

Prof. Ahmet MAVİ

Personal Information

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International Researcher IDs

ORCID: 0000-0003-1207-9783

Publons / Web Of Science ResearcherID: A-9138-2018

Yoksis Researcher ID: 33896

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2000 - 2005

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Eğitimi, Turkey 1997 - 2000

Undergraduate, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Kimya Öğretmenliği, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İnsan Eritrosit ve Lökositlerinden Süperoksit Dismutaz Enziminin Saflaştırılması ve Bazı İlaçların Enzim Üzerine Etkilerinin İncelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2005

Postgraduate, Polygonum cognatum Meissn. (Madımak) ve Rumex crispus L. (Evelik) Bitkilerinin Antioksidant Aktivitelerinin Mukayesesi, Atatürk Üniversitesi, Kâzım Karabekir Eğitim Fakültesi, Kimya Eğitimi, 2000

Research Areas

Computer Sciences, Software, Chemical Engineering and Technology, Biotechnology, Biomedical Engineering, Life Sciences, Biotechnology, Biomaterial, Chemistry, Biochemistry, Enzyme Kinetics, Organic Chemistry, Chemistry of Natural Products, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2015 - Continues
Associate Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2010 - 2015

Assistant Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2010

Research Assistant, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1998 - 2005

Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Atatürk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2018 - Continues

Courses

Genel Kimya II, Undergraduate, 2023 - 2024
Eğitime Giriş, Undergraduate, 2022 - 2023
Biyokimya II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017
Genel Kimya I, Undergraduate, 2022 - 2023
LabVIEW Uygulamaları, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Genel Kimya, Undergraduate, 2020 - 2021
Öğretmenlik Uygulaması, Undergraduate, 2021 - 2022
Biyokimya-I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Öğretmenlik Uygulaması II, Undergraduate, 2020 - 2021, 2019 - 2020
Enstrümental Analiz, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Biyokimya, Undergraduate, 2020 - 2021, 2018 - 2019
Yazılım, Undergraduate, 2019 - 2020
Biyoteknoloji, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Biyokimya, Undergraduate, 2018 - 2019, 2017 - 2018
Besin Kimyası, Undergraduate, 2017 - 2018
Biyokimya Laboratuvarı, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Advising Theses

Mavi A., Kansere Karşı Çok Yönlü Tedavi Aracı Olarak Manyetik Nanopartiküllerin Geliştirilmesi, Doctorate, K.SOLAK(Student), Continues
Ünver Y., Mavi A., Meme Kanseri Tedavisinde Manyetik Hipertermi ve Gen Terapisi ile Dual Terapi Yaklaşımı, Postgraduate, F.TURHAN(Student), 2022
MAVİ A., Deneysel Meme Kanseri Modelinde Disülfiram Yüklü Nanoparçacıkların Antikanser Etkisinin İncelenmesi, Postgraduate, K.Solak(Student), 2017
MAVİ A., Linalool Monomerinden Plazma Polimerizasyonu İle Antibakteriyel İnce Film Elde Edilmesi, Postgraduate, K.Çakmak(Student), 2017
MAVİ A., Bazı Bileşiklerin Emülsiyon, Lipozom ve Radikal Ortamındaki Antioksidan Davranışlarının İncelenmesi, Postgraduate, L.Durmaz(Student), 2011
MAVİ A., İlköğretim Beşinci Sınıf Öğrencilerine Isı Ve Sıcaklık Konusunun Laboratuvar Yöntemiyle Öğretilmesinin Başarıya Etkisi, Postgraduate, M.Serdar(Student), 2011

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, December, 2023
Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, June, 2023
Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2023
Doctorate, Doctorate, Atatürk Üniversitesi, December, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2022
Doctorate, Doctorate, Atatürk Üniversitesi, May, 2022
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January,

