

Assoc. Prof. NACIYE ERKAN

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International Researcher IDs

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Education Information

Doctorate, Akdeniz University, Institute of Science, Kimya/Fizikokimya, Turkey 2002 - 2008

Postgraduate, Akdeniz University, Institute of Science, Kimya/Fizikokimya, Turkey 1998 - 2001

Undergraduate, Akdeniz University, Faculty Of Science, Kimya, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Uygulamalı HPLC Eğitimi, Akdeniz Üniv. Fen Fak. Kimya Bölümü, 2013

Education Management and Planning, Biyosensörler: Metodlar, Uygulamalar ve Son Gelişmeler Lisanüstü Yaz Okulu, Ege Üniversitesi, 2012

Dissertations

Doctorate, Çörek otu (*Nigella sativa* L.) ve kuşdili (*Rosmarinus officinalis* L.) ekstraktlarının antioksidan aktivitelerinin incelenmesi ve lipid oksidasyon kinetiği üzerine etkilerinin takip edilmesi, Akdeniz University, Institute of Science, Kimya, 2008

Postgraduate, Mikrodalga ısıtma koşullarında bitkisel yağların otooksidasyonunun incelenmesi, Akdeniz University, Institute of Science, Kimya, 2001

Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Bioanalytical Methods, Food Analysis, Chromatographic Analysis, Spectroscopical Methods, Physical Chemistry, Chemical Kinetics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Akdeniz University, Technical Sciences Vocational School, Mülkiyet Koruma Ve Güvenlik, 2018 - Continues

Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Department of Property Protection and Safety, 2018 - 2018

Assistant Professor, Akdeniz University, Technical Sciences Vocational School, Department of Property Protection and Safety, 2017 - 2018

Lecturer PhD, Akdeniz University, Tbmyo, Sivil Savunma Ve İtfaiyecilik, 2010 - 2017

Research Assistant, Akdeniz University, Institute of Science, Kimya, 1998 - 2008

Academic and Administrative Experience

Akdeniz University, Technical Sciences Vocational School, Mülkiyet Koruma Ve Güvenlik, 2019 - Continues

