

Prof. Nihal ONUL

Personal Information

Birthyear: 1970

Place of birth: Bakırköy

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Education Information

Doctorate, İstanbul Üniversitesi, Fen Bilimleri Ens. , Organik Kimya Prog., Turkey 1995 - 2000

Post Graduate, İstanbul Üniversitesi, Fen Bilimleri Ens. , Temel İşlemler Ve Termodinamik Prog., Turkey 1993 - 1995

Under Graduate, İstanbul Üniversitesi, Mühendislik, Kimya Mühendisliği, Turkey 1987 - 1992

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğitimde Etkileşim ve Katılım Güçlendirilmesi, İstanbul Üniversitesi, 2014

Education Management and Planning, Patent Eğitimi, TPE, 2014

Education Management and Planning, girişimcilik, TÜSSİDE, 2013

Education Management and Planning, Osmanlıca, MEB Hayat Boyu Öğrenme Genel Müd., 2013

Education Management and Planning, Pedagojik Formasyon Sertifikası, İstanbul Üniversitesi/HAYEF, 2002

Research Areas

Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Natural Sciences

Academic Titles / Tasks

Professor, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, 2018 - Continues

Associate Professor, İstanbul University, Kimya, 2012 - 2018

Professional Experience

Head of Department, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, 2020 - Continues

Deputy Head of Department, İstanbul Üniversitesi, Mühendislik, Kimya, 2014 - 2018

Courses

Uygulamalı Girişimcilik, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018
Endüstriyel Mikrobiyoloji, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018
Organik Kimyada Serbest Radikaller, Post Graduate, 2013 - 2014, 2014 - 2015, 2016 - 2017, 2017 - 2018
Organik Kimya Laboratuvar II, Under Graduate, 2017 - 2018
Bitki Kimyası, Under Graduate, 2017 - 2018
Endüstriyel Mikrobiyoloji, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018
organik Kimya I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Organik Kimya Lab. II, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016
Organik Kimya II, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016
Organik Kimyada Serbest Radikaller, Post Graduate, 2015 - 2016
Organik Kimya Lab.I, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
Uzmanlık Alan Dersi, Post Graduate, 2015 - 2016
Supramoleküler Kimya, Doctorate, 2015 - 2016
Biyolojik Aktiviteli Organik Moleküller ve Onların Uygulamaları, Post Graduate, 2015 - 2016
Supramoleküller, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016
Biyolojik Akt. Org. Bil. ve onların uyg., Post Graduate, 2014 - 2015
Uygulamalı Girişimcilik, Under Graduate, 2013 - 2014
Supramoleküler kimya, Doctorate, 2013 - 2014, 2014 - 2015
Organik Kimya I, Under Graduate, 2013 - 2014
Endüstriyel Mikrobiyoloji, Under Graduate, 2011 - 2012, 2012 - 2013
Organik Kimya II, Under Graduate, 2012 - 2013
Uzmanlık Alan Dersi, Post Graduate, 2012 - 2013
Organik Kimya Lab I, Under Graduate, 2013 - 2014
Biyolojik aktiviteli Organik Bileşikler ve Onların Uygulamaları, Post Graduate, 2013 - 2014
Organik Kimyada Serbest Radikaller, Post Graduate, 2007 - 2008, 2009 - 2010, 2010 - 2011, 2012 - 2013
Endüstriyel Mikrobiyoloji, Under Graduate, 2011 - 2012, 2012 - 2013
Organik Kimya Laboratuvarı II, Under Graduate, 2012 - 2013
organik kimya Lab. I, Under Graduate, 2012 - 2013
Organik Kimyada Serbest Radikaller, Post Graduate, 2008 - 2009
Genel Kimya, Under Graduate, 2003 - 2004, 2004 - 2005