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heterologous Expression of Codon-Optimized Azurin Transferred by Magnetofection Method in MCF-10A Cells**
Kalakenger S., Arslan S. Y., Turhan F., Acar M., Solak K., Mavi A., Ünver Y.
MOLECULAR BIOTECHNOLOGY, vol.66, no.6, pp.1434-1445, 2024 (SCI-Expanded)
- II. **Design, physicochemical confirmation, single crystal structures as well as exploration of antibacterial and anticancer potential of organotin(IV) carboxylates**
Gul R., Muhammad N., Sirajuddin M., Noor A., Tumanov N., Wouters J., Chafik A., Solak K., MAVİ A., Shujah S., et al.
Journal of Molecular Structure, vol.1300, 2024 (SCI-Expanded)
- III. **Purification and biochemical characterization of a novel carbonic anhydrase II from erythrocytes of camel (Camelus dromedarius)**
Chafik A., Essamadi A., ÇELİK S., MAVİ A.
Biochemical and Biophysical Research Communications, vol.676, pp.171-181, 2023 (SCI-Expanded)
- IV. **Sulfanilamide Modified Magnetic Nanoparticles for Purification of Carbonic Anhydrase from Bovine Blood**
Celik S., Solak K., Mavi A.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.195, no.6, pp.3900-3913, 2023 (SCI-Expanded)
- V. **Purification and biochemical characterization of catalase that confers protection against hydrogen peroxide induced by stressful desert environment: the Camelus Dromedarius kidney catalase**
Chafik A., Essamadi A., Celik S., Mavi A.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.53, no.6, pp.610-621, 2023 (SCI-Expanded)
- VI. **Comparative heating efficiency and cytotoxicity of magnetic silica nanoparticles for magnetic hyperthermia treatment on human breast cancer cells**
Acar M., Solak K., Yildiz S., Ünver Y., Mavi A.
3 BIOTECH, vol.12, no.11, 2022 (SCI-Expanded)
- VII. **Electrically controlled mRNA delivery using a polypyrrole-graphene oxide hybrid film to promote osteogenic differentiation of human mesenchymal stem cells**
Kim H., Solak K., Han Y., Cho Y., Koo K., Kim C., Luo Z., Son H., Kim H., MAVİ A., et al.
NANO RESEARCH, vol.15, no.10, pp.9253-9263, 2022 (SCI-Expanded)
- VIII. **Synthesis, Characterization, Biological Activity and Molecular Docking Studies of Novel Organotin(IV) Carboxylates**
Muhammad N., Ahmad M., Sirajuddin M., Ali Z., Tumanov N., Wouters J., Chafik A., Solak K., MAVİ A., Muhammad S., et al.
FRONTIERS IN PHARMACOLOGY, vol.13, 2022 (SCI-Expanded)
- IX. **The synergic toxicity of temperature increases and nanopolystyrene on zebrafish brain implies that global warming may worsen the current risk based on plastic debris**
Sulukan E., Baran A., Şenol O., Yildirim S., Mavi A., Ceyhun H. A., Toraman E., Ceyhun S. B.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.808, 2022 (SCI-Expanded)
- X. **Magnetic nanoparticle mediated-gene delivery for simpler and more effective transformation of Pichia pastoris**
Yildiz S., Solak K., Acar M., Mavi A., Ünver Y.
NANOSCALE ADVANCES, vol.3, pp.4482-4491, 2021 (SCI-Expanded)
- XI. **Disulfiram-loaded functionalized magnetic nanoparticles combined with copper and sodium nitroprusside in breast cancer cells**
Solak K., MAVİ A., YILMAZ B.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-

Expanded)

