESCI)
- V. **Synthesis and Characterization of Poly N isopropylacrylamide Thermosensitive Based Cryogel**  
Veyis K., TÜRKMEN D., Huma S., BERELİ N., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.41, pp.159-166, 2013 (Refereed Journals of Other Institutions)
- VI. **Affinity Separation and Characterization of IgG Subfragments by Fast Protein Liquid Chromatography with HiTrap\_r Protein A Column**  
ERTÜRK G., BERELİ N., UZUN L., TÜMER M. A.  
HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.39, no.2, pp.133-138, 2011 (National Refreed University Journal)
- VII. **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 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents**  
AKGÖNÜLLÜ S., SAYLAN Y., BERELİ N., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.  
in: Plasmonic Sensors and their Applications, Adil Denizli, Editor, Wiley, Weinheim, pp.71-85, 2021
- II. **Cryogels for protein purification and depletion**  
GÖKTÜRK BAŞAL I., Bakhshpour M., YILMAZ F., KARTAL ERSOY F., BERELİ N., DENİZLİ A.  
in: Cryogels and Monoliths, Bo Mattiasson, Adil Denizli, Editor, Hacettepe Üniversitesi, Ankara, pp.95-118, 2018
- III. **Surface plasmon resonance sensors for medical diagnosis**  
SAYLAN Y., YILMAZ F., ÖZGÜR E., DERAZSHAMSHIR A., BERELİ N., YAVUZ ALAGÖZ H., DENİZLİ A.  
in: Nanotechnology Characterization Tools for Biosensing and Medical Diagnosis, Kumar, C.S.S.R., Editor, Springer Berlin Heidelberg, pp.425-458, 2018
- IV. **Surface plasmon resonance based nanosensors for detection of triazinic pesticides in agricultural foods**  
YILMAZ F., SAYLAN Y., AKGÖNÜLLÜ S., ÇİMEN D., DERAZSHAMSHİR A., BERELİ N., DENİZLİ A.  
in: New Pesticides and Soil Sensors, Alexandru Mihai Grumezescu, Editor, Academic Press, pp.679-718, 2017
- V. **SENSORS FOR THE QUALITY DETECTION OF BEVERAGES**

BERELİ N., ÇİMEN D., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.

in: AFFINITY SENSORS, Adil Denizli, Editor, Kukla Kirtasiye Bilgisayar ve Malzeme Tic. Ltd. Şti, Beytepe, Ankara, Ankara, pp.203-225, 2017

**VI. 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

**VII. Cryogels for Affinity Chromatography**

BERELİ N., TÜRKMEN D., YAVUZ ALAGÖZ H., IGOR YURİ G., DENİZLİ A.

in: Advanced Separations by Specialized Sorbents, Ecaterina Stela Dragan, Editor, CRC Press, 2015

## Refereed Congress / Symposium Publications in Proceedings

**I. Saccharomyces cerevisiae'den Malat Dehidrogenaz Saflaştırılması için Biya-Afinite Kriyojel Diskler**

Hamade A., BERELİ N., TOPÇU A. A. , TÜRKMEN D., Elkak A., DENİZLİ A.

11. Ulusal Afinite Teknikleri Kongresi, Aydın, Turkey, 15 June - 17 July 2017

## Supported Projects

BERELİ N., Project Supported by Higher Education Institutions, Düşük Molekül Ağırlıklı Heparin Takılı PHEMA Kriyojel ile Albumin Saflaştırılması, 2014 - Continues

DENİZLİ A., BERELİ N., ÇİMEN D., Project Supported by Higher Education Institutions, İçeceklerde Bulunan Gıda Boyar Maddelerin Tayinine Yönelik Sensörlerin Hazırlanması, 2018 - 2019

ÇİMEN D., DENİZLİ A., BERELİ N., Project Supported by Higher Education Institutions, Hayvansal Gıdalarda Testosteron Tayinine Yönelik Yüze Plazmon Rezonans (SPR) Biosensörlerin Hazırlanması, 2018 - 2019

TÜRKMEN D., Akgönüllü S., BERELİ N., Project Supported by Higher Education Institutions, Melamin Baskılanmış Polimerik Kartuşlar, 2017 - 2019

BERELİ N., Project Supported by Higher Education Institutions, Bilirubin Adsorpsiyonu İçin Polimerik Kolonların Hazırlanması, 2017 - 2019

DENİZLİ A., YAVUZ ALAGÖZ H., BERELİ N., TÜRKMEN D., Project Supported by Higher Education Institutions, Diklofenak Baskılanmış Sensörlerin Hazırlanması ve Diklofenak Tayininde Kullanımının Araştırılması, 2017 - 2019

BERELİ N., Project Supported by Higher Education Institutions, Gıda Ürünlerinde Amoksisilin Analizi İçin Plazmonik Nanosensörlerin Hazırlanması, 2016 - 2018

BERELİ N., DENİZLİ A., TÜRKMEN D., Project Supported by Higher Education Institutions, Histidin Miktarının Tayinine Yönelik Kuvars Kristal Mikrotterazi QCM Biyosensörlerin Hazırlanması, 2017 - 2017

BERELİ N., Project Supported by Higher Education Institutions, Antibadi Saflaştırılması, 2017 - 2017

BERELİ N., Project Supported by Higher Education Institutions, Kolesterol Uzaklaştırılması için Heparin İmmobilize Süpermakrogözenekli Monolitik Kriyojellerin Hazırlanması, 2016 - 2017

BERELİ N., DENİZLİ A., ÇİMEN D., Project Supported by Higher Education Institutions, RİBOFLAVİN VİTAMİN B2 TAYİNİ İÇİN YÜZEY PLAZMON REZONANS SPR TEMELLİ NANOSENSÖRLERİN HAZIRLANMASI, 2015 - 2017

BERELİ N., Project Supported by Higher Education Institutions, İmmunoglobulin G Saflaştırılması için Aktive Edilmiş Sefaroz Küreler ile Poli(2-hidroksietil metakrilat) Kompozit Kriyojellerin Hazırlanması, 2016 - 2016

DENİZLİ A., BERELİ N., Project Supported by Higher Education Institutions, PROTEİN C SAFLAŞTIRILMASI İÇİN MOLEKÜLER BASKILANMIŞ ADSORBENTLER, 2015 - 2016

BERELİ N., YILMAZ E., KARTAL F., ÇİMEN D., Project Supported by Higher Education Institutions, İnsülin Tayinine Yönelik Kuartz Kristal Mikrobals (QCM) Biyosensörlerin Hazırlanması, 2015 - 2016

BERELİ N., Project Supported by Higher Education Institutions, Şap Aşısı Kalitesinin Arttırılması İçin Şap Virüsü 146S Partikülü Baskılanmış Kriyojel Kolonların Hazırlanması, 2013 - 2016

BERELİ N., DENİZLİ A., ÇİMEN D., Project Supported by Higher Education Institutions, PROTEİN C SAFLAŞTIRILMASI İÇİN



MANYETİK NANOPARTİKÜLLER, 2015 - 2015

BERELİ N., Project Supported by Higher Education Institutions, Konkanavalin A Baskılanmış Süpermakrogözenekli Poli(Hidroksietil metakrilat) Kriyojeller, 2015 - 2015

## **Citations**

Total Citations (WOS):1631

h-index (WOS):24

## **Awards**

BERELİ N., 2017 Bilim Teşvik Ödülü, Hacettepe Üniversitesi, October 2018