Courses

Organik Kimya, Undergraduate, 2018 - 2019

Genel Kimya (Yaz Okulu), Associate Degree, 2018 - 2019

Organik Kimya (Yaz Okulu), Undergraduate, 2018 - 2019

Analitik Kimya (Yaz OKulu) , Undergraduate, 2017 - 2018

Genel Kimya (Yaz okulu) , Associate Degree, 2017 - 2018

Kimya, Undergraduate, 2018 - 2019

Sanayi Yangınları, Associate Degree, 2014 - 2015

Genel Kimya, Associate Degree, 2014 - 2015

Genel Kimya, Associate Degree, 2014 - 2015

Deniz Yangınları, Associate Degree, 2013 - 2014

Araştırma Yöntem ve Teknikleri, Associate Degree, 2013 - 2014

İletişim, Associate Degree, 2014 - 2015

Genel Kimya, Associate Degree, 2014 - 2015

Acil Durum Yönetimi , Associate Degree, 2013 - 2014, 2012 - 2013

Araştırma Yöntem ve Teknikleri, Associate Degree, 2014 - 2015

Organik Kimya, Undergraduate, 2014 - 2015, 2013 - 2014

İletişim, Associate Degree, 2014 - 2015

İletişim, Associate Degree, 2014 - 2015

Genel Kimya, Associate Degree, 2014 - 2015

Araştırma Yöntem ve Teknikleri, Associate Degree, 2014 - 2015

Sanayi Yangınları, Associate Degree, 2014 - 2015

Kalite Güvence ve Standartlar, Associate Degree, 2013 - 2014

Genel Kimya, Associate Degree, 2014 - 2015

Tıbbi Gazlar, Associate Degree, 2012 - 2013

Tıbbi Gazlar, Associate Degree, 2012 - 2013

Acil Durum Yönetimi , Associate Degree, 2012 - 2013

Sistem Analizi , Associate Degree, 2012 - 2013

Sistem Analizi , Associate Degree, 2012 - 2013

Deniz Yangınları, Associate Degree, 2012 - 2013

Deniz Yangınları, Associate Degree, 2012 - 2013

Genel Kimya, Undergraduate, 2012 - 2013, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the composition and antioxidant activity of acetone and methanol extracts of *Daphne sericea* L. and *Daphne gnidioides* L.**
TONGUR T., ERKAN N., Ayranci E.
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.55, no.4, pp.1396-1406, 2018 (SCI-Expanded)
- II. **Solution Behavior of p-Coumaric, Caffeic and Ferulic Acids in Methanol as Determined from Volumetric Properties: Attempts to Explore a Correlation with Antioxidant Activities**
Sahin M., ERKAN N., Ayranci E.
JOURNAL OF SOLUTION CHEMISTRY, vol.45, no.1, pp.52-66, 2016 (SCI-Expanded)
- III. **Radical Scavenging Capacity of Methanolic *Phillyrea latifolia* L. Extract: Anthocyanin and Phenolic Acids Composition of Fruits**
Ayranci E., ERKAN N.
MOLECULES, vol.18, no.2, pp.1798-1810, 2013 (SCI-Expanded)
- IV. **Antioxidant activity and phenolic compounds of fractions from *Portulaca oleracea* L**
Erkan N.
FOOD CHEMISTRY, vol.133, no.3, pp.775-781, 2012 (SCI-Expanded)
- V. **Lipid oxidation inhibiting capacities of blackseed essential oil and rosemary extract**
ERKAN N., Ayranci G., Ayranci E.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.114, no.2, pp.175-184, 2012 (SCI-Expanded)
- VI. **Antibacterial Activities of Essential Oils Extracted from Leaves of *Murraya koenigii* by Solvent-Free Microwave Extraction and Hydro-Distillation**
Erkan N., Tao Z., Rupasinghe H. P. V., Uysal B., Oksal B. S.
NATURAL PRODUCT COMMUNICATIONS, vol.7, no.1, pp.121-124, 2012 (SCI-Expanded)
- VII. **Phenolic compounds profile and antioxidant activity of *Dorystoechas hastata* L. Boiss et Heldr**
ERKAN N., AKGONEN S., OVAT S., GOKSEL G., Ayranci E.
FOOD RESEARCH INTERNATIONAL, vol.44, no.9, pp.3013-3020, 2011 (SCI-Expanded)
- VIII. **Antioxidant activities of *Sideritis congesta* Davis et Huber-Morath and *Sideritis arguta* Boiss et Heldr: Identification of free flavonoids and cinnamic acid derivatives**
ERKAN N., ÇETİN H., Ayranci E.
FOOD RESEARCH INTERNATIONAL, vol.44, no.1, pp.297-303, 2011 (SCI-Expanded)
- IX. **Antioxidant Protection of Eicosapentaenoic Acid and Fish Oil Oxidation by Polyphenolic-Enriched Apple Skin Extract**
Rupasinghe H. P. V., Erkan N., Yasmin A.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.58, no.2, pp.1233-1239, 2010 (SCI-Expanded)
- X. **A kinetic study of oxidation development in sunflower oil under microwave heating: Effect of natural antioxidants**
ERKAN N., Ayranci G., Ayranci E.
FOOD RESEARCH INTERNATIONAL, vol.42, no.8, pp.1171-1177, 2009 (SCI-Expanded)
- XI. **Antioxidant activities of rosemary (*Rosmarinus Officinalis* L.) extract, blackseed (*Nigella sativa* L.) essential oil, carnosic acid, rosmarinic acid and sesamol**
ERKAN N., Ayranci G., Ayranci E.
FOOD CHEMISTRY, vol.110, no.1, pp.76-82, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Poly 3 Hydroxybutyrate Co 3 Hydroxyhexanoate Gelatin Microfiber Textile Fibers Containing Vitamin E and Black Cumin Oil: Antibacterial Activity and Contribution to Wound Healing**
KUTLU E., EMEN F. M., ERKAN N., OLGUNER C., KUTLU E., SUDESH K.
ANKEM Dergisi, vol.38, no.2, pp.37-52, 2024 (Peer-Reviewed Journal)
- II. **Stability of some phenolic antioxidants and linoleic acid in solution under microwave and**

convective heating conditions

ERKAN N.

