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International Researcher IDs

ORCID: 0000-0002-1043-5652

Publons / Web Of Science ResearcherID: A-9033-2018

Yoksis Researcher ID: 3640

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı/Moleküler Biyoloji-Biyokimya Programı, Turkey 1989 - 1996

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Anabilim Dalı/Moleküler Biyoloji-Biyoteknoloji Programı, Turkey 1986 - 1988

Undergraduate, Istanbul University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1980 - 1985

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Bilimsel çalışmalarda İstatistiğin Rolü: Bilinmesi Gereken Yöntemler ve Uygulama Alanları, Türk Biyokimya Derneği-İstanbul Şubesi, 2012

Dissertations

Doctorate, *Sanicula europaea* L. Bitkisinden Antiviral Bir Maddenin Saflaştırılması ve Kimyasal Karakterizasyonu, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji Bölümü/Moleküler Biyoloji, 1996

Postgraduate, Yaşlanmakta Olan Soya Fasulyesi (*Glycine max* (L.) cv. Coles) Kotiledonlarında Peroksidaz ve Laktik Dehidrogenaz Enzimleri ile Total Protein Düzeyleri Üzerinde Elektroforetik İncelemeler, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji /Moleküler Biyoloji, 1988

Research Areas

Life Sciences, Biochemistry, Enzymology, Metabolism, Molecular Biochemistry, Proteomics, Biotechnology, Molecular Biology and Genetics, Molecular Biology of Cancer, Microbial Genetics, Chemistry, Organic Chemistry, Chemistry of

Natural Products, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Moleküler Biyoloji ve Genetik Bölümü, 2007 - Continues

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2000 - 2007

Assistant Professor, Istanbul University, Faculty of Science, Department of Biology, 1997 - 2000

Academic and Administrative Experience

Manager of Research and Application Center, Istanbul University, Rektörlük, BİYOGEM Center for Research and Practice in Biotechnology and Genetic Engineering, 2022 - Continues

Danışma Kurulu Üyesi, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemical Engineering, 2022 - Continues

Manager of Research and Application Center, Istanbul University, Rektörlük, Center for Research and Practice in Biotechnology and Genetic Engineering, 2019 - 2022

Manager of Research and Application Center, Istanbul University, Rektörlük, Center for Research and Practice in Biotechnology and Genetic Engineering, 2016 - 2019

İstanbul Üniversitesi, Faculty of Science, Moleküler Biyoloji ve Genetik Bölümü, 2013 - 2018

İstanbul Üniversitesi, Faculty of Science, Moleküler Biyoloji Ve Genetik, 2011 - 2013

İstanbul Üniversitesi, Hasan Ali Yücel Eğitim Fakültesi, İlköğretim Bölümü, 2007 - 2009

Courses

Food Safety and Security, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

GRADUATION PROJECT I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Biochemistry I, Undergraduate, 2023 - 2024

Communication in Life Sciences, Undergraduate, 2021 - 2022, 2020 - 2021

PROJECT II, Undergraduate, 2019 - 2020

SPECIAL PROJECT I, Undergraduate, 2019 - 2020

ANTIOXIDATION AND DETOXIFICATION IN BIOLOGICAL SYSTEMS, Doctorate, 2019 - 2020

PROTEIN PURIFICATION TECHNIQUES, Postgraduate, 2019 - 2020

CLINICAL BIOCHEMISTRY, Undergraduate, 2019 - 2020

ENZYMES: STRUCTURE and FUNCTION, Undergraduate, 2019 - 2020

GRADUATION PROJECT II, Undergraduate, 2019 - 2020

BIOCHEMISTRY I, Undergraduate, 2019 - 2020

BIOCHEMISTRY I, Undergraduate, 2019 - 2020

Proteomik ve Metabolomik, Undergraduate, 2012 - 2013

Proteomik (İng.), Doctorate, 2012 - 2013

Moleküler Biyolojide Kullanılan Yöntemler II, Undergraduate, 2012 - 2013, 2011 - 2012

Bitirme Projesi, Undergraduate, 2012 - 2013

Proteinlerin Hücreiçi Dolaşimleri, Doctorate, 2012 - 2013

Biyokimya I, Undergraduate, 2012 - 2013, 2011 - 2012

Fermentasyon Teknolojisi, Undergraduate, 2012 - 2013, 2011 - 2012

Bilimsel Yazım Tekniği, Undergraduate, 2012 - 2013

Biyolojik Sistemlerde Antioksidasyon ve Detoksifikasyon, Doctorate, 2011 - 2012

Proteomik, Doctorate, 2011 - 2012

Protein Saflaştırma Teknikleri, Postgraduate, 2012 - 2013

Genomik ve Proteomik, Undergraduate, 2011 - 2012
Protein Saflaştırma Teknikleri, Postgraduate, 2011 - 2012

