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Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Fakültesi, Kimya/ Organik Kimya, Turkey 1979 - 1984

Undergraduate, Istanbul University, Kimya Fakültesi, Kimya Yüksek Mühendisliği, Turkey 1973 - 1978

Foreign Languages

French, B2 Upper Intermediate

Romanian, C1 Advanced

English, B2 Upper Intermediate

Russian, B1 Intermediate

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Istanbul University, Faculty of Science, Moleküller Biyoloji Ve Genetik, 2003 - Continues

Professor, Mustafa Kemal Üniversitesi, Fen Fakültesi, Kimya , 1998 - 2003

Assistant Professor, Istanbul Technical University, Fen Edebiyat Fakültesi, Kimya , 1987 - 1990

Research Assistant PhD, Istanbul Technical University, Fen Edebiyat, Kimya , 1984 - 1987

Research Assistant, Istanbul Technical University, Fen Edebiyat Fakültesi, Kimya , 1979 - 1984

Other, Istanbul University, Fen Edebiyat Fakültesi, Kimya , 1978 - 1979

Academic and Administrative Experience

Mustafa Kemal Üniversitesi, Fen Edebiyat Fakültesi, 1999 - 2003

Courses

Organik Kimya II, Undergraduate, 2017 - 2018, 2016 - 2017

Sekonder Metabolitler, Undergraduate, 2016 - 2017

Advising Theses

ARI Ş., GÜNAYDIN K., Bazı tıbbi bitki ve mantar ekstraktlarının insan melanoma hücreleri üzerine etkileri, Doctorate, F.Aydoğmuş(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preclinical study of the medicinal plants for the treatment of malignant melanoma**
Aydogmus-Ozturk F., Jahan H., ÖZTÜRK M., Gunaydin K., Choudhary M. I.
MOLECULAR BIOLOGY REPORTS, vol.47, no.8, pp.5975-5983, 2020 (SCI-Expanded)
- II. **Effect of Sideritis leptoclada against HT-144 human malignant melanoma**
Aydogmus-Ozturk F., Gunaydin K., ÖZTÜRK M., Jahan H., DURU M. E., Choudhary M. I.
MELANOMA RESEARCH, vol.28, no.6, pp.502-509, 2018 (SCI-Expanded)
- III. **The sensitive capillary electrophoretic-LIF method for simultaneous determination of curcuminoids in turmeric by enhancing fluorescence intensities of molecules upon inclusion into (2-hydroxypropyl)-beta-cyclodextrin**
Kalaycıoğlu Z., Hashemi P., Gunaydin K., Berker F. B.
ELECTROPHORESIS, vol.36, no.20, pp.2516-2521, 2015 (SCI-Expanded)
- IV. **Khellin: A furanochromone with toxicity against Oncopeltus fasciatus (Hemiptera) and Aedes aegypti (Diptera)**
GÜNAYDIN K.
Journal of Natural Pharmaceuticals, vol.4, no.1, pp.32-36, 2013 (SCI-Expanded)
- V. **Environmental friendly alkaline sulfite anthra quinone-methonal (ASAM) pulping with Rumex crispus plant extract of woody materials**
Mertoglu-Elmas G., Gunaydin K., Ozden O.
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.33, no.5, pp.941-944, 2012 (SCI-Expanded)
- VI. **Analysis of anthraquinones in Rumex crispus by micellar electrokinetic chromatography**
Baskan S., Daut-Ozdemir A., Gunaydin K., Erim F. B.
TALANTA, vol.71, no.2, pp.747-750, 2007 (SCI-Expanded)
- VII. **Phytochemical studies on Ruta chalepensis (lam.) lamarck**
Gunaydin K., Savci S.
NATURAL PRODUCT RESEARCH, vol.19, no.3, pp.203-210, 2005 (SCI-Expanded)
- VIII. **The chemical investigations on the ripe fruits of Ammi visnaga (LAM.) Lamarck growing in Turkey**
Gunaydin K., Beyazit N.
NATURAL PRODUCT RESEARCH, vol.18, no.2, pp.169-175, 2004 (SCI-Expanded)
- IX. **Study of the fluorescence-quenching of Mg-TNP by anionic anthraquinones**
Gunaydin K., Ion R., Scarlat F., Scarlat F., Niculescu V., Macau C.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.6, no.1, pp.289-296, 2004 (SCI-Expanded)
- X. **Determination of khellin and visnagin in Ammi visnaga fruits by capillary electrophoresis**
Gunaydin K., Erim F.
JOURNAL OF CHROMATOGRAPHY A, vol.954, pp.291-294, 2002 (SCI-Expanded)
- XI. **Porphyrins aggregation induced by temperature, radiation field and light**
GÜNAYDIN K., ION R., Scarlat F., Niculescu V., Scarlat F.
ROMANIAN REPORTS IN PHYSICS, vol.53, pp.281-292, 2001 (SCI-Expanded)
- XII. **Light, electron and photon beam irradiation of 5,10,15,20-tetra(4-sulfophenyl)porphyrin used in cancer therapy.**

