

Prof. CANAN DOĞAN

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Analitik Kimya, Turkey 1999 - 2007

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1996 - 1999

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Kimya, Turkey 1992 - 1996

Dissertations

Doctorate, Aevli Atomik Absorpsiyon Spektrofotometri İle Kurşun Tayini Ön Zenginleştirilmesi ve Ayrılmasında Modifiye Silikajel'in Kullanımı, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2007

Postgraduate, Sepiyolit Mineralinin Çeşitli Eser Elementlerin Zenginleştirilmesi ve Ayrılması Amacıyla Kullanımı, Istanbul Technical University, Fen Bilimleri Enstitüsü, 1999

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Technology, Metallurgical and Materials Engineering, 2023 - Continues

Associate Professor, Marmara Araştırma Merkezi, Gıda Enstitüsü, 2008 - 2023

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2002 - 2008

Research Assistant, University of Calgary, Science Faculty, Department of Chemistry, 2002 - 2002

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 1998 - 2002

Research Assistant, Technische Universitaet Darmstadt, Faculty of Material Science, Analytical Chemistry, 2001 - 2001

Advising Theses

Doğan C., Cankurt H., Türkiye'nin Organik Üretimdeki Yeri ve Avrupa Birliği ve Türkiye'deki Kontrol ve Sertifikasyon Sistemleri, Postgraduate, C.Akyüz(Student), 2022

Doğan C., Sağdıç O., Proteince Zenginleştirilmiş Fırınlanmış Cips Üretimi, Postgraduate, Ö.Kepekçi(Student), 2022

Doğan C., Sağdıç O., Un ve Unlu Mamullerde L-Sistein Tespitine Yönelik Kromatografik ve Spektroskopik Metotların Geliştirilmesi, Postgraduate, A.Develioğlu(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a new and sensitive method for the detection of pork adulteration in gelatin and other highly processed food products**
Yayla M. E. A., Ekinci Dogan C.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.38, no.6, pp.881-891, 2021 (SCI-Expanded)
- II. **Evaluation of Raman microscopy for the detection of additional monosodium glutamate in dry soup mix**
ÇEBİ N., Ozturk T., Dogan C., SAĞDIÇ O.
QUALITY ASSURANCE AND SAFETY OF CROPS & FOODS, vol.12, no.1, pp.1-10, 2020 (SCI-Expanded)
- III. **Purification and analysis of DNA from low DNA content food samples**
Yayla M. E. A., Dogan C., Sarioglan S.
JOURNAL OF CONSUMER PROTECTION AND FOOD SAFETY, vol.14, no.2, pp.147-155, 2019 (SCI-Expanded)
- IV. **Investigation of antimony, cobalt, and acetaldehyde migration into the drinking water in Turkey**
Dogan C., ÇEBİ N.
PACKAGING TECHNOLOGY AND SCIENCE, vol.32, no.5, pp.239-246, 2019 (SCI-Expanded)
- V. **A rapid ATR-FTIR spectroscopic method for classification of gelatin gummy candies in relation to the gelatin source**
ÇEBİ N., Dogan C., Mese A. E., Ozdemir D., ARICI M., SAĞDIÇ O.
FOOD CHEMISTRY, vol.277, pp.373-381, 2019 (SCI-Expanded)
- VI. **Rapid and on-site electrochemical detection of bisphenol A and arsenic in drinking water using a novel electrode array**
Uludag Y., Olcer Z., Dogan C., Muhammad T., Altintas Z.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.1, pp.239-250, 2019 (SCI-Expanded)
- VII. **Detection of cystine and cysteine in wheat flour using a robust LC-MS/MS method**
Dogan C., ÇEBİ N., Develioğlu A., Olgun E. O., SAĞDIÇ O.
JOURNAL OF CEREAL SCIENCE, vol.84, pp.49-54, 2018 (SCI-Expanded)
- VIII. **A survey of free glutamic acid in foods using a robust LC-MS/MS method**
ÇEBİ N., Dogan C., Olgun E. O., SAĞDIÇ O.
FOOD CHEMISTRY, vol.248, pp.8-13, 2018 (SCI-Expanded)
- IX. **Detection of L-Cysteine in wheat flour by Raman microspectroscopy combined chemometrics of HCA and PCA**
ÇEBİ N., Dogan C., Develioğlu A., Yayla M. E. A., SAĞDIÇ O.
FOOD CHEMISTRY, vol.228, pp.116-124, 2017 (SCI-Expanded)
- X. **Hidden Toxicity in Neonatal Intensive Care Units: Phthalate Exposure in Very Low Birth Weight Infants**
Demirel A., ÇOBAN E. A., Yildirim S., Dogan C., Sancı R., İNCE E. Z.
JOURNAL OF CLINICAL RESEARCH IN PEDIATRIC ENDOCRINOLOGY, vol.8, no.3, pp.298-304, 2016 (SCI-Expanded)
- XI. **Formaldehyde migration in aqueous extracts from paper and cardboard food packaging materials in Turkey**
Dogan C., Sancı R.
FOOD ADDITIVES & CONTAMINANTS PART B-SURVEILLANCE, vol.8, no.3, pp.221-226, 2015 (SCI-Expanded)
- XII. **Determination of lead in spiked seawater samples by electrothermal atomic absorption**

