

## **Assoc. Prof. NACİYE ERKAN**

### **Personal Information**

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### **International Researcher IDs**

ORCID: 0000-0001-9502-1696

Yoksis Researcher ID: 199056

### **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., Ayrancı 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., Ayrancı 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**  
Ayrancı 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., Ayrancı G., Ayrancı 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., Ayrancı 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., Ayrancı 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., Ayrancı G., Ayrancı 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., Ayrancı G., Ayrancı E.  
FOOD CHEMISTRY, vol.110, no.1, pp.76-82, 2008 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Stability of some phenolic antioxidants and linoleic acid in solution under microwave and convectional 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., Aydinsakir 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 H<sub>2</sub>O<sub>2</sub>-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 H<sub>2</sub>O<sub>2</sub>-induced oxidative stress: Lipid peroxidation inhibiting capacities**  
ERKAN N., ŞAHİN M., ÖZMEN A., ÇİNİBİLGEŁ 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. **Bazi 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 açıcı ek yağıının 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., GÜNEY M., NASIRCILAR A. G., ERKAN N., AYDINŞAKİR K., Project Supported by Higher Education Institutions, *İn 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 Karışımıları 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: 22  
Citation (WoS): 674  
Citation (Scopus): 759  
H-Index (WoS): 9  
H-Index (Scopus): 10

## Scholarships

Doktora Sonrası Araştırma Bursu, University, 2008 - Continues