- XII. **Photovoltaic performance of non-covalent functionalized single-layer graphene in dye-sensitized solar cells (DSSCs)**
İĞMAN E., BAYRAM Ö., MAVİ A., HASAR U. C., Simsek Ö.
JOURNAL OF MATERIALS SCIENCE, vol.56, no.6, pp.4184-4196, 2021 (SCI-Expanded)
- XIII. **Efficient sequestration of carbon dioxide into calcium carbonate using a novel carbonic anhydrase purified from liver of camel (*Camelus dromedarius*)**
Chafik A., El Hassani K., Essamadi A., Celik S., Mavi A.
JOURNAL OF CO2 UTILIZATION, vol.42, 2020 (SCI-Expanded)
- XIV. **A novel acid phosphatase from cactus (*Opuntia megacantha* Salm-Dyck) cladodes: Purification and biochemical characterization of the enzyme**
Chafik A., Essamadi A., Çelik S., MAVİ A.
International Journal of Biological Macromolecules, vol.160, pp.991-999, 2020 (SCI-Expanded)
- XV. **Thin films derived from Zn(Al)O mixed metal oxides nanoparticles dispersed in polyethylene glycol: Structural, morphological and optical properties**
El Hassani K., BAYRAM Ö., Anouar A., MAVİ A.
CERAMICS INTERNATIONAL, vol.46, no.10, pp.14733-14738, 2020 (SCI-Expanded)
- XVI. **Tumor Homing Reactive Oxygen Species Nanoparticle for Enhanced Cancer Therapy**
Cho H., MAVİ A., Chueng S. D., Pongkulapa T., Pasquale N., Rabie H., Han J., Kim J. H., Kim T., Choi J., et al.
ACS APPLIED MATERIALS & INTERFACES, vol.11, no.27, pp.23909-23918, 2019 (SCI-Expanded)
- XVII. **Purification and biochemical characterization of a novel copper, zinc superoxide dismutase from liver of camel (*Camelus dromedarius*): An antioxidant enzyme with unique properties**
Chafik A., Essamadi A., Celik S., MAVİ A.
Bioorganic Chemistry, vol.86, pp.428-436, 2019 (SCI-Expanded)
- XVIII. **Plasma polymerized linalool (ppLin): an antimicrobial and biocompatible coating**
ÇAKMAK K., BAYRAM Ö., SOLAK K., KABAN G., ŞİMŞEK Ö., MAVİ A.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.1, pp.323-334, 2019 (SCI-Expanded)
- XIX. **Partial Purification and Some Interesting Properties of Glutathione Peroxidase from Liver of Camel (*Camelus dromedarius*)**
Chafik A., ESSAMADİ A., ÇELİK S., SOLAK K., MAVİ A.
Russian Journal of Bioorganic Chemistry, vol.44, no.1, pp.41-51, 2018 (SCI-Expanded)
- XX. **Purification of camel liver catalase by zinc chelate affinity chromatography and pH gradient elution: An enzyme with interesting properties**
Chafik A., ESSAMADİ A., Celik S., MAVİ A.
Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, vol.1070, pp.104-111, 2017 (SCI-Expanded)
- XXI. **Nanomaterials and the Microbial Sphere**
SOLAK K., MAVİ A., ERGON T., SEZEN A., ALGUR Ö. F.
NANOSCIENCE AND NANOTECHNOLOGY LETTERS, vol.9, no.5, pp.609-623, 2017 (SCI-Expanded)
- XXII. **INHIBITION OF IRON-FRUCTOSE-PHOSPHATE-INDUCED LIPID PEROXIDATION IN LECITHIN LIPOSOME AND LINOLEIC ACID EMULSION SYSTEMS BY SOME EDIBLE PLANTS**
MAVİ A., LAWRENCE G. D., KORDALI Ş., YILDIRIM A.
JOURNAL OF FOOD BIOCHEMISTRY, vol.35, no.3, pp.833-844, 2011 (SCI-Expanded)
- XXIII. **Relationship Between Chemical Structure and Antioxidant Activity of Luteolin and Its Glycosides Isolated from *Thymus sipyleus* subsp *sipyleus* var. *sipyleus***
Ozgen U., MAVİ A., TERZI Z., KAZAZ C., AŞCI A., KAYA Y., SEÇEN H.
RECORDS OF NATURAL PRODUCTS, vol.5, no.1, pp.12-21, 2011 (SCI-Expanded)
- XXIV. **Antioxidant phenolics from *Lobaria pulmonaria* (L.) Hoffm. and *Usnea longissima* Ach. lichen species**
ATALAY F., HALICI M. B., MAVİ A., Cakir A., Odabasoglu F., KAZAZ C., Aslan A., KÜFREVİOĞLU Ö. İ.
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.4, pp.647-661, 2011 (SCI-Expanded)
- XXV. **Antioxidant and antimicrobial activity of Turkish endemic *Sonchus erzincanicus* extracts**