Advising Theses

ONUL N., Halokinon Bileşiklerinden farklı Sübstitüenler İçeren halokinon Türevlerinin Sentezi, Post Graduate, E.Metin(Student), Continues
ONUL N., 2,3-Dikloro-1,4-Naftakinon Bileşiğinden farklı Sübstitüentler İçeren 1,4-Naftokinon Türevlerinin Sentezi, Post Graduate, H.Özdiç(Student), Continues
ONUL N., ALİL VE PİRİDİN TİYOLLERLE 2-NİTRODİENLERDEN S- VE N,S-SÜBSTİTÜE YENİ NİTRODİENLERİN SENTEZİ, Post Graduate, N.ŞENTÜRK(Student), 2016
ONUL N., Bazı S-, N,S-Sübstiüe Naftakinon Bileşiklerinin Sentezi, Post Graduate, B.Doğan(Student), 2010

Jury Memberships

Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, January, 2021
Post Graduate, Post Graduate, İstanbul Üniversitesi-Cerrahpaşa, January, 2021
Associate Professor Exam, Associate Professor Exam, Eskişehir Osmangazi Üniversitesi, November, 2020
Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, May, 2019

Doctoral Examination, Doktora Yeterlilik, İ.Ü.C. Lisansüstü Enstitüsü, January, 2019
Post Graduate, Yüksek Lisans Tezi, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, June, 2018
Post Graduate, Yüksek Lisans Tezi, İ.Ü. Fen Bilimleri Enstitüsü, March, 2018
Doctoral Examination, Doktora yeterlilik, İ.Ü. Fen Bilimleri Enstitüsü, January, 2018
Post Graduate, Tez savunma, Fen Bilimleri Enstitüsü, February, 2017
Doctoral Examination, Doktora Yeterlilik, Fen Bilimleri Enstitüsü, January, 2017
Doctorate, Tez savunma, Fen Bilimleri Enstitüsü, June, 2016
Competition, Bitirme tezi poster yarışması, Kimya Bölümü, June, 2016
Doctoral Examination, Doktora Yeterlilik, Fen Bilimleri Enstitüsü, June, 2016
Post Graduate, Yüksek Lisans tez savunma, İstanbul Üniversitesi, December, 2015
Post Graduate, Tez savunma, Fen Bilimleri Enstitüsü, December, 2015
Post Graduate, Tez savunma, Fen Bilimleri Enstitüsü, July, 2015
Doctoral Examination, Doktora Yeterlilik Sınavı, İstanbul Üniversitesi, Fen Bilimleri Ens., June, 2015
Doctoral Examination, Doktora Yeterlilik Sınavı, İstanbul Üniversitesi, Fen Bilimleri Ens., February, 2015
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., June, 2014
Post Graduate, Tez savunma Sınavı, İ.Ü. Fen Bilimleri Ens., June, 2014
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., June, 2014
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., April, 2014
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., April, 2014
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., April, 2014
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., November, 2013
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., October, 2013
Post Graduate, Yüksek Lisan Tez Savunma Sözlü Sınavı Jürisi, İ.Ü. Fen Bilimleri Ens., January, 2013
Post Graduate, Tez savunma jürisi, İ.Ü. Fen Bilimleri Ens., January, 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Sensitive detection of iron (II) sulfate with a novel reagent using spectrophotometry**
Ozkok F., Sahin Y. M., Atalay V. E., Asgarova K., Onul N., Catal T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.240, 2020 (Journal Indexed in SCI)
- II. **Synthesis and antioxidant, antixanthine oxidase, and antielastase activities of novel N,S-substituted polyhalogenated nitrobutadiene derivatives**
Onul N., Ertik O., Mermer N., Yanardag R.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, no.2, 2018 (Journal Indexed in SCI)
- III. **Synthesis and Biological Evaluation of S-Substituted Perhalo-2-nitrobuta-1,3-dienes as Novel Xanthine Oxidase, Tyrosinase, Elastase, and Neuraminidase Inhibitors**
Onul N., Ertik O., Mermer N., Yanardag R.
JOURNAL OF CHEMISTRY, 2018 (Journal Indexed in SCI)
- IV. **Synthesis and In Vitro Biological Evaluation of Aminonaphthoquinones and Benzo[b]phenazine-6,11-dione Derivatives as Potential Antibacterial and Antifungal Compounds**
Tuyun A. F., Bayrak N., Yildirim H., Onul N., Kara E. M., Celik B. O.
JOURNAL OF CHEMISTRY, 2015 (Journal Indexed in SCI)
- V. **Spectroscopic and structural aspects of the reactions of 1,4-quinones with sulfur and nitrogen nucleophiles**
Bayrak N., Tuyun A. F., Yildirim H., Onul N.
COMPTE RENDUS CHIMIE, vol.17, pp.563-569, 2014 (Journal Indexed in SCI)
- VI. **SYNTHESIS OF NOVEL THIOETHERS FROM POLYHALOBUTADIENES AND THIOLS**
Onul N., Brimo W. M. D., Ibis C.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.186, no.11, pp.2180-2188, 2011 (Journal Indexed in SCI)

