

Asst. Prof. NURCAN BERBER

Personal Information

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Education Information

Doctorate, Sakarya University, Fen Bilimleri Enstitüsü, Organik Kimya, Kimya Anabilim Dalı , Turkey 2007 - 2013

Postgraduate, Sakarya University, Fen Bilimleri Enstitüsü, Organik Kimya, Kimya Anabilim Dalı , Turkey 2005 - 2007

Undergraduate, Sakarya University, Fen Edebiyat Fakültesi, Kimya Bölümü , Turkey 2001 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fitalazin Sübstitüe Üre (Tiyöüre) ve β -laktam Türevlerinin Sentezi, Sakarya University, Fen Bilimleri Enstitüsü, , Kimya Anabilim Dalı , 2013

Postgraduate, Dihidropiridin ve 3,4-Dihidropirimidin-2-on Bileşiklerinin Sentezi Ve Yüktransfer Komplekslerinin İncelenmesi., Sakarya University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı , 2007

Research Areas

Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Chemistry of Heterocyclic Compounds, Organic Reaction Mechanisms, Organic Spectroscopy, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Eczane Hizmetleri, 2021 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Ezine Meslek Yüksekokulu, Gıda İşleme, 2016 - 2021

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Eczane Hizmetleri, 2020 - Continues

Assistant Director of Vocational School, Canakkale Onsekiz Mart University, Ezine Meslek Yüksekokulu, Gıda İşleme, 2017 - 2019

Courses

Yeni Ürün Geliştirme, Associate Degree, 2018 - 2019
Kalite Yönetim Sistemleri ve Standartları , Associate Degree, 2017 - 2018
Araştırma Yöntem ve Teknikleri, Associate Degree, 2017 - 2018
Yağ Analizleri, Associate Degree, 2017 - 2018
Gıda Katkı Maddeleri ve Toksikoloji, Associate Degree, 2017 - 2018
Su Analizi, Associate Degree, 2017 - 2018

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

- I. **Synthesis of new series of thiazol-(2(3H)-ylideneamino)benzenesulfonamide derivatives as carbonic anhydrase inhibitors**
BERBER N., ARSLAN M., Vural F., ERGÜN A., GENÇER N., ARSLAN O.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, 2020 (Journal Indexed in SCI)
- II. **Synthesis, crystal structure, spectroscopic (FT-IR, H-1 and C-13 NMR) and nonlinear optical properties of a novel potential HIV-1 protease inhibitor**
Pekparlak A., Tamer O., Kanmazalp S. D. , Berber N., Arslan M., Avci D., Dege N., TARCAN E., Atalay Y.
CHEMICAL PHYSICS LETTERS, vol.742, 2020 (Journal Indexed in SCI)
- III. **MULTI-COMPONENT PREPARATION OF INDENO[2',1':5,6]PYRIDO[2,3-d]PYRIMIDINE AND REDUCTION REACTION**
BERBER N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.1, pp.509-513, 2020 (Journal Indexed in SCI)
- IV. **INDUSTRIAL TRIAL TO PRODUCE OF ENVIRONMENTALLY FRIENDLY INSULATION MATERIAL WITH INORGANIC RESIN**
BERBER N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.1, pp.332-338, 2020 (Journal Indexed in SCI)
- V. **Crystal structure, spectroscopic (FT-IR, H-1 and C-13 NMR) characterization and density functional theory calculations on Ethyl 2-(dichloromethyl)-4-methyl-1-phenyl-6-thioxo-1,6-dihydropyrimidine-5-carboxylate**
Pekparlak A., Tamer O., Kanmazalp S. D. , BERBER N., Arslan M., Avci D., Dege N., TARCAN E., Atalay Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1171, pp.762-770, 2018 (Journal Indexed in SCI)
- VI. **Synthesis and evaluation of new phthalazine substituted beta-lactam derivatives as carbonic anhydrase inhibitors**
Berber N., Arslan M., Bilen C., Sackes Z., Gencer N., Arslan O.
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.41, no.4, pp.414-420, 2015 (Journal Indexed in SCI)
- VII. **Synthesis and Evaluation of New Phthalazine Urea and Thiourea Derivatives as Carbonic Anhydrase Inhibitors**
Berber N., Arslan M., Yavuz E., Bilen C., Gencer N.
JOURNAL OF CHEMISTRY, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Preparation and Characterization of Some Schiff Base Compounds**
BERBER N., ARSLAN M.
Adiyaman Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.179-188, 2020 (Other Refereed National Journals)
- II. **Synthesis of Certain New Morpholine Derivatives Bearing a Thiazole Moiety**
BERBER N.
Sakarya University Journal Of Science, vol.23, no.4, pp.554-558, 2019 (Other Refereed National Journals)