Advising Theses

- Arda E. Ş. N., Şanlı N. Ö., Isolation and Characterization of a Novel Bioactive Molecule from Probiotics, Doctorate, A.Adouwodji(Student), Continues
- Arda E. Ş. N., Enhancement Of Nutraceutical And Cosmeceutical Potential Of Various Honey Bee Products By Natural Supplements, Doctorate, G.Sönmez(Student), Continues
- Arda E. Ş. N., Effects of Antioxidant and Antidiabetic Compounds on Molecular Damages in Fission Yeast, Doctorate, N.Salem(Student), Continues
- Arda E. Ş. N., Biotechnological Approaches in Cosmeceutical Product Development From Royal Jelly, Doctorate, M.Tunç(Student), Continues
- Arda E. Ş. N., Molecular Studies on Anticancer Metabolites of Probiotic Bacteria, Doctorate, R.Ahmad(Student), Continues
- Arda E. Ş. N., Investigation of Wound Healing Potential of Some Natural Products and Bioactive Peptides], Doctorate, Y.Aksüt(Student), Continues
- Arda E. Ş. N., ANTICANCER ACTIVITY OF WATER-BASED PROPOLIS, Postgraduate, M.Attila(Student), 2023
- Arda E. Ş. N., Erol Ç., Meme kanseri hücreleri üzerinde sitotoksik etkili doğal ve sentetik bileşikler: Bir veri tabanı tasarımı, Doctorate, Z.OKTAY(Student), 2023
- Arda E. Ş. N., META ANALYSIS OF THE RELATIONSHIP BETWEEN CELIAC DISEASE AND IMMUN RESPONSE, Doctorate, Ö.Özer(Student), 2022
- Arda E. Ş. N., Benian A., Assessment of the Relation Between Angiogenesis Factors and Plasm Proteome in Preeclampsia, Doctorate, V.Yaman(Student), 2022
- Arda E. Ş. N., Allahverdiyev A., Propolis yüklü polimerik nanopartiküllerin hazırlanması ve karakterizasyonu, immünomodülör etkilerinin makrofaj hücrelerinde incelenmesi, Postgraduate, T.SADIKHOV(Student), 2022
- Arda E. Ş. N., BEE BREAD PRODUCTION VIA POLLEN FERMENTATION USING VARIOUS PROBIOTIC STRAINS, Postgraduate, E.KÜRŞAT(Student), 2022
- Arda E. Ş. N., Gelincik A., MOLECULAR ANALYSIS OF GENETIC SUSCEPTIBILITY, SENSITIVITY and OXIDATIVE STRESS MARKERS in ASTHMA PATIENTS, Doctorate, B.KARADOĞAN(Student), 2020
- Arda E. Ş. N., Alerjenik bitki lipit transfer proteininin biyoteknolojik üretimi, Postgraduate, N.AGHALAROVA(Student), 2020
- Arda E. Ş. N., Gelincik A., PLASMA 7-KETOCHOLESTEROL, CHOLESTANE-3 β , 5 α , 6 β -TRIOL AND MALONDIALDEHYDE LEVELS IN ASTHMA PATIENTS, Postgraduate, B.NASR(Student), 2018
- Arda E. Ş. N., STUDIES ON BIOTECHNOLOGICAL PRODUCTION OF POLLEN ALLERGEN METHIONINE SYNTHASE , Postgraduate, Y.AKSÜT(Student), 2017
- Arda E. Ş. N., Açılan Ayhan C., Elucidation of Molecular Action Mechanisms of Cytotoxic Palladium Derivatives on Various Cancer Cells, Doctorate, Ö.Kaçar(Student), 2016
- Arda E. Ş. N., STUDIES ON ANTIOXIDANT ACTIVITY AND ROSMARINIC ACID CONTENT OF SOME PLANT EXTRACTS, Postgraduate, O.HAKUM(Student), 2016
- Arda E. Ş. N., Gelincik A., Allergenic Proteins of Mediterranean Cypress (*Cupressus sempervirens* L.) and Sabin Juniper (*Juniperus sabina* L.) Pollens in Istanbul, Postgraduate, Ş.Taş(Student), 2015
- Arda E. Ş. N., Açılan Ayhan C., Investigation of Gene Expressions related to Oxidative Stress And Apoptosis in Human Thoracic Aort Aneurysms, Doctorate, Z.Adıgüzel(Student), 2014
- Arda E. Ş. N., Gelincik A., İstanbul'da Yetişen Akdut(*Morus alba* L.) ve Mavi Atlas Sediri *Cedrus atlantica* (Endl.) Carr. cv. "Glauca"] Polenlerinin Allerjenik Proteinleri, Postgraduate, D.Çetereisi(Student), 2014
- Arda E. Ş. N., Topal Sarıkaya A., Sistemik Lupus Eritematozus Hastalarında Sitokinlerin Gen Anlatımı ve miRNA'lar Arasındaki İlişkinin Araştırılması, Doctorate, F.Gods(Student), 2014
- ARDA E. Ş. N., E Vitamininin Sıçan C6 Glioma Hücreleri Üzerindeki Apoptoz İndükleyici Etkisi, Postgraduate, Z.Oktay(Student), 2012
- ARDA E. Ş. N., Sarı Pas Enfeksiyonuna Dirençli Buğday (*Triticum aestivum* L.)'da Proteomik Analizler, Postgraduate,