Indexed in SCI)

- VII. **The new S- and N,S-substituted nitrodienes from bromochloro-2-nitrodien**
Ibis C., Onul N. Y.
REVUE ROUMAINE DE CHIMIE, vol.52, no.10, pp.953-957, 2007 (Journal Indexed in SCI)
- VIII. **New N,S-derivatives of nitrodienes from thioallyl- and thiodibromopropyl nitrodienes**
Ibis C., Onul N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.181, no.10, pp.2411-2417, 2006 (Journal Indexed in SCI)
- IX. **The novel N,S-substituted halonitrodienes from the reactions of thiosubstituted nitrodien with piperazine and morpholine**
Ibis C., Onul N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.180, no.12, pp.2787-2792, 2005 (Journal Indexed in SCI)
- X. **The novel macrocyclic and linear-chain thioethers from perchlorobutadiene and dithioles**
Ibis C., Yilmaz N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.179, no.12, pp.2543-2548, 2004 (Journal Indexed in SCI)
- XI. **Dibutadienyl piperazine, dibutadienyl homopiperazines and butadienyl-substituted piperidines from monosubstituted halodienes**
Ibis C., Yilmaz N., Ataseven H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.179, no.9, pp.1897-1906, 2004 (Journal Indexed in SCI)
- XII. **The Novel Macrocyclic- and Lineer Chain Thioether from Perchlorobutadiene and Dithioles**
ONUL N., İBİŞ C.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.179, pp.2543-2548, 2004 (Journal Indexed in SCI)
- XIII. **N,S-Substituted dienes from mono(arylthio)substituted- and S-, S,S-substituted dienes**
Ibis C., Gokmen Z., Bozkurt N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.177, no.12, pp.2907-2914, 2002 (Journal Indexed in SCI)
- XIV. **“ N,S-Substituted Dienes from mono(arylthio)substituted and S-, S,S-Substituted Dienes”**
İBİŞ C., GÖKMEN Z., ONUL N.
Phosphorus, Sulfur and Silicon,, vol.177, no.12, pp.2907-2914, 2002 (Journal Indexed in SCI)
- XV. **S-, S,S-, S,S,S- and N,S-substituted diene compounds and dibutadienylpiperazine compounds of 2-nitropentachlorobutadiene**
Ibis C., Bozkurt N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.177, no.3, pp.695-701, 2002 (Journal Indexed in SCI)
- XVI. **New N,S-substituted diene compounds from reactions of mono(arylthio)-substituted polyhalo-2-nitrodienes with amines**
Ibis C., Yilmaz N.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.159, pp.87-98, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Dataset on Catal's reagent: Sensitive detection of iron (II) sulfate using spectrophotometry**
ÖZKÖK F., ŞAHİN Y. M. , Atalay V. E. , Asgarova K., ONUL N., Catal T.
DATA IN BRIEF, vol.32, 2020 (Journal Indexed in ESCI)
- II. **The Novel N,S-Substituted Dienes From Ethyl(thio)- and Aryl(thio)-Substituted Dienes**