spectrometry using chemical modifiers

Dogan C., Ortner H. M.

INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.36, no.3, pp.267-278, 2008 (SCI-Expanded)

- XIII. **Sorption and desorption of lead on 5-amino-1,3,4-thiadiazole-2-thiol immobilized silica gel by flame atomic absorption spectrometry (FAAS)**

Dogan C., AKÇİN G.

INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.36, no.5, pp.476-492, 2008 (SCI-Expanded)

- XIV. **Solid phase extraction and determination of lead in water samples using silica gel homogeneously modified by thiosalicylic acid**

Dogan C., Akcin G.

ANALYTICAL LETTERS, vol.40, no.13, pp.2524-2543, 2007 (SCI-Expanded)

- XV. **Sorption and preconcentration of vanadium, chromium, manganese, and lead on silica gel modified with (3-mercaptopropyl) trimethoxysilane**

Dogan C., Koklu U.

INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.34, no.3, pp.359-366, 2006 (SCI-Expanded)

- XVI. **Biosorption of Au(III) and Cu(II) from aqueous solution by a non-living Cetraria islandica (L) Ach.**

Dogan C., TURHAN K., Akcin G., Aslan A.

ANNALI DI CHIMICA, vol.96, no.3-4, pp.229-236, 2006 (SCI-Expanded)

- XVII. **Biosorption of Au (III) and Cu (II) from aqueous solution by a non-living Usnea longissima biomass**

TURHAN K., DOĞAN C., AKÇİN G., Aslan A.

Fresenius Environmental Bulletin, vol.14, no.12 A, pp.1129-1135, 2005 (SCI-Expanded)

- XVIII. **Sorption and preconcentration of some trace metals on sepiolite**

DOĞAN C., Köklü Ü.

Annali di Chimica, vol.92, no.11-12, pp.1171-1174, 2002 (SCI-Expanded)

- XIX. **Application of colloidal palladium modifier for the determination of As, Sb and Pb in a spiked sea water sample by electrothermal atomic absorption spectrometry**

Volynsky A., Akman S., Dogan C., Koklu U.

SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.56, no.12, pp.2361-2369, 2001 (SCI-Expanded)

- XX. **Determination of vanadium, manganese, silver and lead by graphite furnace atomic absorption spectrometry after preconcentration on silica-gel modified with 3-aminopropyltriethoxysilane**

Ekinci C., Koklu U.

SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.55, no.9, pp.1491-1495, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bulaşık Makinelerinde Oluşan Plastik ve Gıda Kaynaklı Kokuların Head Space GC-MS İle Tespiti**

DOĞAN C.

Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.25, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Farklı Bamya Ekstrelerinin İnsan Periodontal Ligament Fibroblast Hücrelerine Etkisinin Değerlendirilmesi.**

TOSUN U. U., aydın s. t., tiryaki a., baykara d., TAŞKIN T., DOĞAN C., GÜNDÜZ O., AĞRALI Ö. B.

Türk Diş Hekimleri Birliği 27. Uluslararası Diş Hekimliği Kongresi, Ankara, Turkey, 26 October 2023

- II. **Ricinus Communis Ekstresinin İnsan Periodontal Ligament Fibroblast Hücrelerine Etkisinin Değerlendirilmesi.**

AKAN E., aydın s. t., tiryaki a., baykara d., TAŞKIN T., DOĞAN C., GÜNDÜZ O., AĞRALI Ö. B.