C.İnan(Student), 2012

ARDA E. Ş. N., Glioma Hücrelerinde İndometasinin Meydana Getirdiği Moleküler Hasarlar Üzerine E Vitamininin Etkileri, Doctorate, M.Pekmez(Student), 2010

ARDA E. Ş. N., Hücre Kültüründe Oksidatif Stres Sonucu Oluşan DNA Hasarları ve Zeytinyağının Koruyucu Etkisi, Doctorate, Ö.Erol(Student), 2010

ARDA E. Ş. N., Viscum album Ekstresinin C6 Sıçan Glioma Hücrelerinde Stres Proteinlerinin Anlatımı Üzerine Etkisi, Doctorate, E.Önay(Student), 2009

ARDA E. Ş. N., Oksidatif Stres Uygulanmış Schizosaccharomyces pombe'de Protein Oksidasyonuna Karşı Antioksidanların Koruyucu Etkisi, Doctorate, İ.Hamad(Student), 2007

ARDA E. Ş. N., İnsan Semen Örneklerinde Oksidatif Stresin Erkek Kısırlığıyla İlişkis Üzerine Moleküler Çalışmalar, Postgraduate, M.Yanık(Student), 2005

ARDA E. Ş. N., Oksidatif Stres Uygulanmış Schizosaccharoyces pombe'de Moleküler Çalışmalar, Postgraduate, M.Pekmez(Student), 2004

ARDA E. Ş. N., Astragalus Doku Kültürlerinde Protein Analizleri, Postgraduate, D.Celebcioğlu(Student), 2002

ARDA E. Ş. N., Farklı Konakçı Ağaçlar Üzerinde Yaşayan Ökseotu (Viscum album) Bitkisinde Biyokimyasal Analizler, Postgraduate, E.Önay(Student), 2002

Jury Memberships

Associate Professor Exam, Doçentlik Sınav Jürisi, Samsun Ondokuz Mayıs Üniversitesi, October, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, İstanbul Üniversitesi, June, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, İstanbul Üniversitesi, April, 2012

Associate Professor Exam, Doçentlik Sınav Jürisi, İstanbul Üniversitesi, June, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Recombinant production of Morus alba lipid transfer protein and prediction of its allergenic epitopes** Production par recombinaison de protéine de transfert de lipides de Morus alba et prédiction de ses épitopes allergènes
Aghalarova N., Aksüt Y., Karlıoğlu Kılıç N., Gelincik A., Büyükoztürk S., Arda N.
Revue Francaise d'Allergologie, vol.64, no.5, 2024 (SCI-Expanded)
- II. **Development of recombinant protein-based nanoparticle systems for inducing tumor cell apoptosis: *in vitro* evaluation of their cytotoxic and apoptotic effects on cancer cells**
Kaplan Ö., GÖK M. K., PEKMEZ M., Erden Tayhan S., Özgümüş S., Gökçe İ., Arda N.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.95, 2024 (SCI-Expanded)
- III. **Investigation of the Effect of Chestnut Honey and Curcumin Combination on Lifespan in the Experimental Heat Stress Model of Honey Bee**
Gizem Sonmez Oskay S., Oskay D., Arda N.
Biology Bulletin, vol.50, no.6, pp.1393-1400, 2023 (SCI-Expanded)
- IV. **Novel vitamin K3 analogs containing 3-N-substituted aromatic and piperazine rings with selective *in vitro* anticancer activity against HeLa, U87 MG, and MCF-7 cells**
Abdassalam A. F. S. H., DENİZ N. G., SAYIL M. Ç., ÖNAY UÇAR E., Mertoglu E., Arda N.
MEDICINAL CHEMISTRY RESEARCH, vol.32, no.3, pp.475-484, 2023 (SCI-Expanded)
- V. **Plasma levels of oxysterols 7-ketocholesterol and cholestane-3 beta, 5 alpha, 6 beta-triol in patients with allergic asthma**
Zanjani B. N., Samadi A., YILMAZ İŞIKHAN S., LAY İ., Beyaz S., Gelincik A., Buyukozturk S., Arda N.
JOURNAL OF ASTHMA, vol.60, no.2, pp.288-297, 2023 (SCI-Expanded)
- VI. **Impact of stress factors internal and external to the hive on honey bees and their reflection on honey bee products: a review**

Sonmez Oskay G., Uygur G. S., Oskay D., Arda N.