Refereed Congress / Symposium Publications in Proceedings

- I. **Antioxidant activities and alpha glucosidase inhibitor effects of novel 1,4-naphthoquinone derivatives.**
ERTİK O., ONUL N., YANARDAĞ R.
1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 4 - 06 October 2018, pp.153
- II. **Antioxidant Activity of N,S-Substitued Perhalogenated Nitrobutadiens**
BAYRAK B. B. , ONUL N., ŞENTÜRK MERMER N., YANARDAĞ R.
1st INTERNATIONAL BALKAN CHEMISTRY CONGRESS, Edirne, Turkey, 17 - 20 September 2018, pp.1
- III. **Synthesis and Biological Activities of N,S-Substitued Perhalogenated Nitrobutadienes**
ONUL N., BAYRAK B. B. , MERMER N., YANARDAĞ R.
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.67
- IV. **31. Synthesis, characterization and biological activities of N,S-substitued polyhalogenated nitrobutadiene derivatives.**
Onul N., Ertik O., Mermer N., YANARDAĞ R.
International Workshop on Applications of NMR in Phramaceutics, Phytotherapeutics and Medicine,, İstanbul, Turkey, 15 - 17 November 2017, vol.pp 10, pp.37
- V. **Antineuraminidase and antixanthine oxidase activities of some S-substitued perhalonitrobuta-1,3-dienes.**
ERTİK O., ONUL N., SENTURK MERMER N., YANARDAĞ R.
IVEK, 3rd International Convention of Pharmaceutical and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, no.102, pp.252
- VI. **Nitrobuta-1,3-dien Bileşiğinden Tiyo ve Amino Grupları İçeren Yeni Bileşiklerin Sentezi**
ONUL N., ŞENTÜRK MERMER N.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, pp.60
- VII. **1,4-Naftokinon Bileşiğinin N- ve S-Süstitüe Türevleri**
ONUL N., Özdiç H.
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, pp.61
- VIII. **Aliltiyo Grupları İçeren Yeni N,S-Süstitüe Polihalobutadien Bileşiklerinin Sentezi ve Karakterizasyonu**
ONUL N., ŞENTÜRK MERMER N.
3. İlaç Kimyası, İlaç Etkin Tasarım, Sentezi, Üretimi ve Standartizasyonu Kongresi, Antalya, Turkey, 20 - 22 March 2015
- IX. **Synthesis and Characterization of 1,4-Naphthoquinone Derivatives**
TUYUN A. F. , BAYRAK N., YILDIRIM H., ONUL N.
Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with international participation, Sarajevo, Bosnia And Herzegovina, 10 - 12 October 2014, vol.PP-OMC-12, pp.114
- X. **The Investigation of Naphthoquinones with N- and S- Nucleophiles**
ONUL N., BAYRAK N.
Nihal Onul, NILUFER 3rd International Conference of Young Scientists – Chemistry Today 2013, Tbilisi, Georgia, 17 - 19 May 2013, pp.118
- XI. **New Heterocyclic Compounds Based on Polyhalogenated Nitrodienes**
BAYRAK N., ONUL N.
NILUFER BAYRAK, Nihal Onul, “New H 3rd International Conference of Young Scientists – Chemistry Today 2013,

Supported Projects

ONUL N., VAGIFLI F., Project Supported by Higher Education Institutions, 1-Kloroantrakinin Bileşiminden Amino ve Tiyo Grup içeren Antrakinin Türevlerinin Sentezi ve Karakterizasyonu, 2021 - Continues

ONUL N., Özdiç H., Project Supported by Higher Education Institutions, 2,3-Dikloro-1,4-Naftokinon Bileşiminden Farklı Sübstituentler İçeren 1,4-Naftokinon Türevlerinin Sentezi, 2014 - 2019

ONUL N., ŞENTÜRK MERMER N., Project Supported by Higher Education Institutions, Alil ve Piridin Tiyollerle 2-Nitrodienlerden S- ve N,S-Süstitüe Yeni Nitrodienlerin Sentezi, 2012 - 2016