- MAVİ A., YİĞİT N., YİĞİT D., KANDEMİR A.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.2, pp.243-250, 2011 (SCI-Expanded)
- XXVI. **Antioxidant and antimicrobial activities of bitter and sweet apricot (*Prunus armeniaca* L.) kernels**
YİĞİT D., YİĞİT N., MAVİ A.
BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH, vol.42, no.4, pp.346-352, 2009 (SCI-Expanded)
- XXVII. **Antioxidant and Antimicrobial Activities of Methanol and Water Extracts of Fruits, Leaves and Seeds of *Vitis vinifera* L. cv. Karaerik**
YİĞİT D., YİĞİT N., MAVİ A., YILDIRIM A., Gueleryuez M.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.1, pp.183-194, 2009 (SCI-Expanded)
- XXVIII. **Promotion by phosphate of Fe(III)- and Cu(II)-catalyzed autoxidation of fructose**
Lawrence G. D., MAVİ A., Meral K.
CARBOHYDRATE RESEARCH, vol.343, no.4, pp.626-635, 2008 (SCI-Expanded)
- XXIX. **Antimicrobial and antioxidant activities of some plants used as remedies in Turkish traditional medicine**
Unal E. L., Mavi A., KARA A., ÇAKIR A., Sengul M., Yildirim A.
PHARMACEUTICAL BIOLOGY, vol.46, no.3, pp.207-224, 2008 (SCI-Expanded)
- XXX. **Effects of some drugs on purified human erythrocyte CuZnSOD and in vitro inhibitory effect of 5-fluorouracil on leukocyte total SOD activity**
Mavi A., Kufrevioglu Ö. İ., Yildirim A.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.21, no.2, pp.235-239, 2006 (SCI-Expanded)
- XXXI. **Antioxidant properties of some medicinal Lamiaceae (Labiatae) species**
Ozgen U., Mavi A., Terzi Z., Yildirim A., Coskun M., Houghton P.
PHARMACEUTICAL BIOLOGY, vol.44, no.2, pp.107-112, 2006 (SCI-Expanded)
- XXXII. **Antioxidant activities of the extracts and components of *Teucrium orientale* L. var. *orientale***
ÇAKIR A., Mavi A., Kazaz C., Yildirim A., Kufrevioglu Ö. İ.
TURKISH JOURNAL OF CHEMISTRY, vol.30, no.4, pp.483-494, 2006 (SCI-Expanded)
- XXXIII. **Determination of the chemical composition and antioxidant activity of the essential oil of *Artemisia dracunculus* and of the antifungal and antibacterial activities of Turkish *Artemisia absinthium*, *A-dracunculus*, *Artemisia santonicum*, and *Artemisia spicigera* essential oils**
Kordali S., Kotan R., Mavi A., Cakir A., Ala A., Yildirim A.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.53, no.24, pp.9452-9458, 2005 (SCI-Expanded)
- XXXIV. **Screening of chemical composition and antifungal and antioxidant activities of the essential oils from three Turkish *Artemisia* species**
Kordali S., ÇAKIR A., MAVİ A., KILIÇ H., Yildirim A.
Journal of Agricultural and Food Chemistry, vol.53, no.5, pp.1408-1416, 2005 (SCI-Expanded)
- XXXV. **The variation of antioxidant activities and chemical composition of essential oils of *Teucrium orientale* L. var. *orientale* during harvesting stages**
Yildirim A., Cakir A., Mavi A., Yalcin M., Fauler G., Taskesenligil Y.
FLAVOUR AND FRAGRANCE JOURNAL, vol.19, no.5, pp.367-372, 2004 (SCI-Expanded)
- XXXVI. **Antioxidant properties of some medicinal plants: *Prangos ferulacea* (Apiaceae), *Sedum sempervivoides* (Crassulaceae), *Malva neglecta* (Malvaceae), *Cruciata taurica* (Rubiaceae), *Rosa pimpinellifolia* (Rosaceae), *Galium verum subsp verum* (Rubiaceae), *Urtica dioica* (Urticaceae)**
Mavi A., Terzi Z., Ozgen U., Yildirim A., Coskun M.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol.27, no.5, pp.702-705, 2004 (SCI-Expanded)
- XXXVII. **Screening chemical composition and in vitro antioxidant and antimicrobial activities of the essential oils from *Origanum syriacum* L. growing in turkey**
ALMA M. H., Mavi A., Yildirim A., DIĞRAK M., HİRATA T.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, vol.26, no.12, pp.1725-1729, 2003 (SCI-Expanded)
- XXXVIII. **Isolation and characterization of antioxidant phenolic compounds from the aerial parts of *Hypericum hyssopifolium* L. by activity-guided fractionation**
ÇAKIR A., MAVİ A., YILDIRIM A., DURU M., HARMANDAR H., Kazaz C.