- III. **Genoprotective Potential of Total Anthocyanin Extracted from Prunus avium**
BERBER A. A. , SÖNMEZ F., BERBER N., DEMİR T., MERVE AYŞE d., BETÜL a., AKSOY H.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.6, pp.1201-1209, 2017 (Other Refereed National Journals)
- IV. **Kinesin-5 İnhibitörü Olan Monastrol Bileşiğinin Sentezi ve Yüktransferi Kompleks Etkileşmelerinin İncelenmesi**
BERBER N., ARSLAN M.
SAÜ Fen Bilimleri Enstitüsü Dergisi, vol.20, no.3, pp.425-431, 2016 (Other Refereed National Journals)

Books & Book Chapters

- I. **Antibiotic-Resistance Mechanisms in Bacteria and Newly Antibiotic Developments**
BERBER N.
in: New Horizons in Health Sciences, Atilla Atik, Levent Albayrak, Emre Gökçen, Özgür Açıkgoz, Editor, Gece Kitaplığı, pp.177-196, 2019
- II. **Pharmacological Activities of Pyrimidine Derivative Drugs**
BERBER N.
in: New Horizons in Science and Mathematics, Abdurrahman Günday, Hüsniye Aka Sağlıkler, Atilla Atik, Editor, Gece Kitaplığı, pp.97-110, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis And Spectroscopic Analysis Of Isoquinoline -Contained Thiourea Derivatives**
BERBER N.
10. Uluslararası Bilimsel Araştırmaları Kongresi'nde (UBAK), Turkey, 12 April 2021
- II. **Design and Synthesis of New 1,3-indandione Derivatives**
BERBER N.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 16 - 18 December 2020
- III. **Synthesis and characterization of pyrido [2,3-d]pyrimidine derivatives**
BERBER N.
3. International Conference on Awareness, 5 - 07 December 2019
- IV. **Synthesis and Characterization of Dihydropyrimidin Derivative**
BERBER N., ARSLAN M.
5th European Conference on Science, Art Culture, 28 - 29 September 2019
- V. **Synthesis and Characterization of Carbazole Derivatives**
BERBER N.
5th European Conference on Science, Art Culture, 28 - 29 September 2019
- VI. **Invisible danger Nanoplastics**
BERBER A. A. , BERBER N.
1st International Symposium on Biodiversity Research, Çanakkale, Turkey, 2 - 04 May 2019
- VII. **Synthesis and Evaluation of New Phthalazine Thiourea Derivatives as Carbonic Anhydrase Inhibitors**
BERBER N., ARSLAN M., GENÇER N.
8. ICOSRESSE, Vienna, Austria, 11 - 13 May 2018, pp.142
- VIII. **Design and Synthesis of New Thiazole Substituted Morpholine Derivatives.**
BERBER N., ARSLAN M.
8. ICOSRESSE, Vienna, Austria, 11 - 13 May 2018, pp.143
- IX. **Karbonik Anhidraz İnhibitörü Olan ve Fitalazin İçerikli Yeni Sentezlenen β -LaktamTürevinin Genotoksitesinin in vitro Mikronukleus Testi ile Belirlenmesi**

BETÜL a., BERBER A. A. , BERBER N., Şen S., MERVE AYŞE d., AKSOY H.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018