ONUL N., Project Supported by Higher Education Institutions, Elektron Çeken Grup İçeren Polihalodienlerin Reaksiyonlarının İncelenmesi, 2013 - 2015

ONUL N., Project Supported by Higher Education Institutions, The Synthesis Of Novel Thioethers From Polyhalobutadienes And Thiols, 2012 - 2015

Patent

Onul N., ÖZKÖK F., KANSER HÜCRELERİNİ BASKILAYICI ÖZGÜN KURKUMİN ANALOĞU, Patent, CHAPTER A Human Needs, Initial Registration, 2020

Özkök F., Onul N., A NOVEL REAGENT, CATAL'S REAGENT, AND KIT FOR USING IRON SULPHATE DETERMINATION BY COLORIMETRIC METHOD, Patent, CHAPTER C Chemistry; Metallurgy, Initial Registration, 2020

Özkök F., Onul N., KOLORİMETRİK YÖNTEMLE DEMİR SÜLFAT TAYİNİNDE KULLANILMAK ÜZERE YENİ BİR REAKTİF VE KİT, Patent, CHAPTER C Chemistry; Metallurgy, Initial Registration, 2019

Activities in Scientific Journals

Chimica Acta Turcica, Assistant Editor, 2008 - Continues

Chimica Acta Turcica, Publication Committee Member, 2003 - 2008

Memberships / Tasks in Scientific Organizations

Türk Kimya Derneği, Member, 2011 - Continues

Kimya Mühendisleri Odası, Member, 1994 - Continues

Scientific Refereeing

TURKISH JOURNAL OF CHEMISTRY, SCI Journal, September 2018

Project Supported by Higher Education Institutions, June 2017

NH- ve S- substitüe 1,4-kinonların Sentezi ve Karakterizasyonu, Other Journals, May 2017

YENİ NAFTAKİNON BİLEŞİKLERİ VE BİYOLOJİK AKTİVİTE ÇALIŞMALARI, Other Journals, May 2017

(Tiyo-substitüe)-1-buten-3-in ve -buta-1,3-dien'lerin Sentezi , Other Journals, May 2017

Project Supported by Higher Education Institutions, April 2017

Chiang Mai Journal of Science, SCI Journal, January 2017

Chemistry Letters, SCI Journal, February 2014

Phosphorus, Sulfur, and Silicon and the Related Elements, SCI Journal, February 2013

Bioorganic & Medicinal Chemistry, SCI Journal, December 2012

Scientific Consultations

Dünya Teknoloji, İnovasyon ve Girişimcilik Konferansı, Scientific Consultancy, Istanbul University, Mühendislik, Kimya, Turkey, 2015 - 2015

Edit Congress and Symposium Activities

3. İlaç Kimyası, İlaç Etkin Tasarım, Sentezi, Üretimi ve Standartizasyonu Kongresi, Attendee, Antalya, Turkey, 2015
Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with international participation, Attendee, Sarajevo, Bosnia And Herzegovina, 2014
3rd International Conference of Young Scientists, Attendee, Tbilisi, Georgia, 2013
XXVI. Ulusal Kimya Kongresi, Attendee, muğla, Turkey, 2012
7sh Eurasian Meeting on Heterocyclic Chemistry, Attendee, İstanbul, Turkey, 2012
21st International symposium on the organic chemistry of Sulfur, Attendee, Madrid, Spain, 2004
XVII. Ulusal Kimya Kongresi, Attendee, İstanbul, Turkey, 2003
XVI. Ulusal Kimya Kongresi, Attendee, Konya, Turkey, 2002
Kjell Undheim Symposium in organic Chemistry, Attendee, Oslo, Norway, 2001
XV. Ulusal Kimya Kongresi, Attendee, İstanbul, Turkey, 2001
17th International Congress of Heterocyclic Chemistry, Attendee, Viyana, Austria, 1999
XII. Ulusal Kimya Kongresi, Attendee, Edirne, Turkey, 1998
XI. Ulusal Kimya Kongresi, Attendee, Van, Turkey, 1997

Citations

Total Citations (WOS):92

h-index (WOS):6