Journal of Apicultural Research, 2023 (SCI-Expanded)

- VII. **Molecular Cloning, expression, purification and in silico epitope prediction of cobalamin-independent methionine synthase (Mor a 2), as a novel allergen from Morus alba pollen**
Aksüt Y., Pekmez M., Karaer Uzuner S., Gelincik A., Büyükoztürk S., Arda E. Ş. N.
ARCHIVES OF MEDICAL SCIENCE, vol.4, pp.1-26, 2022 (SCI-Expanded)
- VIII. **Evaluation of oxidative stress biomarkers and antioxidant parameters in allergic asthma patients with different level of asthma control.**
Karadogan B., Beyaz S., Gelincik A., Buyukozturk S., Arda N.
The Journal of asthma : official journal of the Association for the Care of Asthma, vol.59, no.4, pp.663-672, 2022 (SCI-Expanded)
- IX. **Identification of natural compounds of Jurinea species by LC-HRMS and GC-FID and their bioactivities**
Boke Sarikahya N., Sumer Okkali G., Celenk V. U., Mertoğlu E., Pekmez M., Arda N., Topcu G., Goren A. C.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.202, 2021 (SCI-Expanded)
- X. **Folic acid-modified methotrexate-conjugated gold nanoparticles as nano-sized trojans for drug delivery to folate receptor-positive cancer cells**
Yucel O., Sengelen A., Emik S., Onay-Ucar E., Arda E. Ş. N., Gurdag G.
NANOTECHNOLOGY, vol.31, no.35, 2020 (SCI-Expanded)
- XI. **Proteomic identification of allergenic proteins of Morus alba L. pollen**
Cetereisi D., Karhoğlu Kılıç N., Gelincik A., Michelland S., Onay-Ucar E., Ertek B., Akdeniz N., Erden S., Colakoglu B., Akkemik Ü., et al.
ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY, vol.37, pp.205-211, 2019 (SCI-Expanded)
- XII. **Synthesis and antiproliferative evaluation of some 1,4-naphthoquinone derivatives against human cervical cancer cells**
KAÇMAZ A., DENİZ N. G., AYDINLI S. G., Sayil C., Onay-Ucar E., Mertoglu E., Arda N.
OPEN CHEMISTRY, vol.17, no.1, 2019 (SCI-Expanded)
- XIII. **Can Hsp Targeted Gene Therapy Be a New Hope for Gliomas?**
Onay-Ucar E., Sengelen A., Gungor E., Mertoglu E., Pekmez M., Arda N.
HEAT SHOCK PROTEINS IN NEUROSCIENCE, vol.20, pp.209-230, 2019 (SCI-Expanded)
- XIV. **Involvement of dying beta cell originated messenger molecules in differentiation of pancreatic mesenchymal stem cells under glucotoxic and glucolipotoxic conditions.**
Gezginci-Oktayoglu S., Onay-Ucar E., Sancar-Bas S., Karatug-Kacar A., Arda E. Ş. N., Bolkent Ş.
Journal of cellular physiology, vol.233, no.5, pp.4235-4244, 2018 (SCI-Expanded)
- XV. **Suppression of HSP70 Expression by Quercetin and Its Therapeutic Potential Against Cancer**
Ucar E. O., Sengelen A., Mertoglu E., Pekmez M., Arda N.
HSP70 IN HUMAN DISEASES AND DISORDERS, vol.14, pp.361-379, 2018 (SCI-Expanded)
- XVI. **The role of cell cycle progression for the apoptosis of cancer cells induced by palladium(II)-saccharinate complexes of terpyridine**
Kacar O., CEVATEMRE B., Hatipoglu I., Arda N., ULUKAYA E., YILMAZ V. T., Acilan C.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.25, no.6, pp.1770-1777, 2017 (SCI-Expanded)
- XVII. **MiRNA and mRNA Profiling in Systemic Lupus Reveals a Novel Set of Cytokine - Related miRNAs and their Target Genes in Cases With and Without Renal Involvement**
Ghods F. J., Sarikaya A. T., Arda N., Hamuryudan V.
KIDNEY & BLOOD PRESSURE RESEARCH, vol.42, no.6, pp.1322-1337, 2017 (SCI-Expanded)
- XVIII. **The structure and cytotoxic activity of a new saponin: cephoside A from Cephalaria elazigensis var. purpurea**
Kayce P., Sarikahya N. B., Pekmez M., Arda N., Kirmizigul S.
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.3, pp.345-353, 2017 (SCI-Expanded)
- XIX. **Proteome profiling of the compatible interaction between wheat and stripe rust**
Demirci Y. E., Inan C., GÜNEL A., Maytalman D., Mert Z., BAYKAL A. T., Korkut S. V., Arda N., HASANÇEBİ S.