- JOURNAL OF ETHNOPHARMACOLOGY, vol.87, no.1, pp.73-83, 2003 (SCI-Expanded)
- XXXIX. **Antioxidant and antimicrobial activities of Polygonum cognatum Meissn extracts**
Yildirim A., MAVI A., KARA A. A.
Journal of the Science of Food and Agriculture, vol.83, no.1, pp.64-69, 2003 (SCI-Expanded)
- XL. **Determination of antioxidant and antimicrobial activities of Rumex crispus L. extracts**
Yıldırım A., Mavi A., Kara A. A.
Journal of Agricultural and Food Chemistry, vol.49, pp.4083-4089, 2001 (SCI-Expanded)
- XLI. **Comparison of antioxidant and antimicrobial activities of tilia (Tilia argentea desf ex DC), sage (Salvia triloba L.), and black tea (Camellia sinensis) extracts**
Yildirim A., Mavi A., Oktay M., Kara A., Algur O., Bilaloglu V.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.48, no.10, pp.5030-5034, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Some Herbs on the In-vitro Growth of Helicobacter pylori and Their Antioxidant Properties**
KARA A. A., ALGUR Ö., MAVI A., YILDIRIM A., Şengül Köseoğlu M.
Cumhuriyet Science Journal, vol.43, no.3, pp.370-378, 2022 (Peer-Reviewed Journal)
- II. **Characterization of an interesting selenium-dependent glutathione peroxidase (Se-GPx) protecting cells against environmental stress: The Camelus dromedarius erythrocytes Se-GPx**
Chafik A., Essamadi A., ÇELİK S., SOLAK K., MAVI A.
BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, vol.18, 2019 (ESCI)
- III. **The Structure Characterization of n-InSe Single Crystal, THALES International Journal Of Thales Engineering Sciences (Jthes) Issn (Online): 2528-5297, 29-34, 2016.**
GÜRBULAK B., ASHKHASI A., ERZENEÖĞLU S. Z., ŞATA M., DUMAN S., MAVI A.
International Journal Of Thales Engineering Sciences, 2016 (Peer-Reviewed Journal)
- IV. **The Structure Characterization of N- Inse Single Crystal**
GÜRBULAK B., Ashkhasi A., ERZENEÖĞLU S. Z., ŞATA M., DUMAN S., MAVI A.
, International Journal of Thales Natural Sciences (IJTNS), vol.1, no.1, pp.29-34, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **GENEL KİMYA: Moleküler Bir Yaklaşımla Kimyanın İlkeleri -2**
Köksal E. (Editor), Mavi A. (Editor), Denizli A. (Editor)
Nobel Yayınevi, Ankara, 2022
- II. **Principles of Chemistry: A Molecular Approach**
Köksal E. (Editor), Mavi A. (Editor), Denizli A. (Editor)
Nobel Akademi Yayıncılık, Ankara, 2021
- III. **Analyzing and Presenting Data with LabVIEW**
Mavi A., Özmen A., Ertuğrul M.
in: LabVIEW A Flexible Environment for Modeling and Daily Laboratory Use, IntechOpen, Editor, IntechOpen, London, pp.1-38, 2021
- IV. **Elementlerin Periyodik Özellikleri**
DENİZLİ A., YAVUZ ALAGÖZ H., OKTAY M., OSMAN B., AKGÖL S., ŞENOCAK A., ŞENOCAK E., ŞENEL S., GÜNAY M. E., MAVI A., et al.
in: GENEL KİMYA: Moleküler Bir Yaklaşımla Kimyanın İlkeleri -1, Köksal Ekrem, Mavi Ahmet, Denizli Adil, Editor, Nobel akademik Yayıncılık, pp.340-377, 2021
- V. **LabVIEW Uygulamaları 1**
Mavi A., Ertuğrul M.

Ertaul Akademik Yayıncılık, Erzurum, 2016

VI. Sinyal Ölçümü ve Sinyal Üretimi: Veri Toplama, LabVIEW'de Veri Toplama, LabVIEW'de Cihaz Kontrol

MAVİ A., CEVİZ M. A., AYDIN S., MUTLU K., DAŞ A.