Türk Diş Hekimleri Birliği 27. Uluslararası Diş Hekimliği Kongresi, Ankara, Turkey, 26 October 2023

III. İndigo Naturalis Ekstresinin İnsan Periodontal Ligament Fibroblast Hücrelerine Etkisinin Araştırılması.

aktan a., aydın s. t., tiryaki a., baykara d., DOĞAN C., GÜNDÜZ O., TAŞKIN T., AĞRALI Ö. B.

Türk Diş Hekimleri Birliği 27. Uluslararası Diş Hekimliği Kongresi, Ankara, Turkey, 26 October 2023

Supported Projects

Doğan C., TUBITAK Project, Multifonksiyonel Su Buharı Bariyerli Fiber Temelli Bio Ambalaj Malzemeleri-Biobarrier4fiber, 2023 - 2025

Doğan C., Project Supported by Other Private Institutions, Fındık Türü Kavurma Sıcaklığı ve Süresinin Fındık Miktar Analizine Etkilerinin Araştırılması, 2021 - 2022

Doğan C., Project Supported by Other Official Institutions, Domuz Kaynaklı Gıdaların Sahada Hızlı ve Ekonomik Tespiti İçin Ekipman Geliştirilmesi, 2019 - 2020

Doğan C., Project Supported by Other Private Institutions, Üzüm Pekmezi Şeker Pancarı Bazlı Şurubun İlave Edilmesi İle Yapılan Hilelerin Genetik Teknikler ve Raman Spektroskopisi ile Tespit Edilebilirliğinin Araştırılması, 2018 - 2019

Doğan C., TUBITAK Project, HELAL GIDA DENETİMİNDE JELATİN, GLUTAMAT VE L-SİSTEİNİN KAYNAĞINA YÖNELİK HIZLI, EKONOMİK VE PRATİK TESPİT METOTLARININ GELİŞTİRİLMESİ, UYGULANMASI VE YAYGINLAŞTIRILMASI, 2015 - 2019

Doğan C., TUBITAK Project, ÇAYDAN KATMA DEĞERİ YÜKSEK YENİ ÜRÜNLER GELİŞTİRİLMESİ, 2013 - 2016

Doğan C., TUBITAK Project, YÜKSEK KALİTELİ KURU KAYISI ÜRETİMİ İÇİN KÜKÜRTLEME, KURUTMA VE DEPOLAMA SİSTEMLERİNİN GELİŞTİRİLMESİ, 2013 - 2016

Doğan C., FP7 Project, TDSEXPOSURE-TOTAL DIET STUDY EXPOSURE, 2011 - 2014

Doğan C., Project Supported by Other Private Institutions, TÜBİTAK MAM GIDA ENSTİTÜSÜ Endüstriyel Hizmet, 2008 - 2014

Doğan C., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Gıda Güvenliğinde Erken Teşhis, Tanı ve Risk Değerlendirme Merkezi, 2011 - 2013

Doğan C., FP7 Project, APIFRESH- DEVELOPING EUROPEAN STANDARDS FOR BEE POLEN AND ROYAL JELLY: QUALITY, SAFETY AND AUTHENTICITY, 2010 - 2013

Doğan C., FP7 Project, IMPROVING THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH CAPACITY OF FOOD INSTITUTE ON SAFETY AND TECHNOLOGY OF FOOD PACKAGING, 2008 - 2012

Doğan C., Project Supported by Other Official Institutions, BİYOLOJİK NUMUNELERDE DEHP VE TÜREVLERİNİN LC-MS-MS İLE TAYİNİ, 2011 - 2011

Doğan C., Project Supported by Other Private Institutions, FINDIK FÜRESİNDE TAĞŞIŞIN SAPTANMASINA YÖNELİK ANALİZ YÖNTEMLERİNİN ARAŞTIRILMASI, 2010 - 2011

Doğan C., World Bank Supported Project, UNIDO- (UNISWORK X-XIV) INTERNATIONAL WORKSHOP AND STUDY VISIT PROGRAMMES ON FOOD PROCESSING, PACKAGING AND CONTROL OF MYCOTOXINS IN FOODSTUFFS, 2008 - 2011

Doğan C., Project Supported by Other Private Institutions, PET ŞİŞEYLE AMBALAJLANMIŞ SULARDA İSTENMEYEN KOKULARIN ARAŞTIRILMASI, 2008 - 2009

Doğan C., Project Supported by Higher Education Institutions, Gaz Kromatografi-Kütle Spektroskopisi (GC-MS) Tekniği İle Bazı Alkolsüz İçeceklerde Bazı Organik Kurşun Türlerinin Tayini, 2005 - 2007