- EUROPEAN JOURNAL OF PLANT PATHOLOGY, vol.145, no.4, pp.941-962, 2016 (SCI-Expanded)
- XX. **A platinum-blue complex exerts its cytotoxic activity via DNA damage and induces apoptosis in cancer cells**
ADIGUZEL Z., Ozalp-Yaman S., Çelik G., Salem S., Bagci-Onder T., Çetin Y. C., Arda N., ACILAN C.
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XXI. **Elucidation of molecular action mechanisms of cytotoxic palladium derivatives on various cancer cells**
Kacar O., Hatipoglu I., Yilmaz V., Arda N., Ulukaya E., Acilan C. A.
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XXII. **Protective effects of *Sanicula europaea* extracts on nuclear DNA damage**
Ucar E. O., Pekmez M., Mertoglu E., Dalyan L., Arda N.
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XXIII. **Synthesis, biological characterization and evaluation of molecular mechanisms of novel copper complexes as anticancer agents**
ACILAN C., Cevatemre B., ADIGUZEL Z., Karakas D., Ulukaya E., Arda N., Ribeiro N., Correia I., Pessoa J. C.
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XXIV. **Identification of longevity, fertility and growth-promoting properties of pomegranate in *Caenorhabditis elegans***
KILIÇGÜN H., Arda N., Ucar E.
PHARMACOGNOSY MAGAZINE, vol.11, no.42, pp.356-359, 2015 (SCI-Expanded)
- XXV. **Effect of alpha-tocopheryl succinate on the molecular damage induced by indomethacin in C6 glioma cells**
Pekmez M., Onay-Ucar E., Arda N.
EXPERIMENTAL AND THERAPEUTIC MEDICINE, vol.9, no.2, pp.585-590, 2015 (SCI-Expanded)
- XXVI. **Fatty Acid Composition and Antioxidant Potential of Ten *Cephalaria* Species**
Sarikahya N. B., Ucar E., Kayce P., GÖKTÜRK R. S., SUMBUL H., Arda N., Kirmizigul S.
RECORDS OF NATURAL PRODUCTS, vol.9, no.1, pp.116-123, 2015 (SCI-Expanded)
- XXVII. **Evaluation of apoptotic molecular pathways for smooth muscle cells isolated from thoracic aortic aneurysms in response to oxidized sterols**
Adıgüzel Z., Arda N., Kaçar O., SERHATLI M., TAS S. G., Baykal A. T., Baysal K., Açılan C.
MOLECULAR BIOLOGY REPORTS, vol.41, no.12, pp.7875-7884, 2014 (SCI-Expanded)
- XXVIII. **Palladium and platinum complexes of the new ligands containing P-N and P-O bonds**
İRİŞLİ S., Karaman M., ARDA E. Ş. N., DİNDAR B., Buyukgungor O.
POLYHEDRON, vol.81, pp.203-209, 2014 (SCI-Expanded)
- XXIX. **Increased eNOS levels in hereditary angioedema**
Demirturk M., Gelincik A., Cinar S., KILERCİK M., Onay-Ucar E., Colakoglu B., Arda N., Buyukozturk S., Deniz G.
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.20, no.1, pp.264-268, 2014 (SCI-Expanded)
- XXX. **Comparison of antioxidant capacity, protein profile and carbohydrate content of whey protein fractions**
Onay-Ucar E., Arda N., Pekmez M., Yilmaz A. M., Boke-Sarikahya N., Kirmizigul S., YALÇIN A. S.
FOOD CHEMISTRY, vol.150, pp.34-40, 2014 (SCI-Expanded)
- XXXI. **Evaluation of the molecular mechanisms of a palladium(II) saccharinate complex with terpyridine as an anticancer agent**
Kacar O., Adiguzel Z., YILMAZ V. T., Cetin Y., CEVATEMRE B., Arda N., Baykal A. T., ULUKAYA E., Acilan C.
ANTI-CANCER DRUGS, vol.25, no.1, pp.17-29, 2014 (SCI-Expanded)
- XXXII. **Protective effects of olive oil phenolics and gallic acid on hydrogen peroxide-induced apoptosis**
Erol-Dayi O., Arda N., Erdem G.
EUROPEAN JOURNAL OF NUTRITION, vol.51, no.8, pp.955-960, 2012 (SCI-Expanded)
- XXXIII. **Phenols of virgin olive oil protects nuclear DNA against oxidative damage in HeLa cells**
EROL TINAZTEPE Ö., Arda N., Erdem G.
FOOD AND CHEMICAL TOXICOLOGY, vol.50, no.10, pp.3475-3479, 2012 (SCI-Expanded)