in: Herkes İçin LabVIEW 2, Ahmet Mavi, Editor, PEGEM Akademi, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS OF MAGNETIC NANOPARTICLES FOR IMMOBILIZATION OF YEAST CELLS**
DAĞCI İ., Solak K., ÜNVER Y., MAVİ A.
AVRASYA 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Tiflis, Georgia, 24 November - 26 December 2023, pp.11-15
- II. **Investigation of the Effect of Magnetic Hyperthermia Application on Cancer and Healthy Cells**
TURHAN F., ACAR M., SOLAK K., YILDIZ Ş., ÜNVER Y., MAVİ A.
2nd International Conference on Applied Engineering and Natural Sciences (ICAENS 2022), Turkey, 10 - 13 March 2022, pp.504-508
- III. **Immobilization of Pichia pastoris Cells by Magnetic Nanoparticles**
DAĞCI İ., YILDIZ Ş., SOLAK K., ÜNVER Y., MAVİ A.
2nd International Conference on Applied Engineering and Natural Sciences (ICAENS 2022), Konya, Turkey, 10 March 2022, pp.419
- IV. **Cloning of Codon-Optimized Azurin Gene into pCMV-GFP Expression Vector**
Yıldız Ş., Kalakenger S., Acar M., Ünver Y., Mavi A.
6th INTERNATIONAL CONGRESS on APPLIED BIOLOGICAL SCIENCE, Adana, Turkey, 8 - 09 December 2021, pp.28
- V. **Alternating Magnetic Field Mediated Heat Inducible Gene Expression System**
Acar M., Solak K., Yıldız Ş., ÜNVER Y., MAVİ A.
World Congress on Applied Nanotechnology (W-CAN), Turkey, 24 November 2021
- VI. **Suggestion a Magnetic Nanoparticle-Mediated Cancer Vaccine for Immunotherapy**
SOLAK K., MAVİ A., TAGHIZADEHGHALEHJOUGHİ A., YILDIRIM S., HACİMÜFTÜOĞLU A.
W-CAN, Erzurum, Turkey, 24 November 2021
- VII. **Purification of Carbonic Anhydrase Enzyme with Sulfanilamide Bonded Magnetic Nanoparticles**
Çelik S., Mavi A., Solak K.
5th International Conference on Advances in Natural and Applied Sciences, Ağrı, Turkey, 21 - 23 September 2021, pp.2-3
- VIII. **Loading and Elution of DNA from Nanoparticles in a Cell-free System**
Turhan F., Solak K., Kalakenger S., Ünver Y., Mavi A.
IGSCONG'21 Uluslararası Lisansüstü Çalışmalar Kongresi, Balıkesir, Turkey, 17 - 20 June 2021, pp.728-729
- IX. **Investigation of Magnetofection Conditions to Improve Transfection Efficiency by Using Magnetofectin Including a Reporter Gene**
Yıldız Ş., Solak K., Kalakenger S., Acar M., Mavi A., Ünver Y.
9th International Molecular Biology and Biotechnology Congress, Kars, Turkey, 6 - 10 December 2020, pp.48
- X. **A Novel Gene Delivery Method for Transformation of Yeasts Used in the Production of Biopharmaceutical Proteins**
Yıldız Ş., Solak K., Acar M., Ünver Y., Mavi A.
2nd International Conference on Preventive Medicine, 25 - 28 November 2020, pp.24
- XI. **Synthesis of Magnetic Nanoparticles for Biomedical Applications and Their Use in Magnetic Hyperthermia**
Acar M., Solak K., Kalakenger S., Yıldız Ş., Ünver Y., Mavi A.
2nd International Conference on Preventive Medicine, 25 - 28 November 2020, pp.25
- XII. **Evaluation Neuroprotective Effects of Origanum Majorana Extract on Fe₃O₄@SiO₂ NPs Induced Toxicity in Cortex Culture**

Sezen S., TAGHIZADEHGHALEHJOUGHİ A., YENİ Y., Genç S., GÜLLÜCE M., HACİMÜFTÜOĞLU A., MAVİ A., Solak K.
Uluslararası İVEK BİO Kongresi, 26 - 28 November 2018

- XIII. **Nanomaterials for Cancer Immunotherapy**
Solak K., MAVİ A.
iSAMN 2019, Kuala Lumpur, Malaysia, 19 - 20 August 2019, pp.31-33
- XIV. **Comparison of Silica Coating Processes of Magnetic Nanoparticle**
Solak K., Mavi A., Yıldız Ş., Acar M., Ünver Y.
iSAMN 2019, Kuala-Lumpur, Malaysia, 19 - 20 August 2019, pp.79-81
- XV. **Nanomaterials for Cancer Immunotherapy**
Solak K., MAVİ A.
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Non Academic Experience

University, Rutgers University, Department of Chemistry and Chemical Biology

Other Public Institution, Milli Eğitim Bakanlığı

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