GÜNAYDIN K.

Journal Balcan Union Oncology, vol.5, no.2, pp.137-140, 2000 (SCI-Expanded)

XIII. **Spectral properties and incorporation of haematoporphyrin into blood cells**

GÜNAYDIN K., Ion R., Scarlat F., Nîculescu V.

ROMANIAN JOURNAL OF PHYSICS, vol.45, pp.633-641, 2000 (SCI-Expanded)

XIV. **CONDENSATION OF ETHYL ACETOACETATE WITH NAPHTHALENE-DIOLS - THE SYNTHESIS OF SOME NOVEL COUMARINS AND CHROMONES .1.**

OYMAN U., GUNAYDIN K.

BULLETIN DES SOCIETES CHIMIQUES BELGES, vol.103, no.12, pp.763-764, 1994 (SCI-Expanded)

XV. **INVESTIGATION OF THE REACTION OF DIMETHYL DIAZOMALONATE WITH 1-PHENYLCYCLODODECENE IN THE PRESENCE OF COPPER(II) ACETYLACETONATE**

GUNAYDIN K., Anaç O.

REVUE ROUMAINE DE CHIMIE, vol.36, pp.1325-1329, 1991 (SCI-Expanded)

XVI. **The synthesis of some 1-Naphtylcycloalcanols and 1-Naphtylcycloalkenes**

GÜNAYDIN K.

REVUE ROUMAINE DE CHIMIE, vol.36, pp.925-929, 1991 (SCI-Expanded)

XVII. **ORGANOCHLORINE (OCL) PESTICIDE-RESIDUES IN HUMAN FATS .1.**

ANAC O., GUNAYDIN K.

REVUE ROUMAINE DE CHIMIE, vol.32, no.8, pp.803-806, 1987 (SCI-Expanded)

XVIII. **Photoirradiation of 1-Phenylcyclopentadecene**

GÜNAYDIN K., Oztürk T.

REVUE ROUMAINE DE CHIMIE, vol.33, pp.177-181, 1987 (SCI-Expanded)

XIX. **Investigation of Dehydration Products of Aryl and Arylalkyl Cyclododecanols**

GÜNAYDIN K., Oyman U.

REVUE ROUMAINE DE CHIMIE, vol.31, no.5, pp.497-501, 1986 (SCI-Expanded)

Articles Published in Other Journals

I. **Khellin:A furanochromone with toxicity against Oncopeltus fasciatus(Hemiptera) and Aedes aegypti(Diptera)**

GÜNAYDIN K., Maleck M., Carvalho dos Santos F. C., Serdeiro M. T., Guimaraes A. E., Ferreira B., Almeida A. P.
Journal of Natural Pharmaceuticals, vol.4, pp.32-36, 2013 (Peer-Reviewed Journal)

II. **Ammi visnaga growing in Turkey and vitiligo**

GÜNAYDIN K., Beyazit N.