- XXXIV. **Investigation of the Relationship Between Oxidative Stress and Glucose Signaling in *Schizosaccharomyces pombe***
Palabiyik B., Kig C., Pekmez M., Dalyan L., Arda N., Temizkan G.
BIOCHEMICAL GENETICS, vol.50, no.5-6, pp.336-349, 2012 (SCI-Expanded)
- XXXV. **Extract from mistletoe, *Viscum album* L., reduces Hsp27 and 14-3-3 protein expression and induces apoptosis in C6 rat glioma cells**
Ucar E., Arda N., Aitken A.
GENETICS AND MOLECULAR RESEARCH, vol.11, no.3, pp.2801-2813, 2012 (SCI-Expanded)
- XXXVI. **Fatty Acid Profile and Biological Data of Four Endemic *Cephalaria* Species Grown in Turkey**
Kirmizigul S., SARIKAHYA N., SÜMBÜL H., GÖKTÜRK R. S., Yavasoglu N. U. K., Pekmez M., Arda N.
RECORDS OF NATURAL PRODUCTS, vol.6, no.2, pp.151-155, 2012 (SCI-Expanded)
- XXXVII. ***Viscum album* L. Extracts Protects HeLa Cells against Nuclear and Mitochondrial DNA Damage**
Onay-Ucar E., Erol O., Kandemir B., Mertoglu E., Karagoz A., Arda N.
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.2012, 2012 (SCI-Expanded)
- XXXVIII. **Isolation and characterization of biologically active glycosides from endemic *Cephalaria* species in Anatolia**
Sarikahya N. B., Pekmez M., Arda N., Kayce P., Yavasoglu N. U. K., Kirmizigul S.
PHYTOCHEMISTRY LETTERS, vol.4, no.4, pp.415-420, 2011 (SCI-Expanded)
- XXXIX. **Antioxidant and Cytotoxic Activities of *Aphanes arvensis* Extracts**
Hamad I., Erol-Dayi O., Pekmez M., Onay-Ucar E., Arda N.
PLANT FOODS FOR HUMAN NUTRITION, vol.65, no.1, pp.44-49, 2010 (SCI-Expanded)
- XL. **Expression of Human A4V Mutant Cu,Zn Superoxide Dismutase in *Schizosaccharomyces pombe*: Investigations of its Toxic Properties**
Karaer S., Tarhan C., Pekmez M., HAMAD I., Arda N., Sarikaya A. T.
BIOCHEMICAL GENETICS, vol.48, no.1-2, pp.113-124, 2010 (SCI-Expanded)
- XLI. **APOLAR CONSTITUENTS OF SOME BIOLOGICALLY ACTIVE *Dianthus* SPECIES FROM WESTERN ANATOLIA**
Durucasu I., Mutlu K., ŞIK L., YAŞA İ., Arda N., Kirmizigul S.
CHEMISTRY OF NATURAL COMPOUNDS, vol.45, no.6, pp.782-785, 2009 (SCI-Expanded)
- XLII. **Fatty Acid Profile and in vitro Antioxidant and Antibacterial Activities of Red Grape (*Vitis vinifera* L. cvs. Okuzgozu and Bogazkere) Marc Extracts**
Cibik B., Oezaydin Z., Boeke N., Karabay U., Pekmez M., Arda N., Kirmiziguel S.
NATURAL PRODUCT COMMUNICATIONS, vol.4, no.3, pp.399-404, 2009 (SCI-Expanded)
- XLIII. **Expression of human cytochrome p450 3A4 gene in *Schizosaccharomyces pombe***
Palabiyik B., Karaer S., Arda N., Toker S. E., Temizkan G., Kelly S., Sarikaya A. T.
BIOLOGIA, vol.63, no.3, pp.450-454, 2008 (SCI-Expanded)
- XLIV. **Antioxidant activity of whey protein fractions isolated by gel exclusion chromatography an protease treatment**
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XXXVII. Heat Shock Proteins: Potential Biomarkers in Health and Disease.

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XXXVIII. Heat shock proteins: potential biomarkers in health and disease.

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XXXIX. Fission yeast as a model for aging and neurodegenerative disease.

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- L.II. **Antioxidant activity of *Viscum album* L. (Mistletoe)**
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Other Publications

- I. **BAZI BİTKİ EKSTRELERİNİN ANTIOKSİDAN AKTİVİTESİ VE ROZMARİNİK ASİT İÇERİĞİ ÜZERİNE ÇALIřMALAR**
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Other, pp.1-73, 2016
- II. **İSTANBUL'DAKİ AKDENİZ SERVİSİ (Cupressus sempervirens L.) ve SABİN ARDICI (Juniperus sabina L.) POLENLERİNİN ALERJENİK PROTEİNLERİ**
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Other, pp.1-69, 2015
- III. **Hsp27 ("Heat Shock Protein 27")'nin SDS-PAGE ve Western Blot Analizi, "VIII Uluslararası Katılımlı Molekùler Biyoloji ve Genetik Öğrenci Kış Okulu", İ.Ü. Fen Fakùltesi Molekùler Biyoloji ve Genetik Bölümü, 4-6 Mart 2011, Uygulama Kılavuzu,**
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Supported Projects