Focusing on Modern Food Industry, vol.2, pp.179-184, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of Salt Tolerance Levels of Landrace Climbing Common Bean (*Phaseolus vulgaris* L.) Genotypes Collected from Western Mediterranean Region**
ULUKAPI K., Aydınsakir K., ERKAN N.
The 30th International Horticultural Congress (IHC2018), İstanbul, Turkey, 12 - 17 August 2018, pp.1
- II. **Quinone reductase inducing and cytotoxic effects of extracts from *Dorystaechas hastata* and *Sideritis Arguta* against H₂O₂-induced oxidative stress: Lipid peroxidation inhibiting capacities**
ERKAN N., Şahin M., Özmen A., Çinbilgel İ.
15th ISANH Conference on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants, Paris, France, 22 - 24 June 2015, pp.129
- III. **Quinone reductase inducing and cytotoxic effects of extracts from *Dorystaechas hastata* and *Sideritis Arguta* against H₂O₂-induced oxidative stress: Lipid peroxidation inhibiting capacities**
ERKAN N., ŞAHİN M., ÖZMEN A., ÇİNBİLGEL İ.
15th ISANH Conference on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants, Paris, France, 22 - 24 June 2015, pp.1
- IV. **Oxidative stability of omega-3 fatty acid enriched fish oil incorporated with apple skin phenolics**
ERKAN N., Rupasinghe H. V., Yasmin A.
IUFOST 2010, Cape Town, South Africa, 22 - 26 August 2010, pp.118
- V. **Antibacterial Activity of Essential Oil Obtained from Leaves of *Murraya koenigii* L. by Solvent-free Microwave Extraction and Hydro-distillation**
ERKAN N., Tao Z., Rupasinghe H., Uysal B., Oksal B. Ş.
IUFOST 2010, Cape Town, South Africa, 22 - 26 August 2010, pp.188
- VI. **Oxidative Stability of Fish oil Incorporated with Apple Skin Extract under Accelerated Conditions**
ERKAN N., Rupasinghe H. V.
100th AOCS annual meeting and Expo, Florida, United States Of America, 3 - 06 May 2009, pp.105
- VII. **Bazı fenolik antioksidantlar ve linoleik asitin çözelti içinde ayrı ayrı veya karışım halinde mikrodalga ve konveksiyonel ısıtma koşullarındaki kararlılığının HPLC ile incelenmesi**
ERKAN N., Ayrancı G., AYRANCI E.
Kromatografi 2008, Isparta, Turkey, 9 - 11 June 2008, pp.21
- VIII. **Sıcaklık kontrollü mikrodalga ısıtma koşullarında karnosik asit ve sesamolün antioksidant olarak ayçiçek yağının oksidasyonu üzerine etkileri**
ERKAN N., Ayrancı G., AYRANCI E.
Kromatografi 2008, Isparta, Turkey, 9 - 11 June 2008, pp.1
- IX. **Investigation of the antioxidant activity of carnosic acid in tocopherol-stripped sunflower oil in a microwave oven**
ERKAN N., Ayrancı G.
AOCS World conference and exhibition on Oilseed and Vegetable oil utilization, İstanbul, Turkey, 14 - 16 August 2006, pp.23
- X. **Investigation of the antioxidant activity of rosemary (*Rosmarinus officinalis* L.) extract in tocopherol-stripped sunflower oil in a convection oven**
ERKAN N., Ayrancı G.
AOCS World conference and exhibition on Oilseed and Vegetable oil utilization, İstanbul, Turkey, 14 - 16 August 2006, pp.22

Supported Projects

ULUKAPI K., GÜNAY M., NASIRCILAR A. G., ERKAN N., AYDİNŞAKİR K., Project Supported by Higher Education Institutions, *In vitro* Mutasyon Tekniği Kullanılarak Kurağa Toleranslı Fasulye Çeşidi Geliştirilmesi ve Fasulye Gen Havuzu Oluşturulması, 2017 - 2020

ERKAN N., Project Supported by Other Official Institutions, Endemik Bitki Ekstraktları ve/veya Saf Antioksidan Karışımları Kullanılarak Yüksek Oksidatif Stabiliteye Sahip Balık Yağı Mikrokapsüllerinin Püskürtmeli Kurutma Tekniği ile Hazırlanması, 2013 - 2014

ERKAN N., Other International Funding Programs, Natural fruit antioxidants for the stability of omega-3; 2) Value-added fruit products, 2008 - 2012

Scientific Refereeing

European Journal of Lipid Science and Technology/ejlst-201600439, SCI Journal, December 2016

Journal of Food Biochemistry/JFBC-09-16-0441, SCI Journal, October 2016

Journal of Food Biochemistry/JFBC-03-16-0096, SCI Journal, May 2016

Food Chemistry/FOODCHEM-D-16-01108, SCI Journal, April 2016

Food Chemistry/FOODCHEM-D-12-04691, SCI Journal, December 2012

African Journal of Biotechnology/AJB-12-2966, Other Indexed Journal, December 2012

Food Chemistry/FOODCHEM-D-12-01782, SCI Journal, November 2012

Food Chemistry/FOODCHEM-D-12-02619, SCI Journal, November 2012

Journal of Food Engineering/JFOODENG-D-10-00828, SCI Journal, November 2012

Journal of the American Oil Chemists' Society/JAOCS-12-0349, SCI Journal, November 2012

African Journal of Pharmacy and Pharmacology/AJPP-12-463, Other Indexed Journal, May 2012

Molecules/molecules-13489, SCI Journal, February 2012

Metrics

Publication: 23

Citation (WoS): 674

Citation (Scopus): 759

H-Index (WoS): 9

H-Index (Scopus): 10

Scholarships

Doktora Sonrası Araştırma Bursu, University, 2008 - Continues