JOURNAL OF COSMETIC DERMATOLOGY, vol.1, no.3, pp.156-157, 2002 (Scopus)

III. **The Preparation and Dehydration of 1-Benzylcyclocarbinols**

GÜNAYDIN K.

Bull. Tech. Univ. Istanbul, vol.35, pp.329-332, 1985 (Peer-Reviewed Journal)

IV. **The Photolysis of 1-Phenylcyclododecene-1 in Methanol**

GÜNAYDIN K.

Chimica Acta Turcica, vol.13, pp.529-542, 1985 (Peer-Reviewed Journal)

V. **Some Characteristic and Fatty Acid Compositions of Sheep Tail-Fats from Turkish Native Breeds**

GÜNAYDIN K.

Bull. Tech. Univ. Istanbul, vol.35, pp.325-328, 1985 (Peer-Reviewed Journal)

VI. **Investigation of Nut Oils of Almonds, Apricots and Peaches**

GÜNAYDIN K.

Doğa Bilim Dergisi:Muh./Çev., vol.6, pp.15-19, 1982 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Radiation induced degradation of DNA in Photodynamic therapy of cancer**
GÜNAYDIN K.
Studia Universitatis Babes Bolay, Physica, Special issue, Romania, pp.251
- II. **Spectroscopic study of some supramolecular aggregates porphyrins phthalocyanines and their implications in photomedicine**
GÜNAYDIN K.
Studia Universitatis Babes Bolay, Physica, Special issue, Romania, pp.321
- III. **Study of intensity and ionizing radiation type influence on some porphyrins with applications in cancer therapy.**
GÜNAYDIN K.
Studia Universitatis Babes Bolay, Physica, Special issue, Romania, pp.331
- IV. **Kıyma ve Lor Peyniri Paketlemesinde Kullanılan Umbelliferon Kaplanmış Materyallerin Antimikrobiyal Etkisi**
ÇİFTÇİOĞLU G. R., BAYRAKAL G. M., ÖZDEN Ö., GÜNAYDIN K.
37. Türk Mikrobiyoloji Kongresi, Antalya, Turkey, 16 - 20 November 2016, vol.1, no.1, pp.256

Other Publications

- I. **Palmiye yağı ve kanser gerçeği**
Ertan H., ARI Ş., GÜNAYDIN K., Karagöz A., TURGUT KARA N., Ay M., Tarhan Ç.
Technical Report, pp.6-7, 2017

Supported Projects

GÜNAYDIN K., TUBITAK Project, Bioaktive Turkish Plant Constituents, 2000 - 2002

Metrics

Publication: 30

Citation (WoS): 106

Citation (Scopus): 113

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

2. Kozmetik Kimyası, Üretimi ve Standardizasyonu kongresi, Attendee, Turkey, 2012
23rd International Congress on Heterocyclic Chemistry, Attendee, United Kingdom, 2011
Brazilian Symposium on Medicinal Chemistry, Attendee, Brazil, 2010
CosmodermIII and 5th International Cosmetic Symposium, Attendee, Turkey, 2003
3rd Mediterranean International Analytical Conference, Attendee, Turkey, 2002
Mustafa Kemal University International Organic chemistry meeting, Attendee, Turkey, 2002
V Simpozion International de P si Aromatizare roduse Cosmetice, Attendee, Romania, 2001
14th National Congress on EM with International Participation, Attendee, Turkey, 1999
Second International Scientific Conference, Attendee, Egypt, 1997
Second International Scientific Conference, Attendee, Egypt, 1997
Ulusal Kimya Simpozyumu, Attendee, Ankara, Turkey, 1986

III. Kimya ve Kimya Mühendisliği Simpozyumu, Attendee, Ankara, Turkey, 1986

IV Kimya ve Kimya Mühendisliği Simpozyumu, Attendee, Ankara, Turkey, 1986

V Kimya ve Kimya Mühendisliği Simpozyumu, Attendee, Ankara, Turkey, 1986

Ulusal Kimya Simpozyumu, Attendee, Ankara, Turkey, 1985

Ulusal Kimya Simpozyumu, Attendee, Erzurum, Turkey, 1984