- SİLME R. S., AZİM M. K., ÇETİNKAYA A., ARDA E. ř. N., BAYSAL Ö., NADEEM S., Project Supported by Higher Education Institutions, Serratia spp'nın Tüm Genom Sekanslaması ve Bitki Geliřimini Teřvik Edici Kullanımının İncelenmesi, 2019 - 2021
- STEINUM T. M., KARATAř STEINUM S., ARDA E. ř. N., YARDIMCI R. E., PEKMEZ M., TURGAY E., TEKELİ F., Project Supported by Higher Education Institutions, Tenacibaculum maritimum izolatlarının filogenetik ve enzimatik karaterlerinin incelenmesi, 2016 - 2018
- KARATAř STEINUM S., TURGAY E., YARDIMCI R. E., ARDA E. ř. N., Project Supported by Higher Education Institutions, Sakarya ilinde bulunan gökkuřađı alabalđı iřletmelerinde ortaya çıkan bakteriyel hastalıkların karakterizasyonu ve teřhisi, 2014 - 2017
- ÖNAY UÇAR E., PEKMEZ M., ARDA E. ř. N., DALYAN L., MERTOĐLU E., Project Supported by Higher Education Institutions,

Protective Effects of Sanicula europaea Extracts on Nuclear DNA Damage, 2016 - 2016

PEKMEZ M., ARDA E. Ş. N., Project Supported by Higher Education Institutions, İndometasin ve E vitamini uygulanmış C6 Sıçan Glioma Hücrelerinde Ölüm Mekanizmalarının Araştırılması, 2013 - 2016

BOLKENT Ş., KARATUĞ KAÇAR A., SANCAR BAŞ S., ARDA E. Ş. N., ÖNAY UÇAR E., Project Supported by Higher Education Institutions, GLUKOTOKSİSİTE, LİPOTOKSİSİTE VE GLUKOLİPOTOKSİSİTE DURUMLARINDA PANKREATİK KÖK HÜCRELER, ASINAR HÜCRELER VE PANKREATİK KANAL HÜCRELERİNİN BETA HÜCRELERİNE FARKLILAŞMA MEKANİZMALARININ ARAŞTIRILMASI, 2012 - 2016

ÖNAY UÇAR E., ARDA E. Ş. N., Project Supported by Higher Education Institutions, Sanicula europaea Ekstresinin Hücre Kültüründe Oksidatif Stres Sonucu Oluşan Hasarların Onarımı Üzerine Etkileri, 2012 - 2016

ARDA E. Ş. N., Project Supported by Higher Education Institutions, İstanbul'daki Ak Dut (Morus alba L.) ve Mavi Atlas Sediri [Cedrus atlantica (Endl.) Carr. cv. ?Glauca?] Polenlerinin Alerjenik Proteinleri, 2013 - 2014

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Sistemik Lupus Eritematozus Hastalarında Sitokinlerin Gen Anlatımı ve miRNA'lar Arasındaki İlişkinin Araştırılması, 2012 - 2014

ARDA E. Ş. N., Project Supported by Higher Education Institutions, İnsan Torasik Aortik Anevrizmalarında Oksidatif Stresle İlişkili Gen Anlatımlarının İncelenmesi, 2011 - 2014

BÜYÜKÖZTÜRK S., GELİNCİK A., DENİZ G., ARDA E. Ş. N., ERTEN YURDAGÜL G., PEKMEZ M., ÖNAY UÇAR E., KARLIOĞLU N., Project Supported by Higher Education Institutions, İstanbul Park, Bahçe ve Korularındaki Bazı Ağaç Polenlerinin Alerjenitesinin ve İmmunohistokimyasal Özelliklerinin Araştırılması, 2009 - 2014

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Triterpen glikozit Scoposide C'nin Schizosaccharomyces pombe'de IMPDH aktivitesi üzerine inhibe edici etkisi, 2013 - 2013

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Oksidatif Protein Hasarlarının Belirlenmesinde ve Antioksidan Aktivite Tayininde Proteomik Yaklaşım, 2009 - 2013

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Sarı Pas Enfeksiyonuna Dirençli Buğday (Triticum aestivum L.)'da Proteomik Analizler., 2012 - 2012

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Antioxidant activity of whey protein fractions isolated by gel exclusion chromatography and protease treatment, 2010 - 2012

ARDA E. Ş. N., PEKMEZ M., TUBITAK Project, Türkiye'de Yetişen Bazı Endemik Cephalaria Türlerinin Kimyasal İçeriklerinin Belirlenmesi, Ekstrelerin ve Tanımlanacak Bileşiklerin Antioksidan ve Antimikrobiyal Aktivitelerinin Araştırılması, 2009 - 2012

ARDA E. Ş. N., Project Supported by Higher Education Institutions, The Effects of Alpha-Tocopheryl Succinate on Molecular Damages Induced by Indomethacin and on Apoptosis in C6 Glioma Cells, 2011 - 2011

ARDA E. Ş. N., Project Supported by Higher Education Institutions, E Vitamininin Sıçan C6 Glioma Hücreleri Üzerindeki Apoptoz İndükleyici Etkisi, 2010 - 2011

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Glioma Hücrelerinde İndometasinin Meydana Getirdiği Moleküler Hasarlar Üzerine E Vitamininin Etkileri, 2008 - 2011

PEKMEZ M., ARDA E. Ş. N., ÖNAY UÇAR E., KARAGÖZ A., TUBITAK Project, Süt Serum Proteinlerinin ve Hidrolizatlarının Antioksidan, Antiviral ve Antimikrobiyal Aktivitelerinin Belirlenmesi ve Yapısal Özelliklerinin Aydınlatılması, 2008 - 2011

ARDA E. Ş. N., TUBITAK Project, Aerobik Granül Çamur Yapısı, Stabilitesi ve Atık Çamurdan Fosfor Geri Kazanımının İncelenmesi, 2007 - 2010

ARDA E. Ş. N., Project Supported by Higher Education Institutions, Antioxidant Activity of Whey and Whey Hydrolysates, 2009 - 2009

Memberships / Tasks in Scientific Organizations

Proteomik Derneği, Member, 2011 - Continues

MOKAD-Moleküler Kanser Araştırma Derneği, Member, 2010 - Continues

Serbest Radikaller ve Antioksidanlar Araştırma Derneği, Member, 2006 - Continues

Türk Biyokimya Derneği, Member, 2001 - Continues

Biyoteknoloji Derneği, Member, 2000 - Continues

Türk Mikrobiyoloji Cemiyeti, Member, 1998 - Continues

Türk Kimya Derneği, Member, 1992 - Continues

Scientific Refereeing

Food and Chemical Toxicology, SCI Journal, April 2013

Journal of the Serbian Chemical Society, SCI Journal, March 2012

Scientific Consultations

İstanbul Foundation for Culture and Arts, Scientific Consultancy, Istanbul University, Faculty Of Science, Moleküler Biyoloji ve Genetik Bölümü, Turkey, 2020 - 2020

Okyanus Koleji, Scientific Consultancy, Istanbul University, Faculty Of Science, Moleküler Biyoloji ve Genetik Bölümü, Turkey, 2011 - 2012

Scientific Research / Working Group Memberships

Hulusi Behçet Yaşam Bilimleri Merkezi, İSTANBUL ÜNİVERSİTESİ, Türkiye, Yok, 2013 - Continues

Biohealth Computing Erasmus Mundus Master Program, İSTANBUL ÜNİVERSİTESİ, Türkiye, <http://biohealth-computing.org/>, 2011 - Continues

Metrics

Publication: 162

Citation (WoS): 985

Citation (Scopus): 1082

H-Index (WoS): 16

H-Index (Scopus): 18

Congress and Symposium Activities

IX. International Congress of Molecular Medicine, Audience, İstanbul, Turkey, 2023

IX. International Congress of Molecular Medicine, Moderator, İstanbul, Turkey, 2023

3rd International Propolis Conference, Attendee, İstanbul, Turkey, 2023

3rd International Propolis Conference, Session Moderator, İstanbul, Turkey, 2023

5th Eurasia Biochemical Approaches & Technologies Congress - 5th EBAT, Audience, Antalya, Turkey, 2023

5th Eurasia Biochemical Approaches & Technologies Congress, Working Group, Antalya, Turkey, 2023

1st International Apitherapy Congress, Invited Speaker, Düzce, Turkey, 2023

1st International Apitherapy Congress, Audience, İstanbul, Turkey, 2021

İlaç Tasarımında Yüksek Başarımlı Hesaplama Teknolojileri, Audience, İstanbul, Turkey, 2021

MESMAP-6 (The 6th International Mediterranean Symposium on Medicinal and Aromatic Plants), Invited Speaker, Kilis, Turkey, 2020

5th International Conference on Innovation in Science and Technology, Attendee, Barcelona, Spain, 2018

II. Uluslararası Gıda AR-GE Proje Pazarı, Attendee, İzmir, Turkey, 2013

Pombe 2013-EMBO Conference, Attendee, Londra, United Kingdom, 2013

SUNY Ceremony, Attendee, İstanbul, Turkey, 2013

Genetik Zirvesi, Attendee, İstanbul, Turkey, 2013

Moleküler Biyoteknoloji Bahar Okulu, Attendee, Trabzon, Turkey, 2013

Biohealth Computing (BIOHC) Second Scientific Meeting, Attendee, Archamps, France, 2012

JOI.CON Bologna Konferansı, Attendee, Bologna, Italy, 2012

COIMBRA GROUP-Annual Meeting, Attendee, Göttingen, Germany, 2012

COIMBRA GROUP-Doctoral Studies and Research Task Force Meeting, Attendee, Brüksel, Belgium, 2012

Çalışmalarda İstatistiğin Rolü: Bilinmesi Gereken Yöntemler ve Uygulama Alanları, Attendee, İstanbul, Turkey, 2012

Visual Activities

ARDA E. Ş. N., TV / Radio Training Program in Corporate Studios, 2006 - 2007