- X. **Acut toxicologic effect of polyethylene microsphere on Brachionus plicatilis.**
BERBER A. A. , YURTSEVER M., Kırkan E. Ö. , BERBER N., AKSOY H.
XIII. Congress of Ecology and Environment with International Participation., Edirne, Turkey, 12 - 15 September 2017, pp.504
- XI. **Acut Toxicologic Effect of Polyethylene Microsphere on Brachionus plicatilis**
BERBER A. A. , YURTSEVER M., Kırkan E. Ö. , BERBER N., AKSOY H.
XIII. Congress of Ecology and Environment with International Participation-UKECEK 2017, 12 - 15 September 2017
- XII. **Genotoxic Effect of Polystyrene Microsphere on Neocaridina sp.(Decapoda: Caridea)**
BERBER A. A. , YURTSEVER M., KIRKAN E. Ö. , BERBER N., AKSOY H.
XIII. Congress of Ecology and Environment with International Participation-UKECEK 2017, 12 - 15 September 2017
- XIII. **Antioxidant Activities Of Total Anthocyanins Extracted From Sweet Cherry Cultivars**
SÖNMEZ F., GÜNEŞLİ Z., BERBER A. A. , BERBER N., DEMİR T.
3rd International Conference on Engineering and Natural Sciences, Budapest, Hungary, 3 - 09 May 2017
- XIV. **New Phthalazine Urea as Carbonic Anhydrase Inhibitors**
BERBER N., BERBER A. A. , GENÇER N., ARSLAN M.
ICENS 2017, 3 - 07 May 2017
- XV. **Effects of antochyanins extracted from Prunus avium on DNA damage**
BERBER A. A. , BERBER N., MERVE AYŞE d., DEMİR T., SÖNMEZ F., AKSOY H.
3rd International Conference on Engineering and Natural Sciences, Budapest, Hungary, 3 - 07 May 2017
- XVI. **DNA Damage Evaluation of Polyethylene Microspheres in Daphnia Magna**
BERBER A. A. , Kırkan E. Ö. , YURTSEVER M., BERBER N., AKSOY H.
MICRO 2016, International Conference Fate and Impact of Microplastic in Marine Ecosystem, 25 - 27 May 2016
- XVII. **New Lactam Derivatives as Carbonic Anhydrase Inhibitors**
Saçkes Z., BERBER N., ARSLAN M., Bilen Ç., GENÇER N., ARSLAN O.
International Multidisciplinary Symposium on Drug Research and Development-DRD2015, 15 - 17 October 2015
- XVIII. **Antigenotoxic Effects of Sweet Cherry (Prunus avium) Extract in Human Peripheral Lymphocytes in vitro**
BERBER A. A. , SÖNMEZ F., DEMİR T., BERBER N., Güzel N., Aygün b., AKSOY H.
The International Conference On Science, Ecology And Technology I(Iconsete'2015 – Vienna), 25 - 28 August 2015
- XIX. **Assessment of Genotoxic and Antigenotoxic Effects of Prunus Avium Extract**
BERBER A. A. , SÖNMEZ F., DEMİR T., BERBER N., GÜZEL N., BETÜL a., AKSOY H.
14th International Nutrition Diagnostics Conference, Prag, Czech Republic, 2 - 05 September 2014
- XX. **In Vitro Genotoxicity Evaluation of Newly Synthesized Phthalazine Substituted Thiourea Derivative as hCA I and hCA II Inhibitors**
BERBER N., BERBER A. A. , AKSOY H., ARSLAN M.
6th Medication Safety Conference 2013, 22 - 24 November 2013
- XXI. **Radical Oxidation of 9-benzylidene-9-H fluorene derivatives with 1,3-diketones in the presence of Mn(OAc)3 and CAN**
BERBER N.
International Conference of Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.1
- XXII. **Substitüe Antrasenlerin Seryum Amonyum Nitrat İle Yükseltgenmesi**
DEMİRHAN H., BERBER N., NEBİOĞLU M., ZENGİN M., ARSLAN M.
XX. Ulusal Kimya Kongresi, 4 - 08 September 2006

Supported Projects

BERBER A. A. , UYSAL İ., BERBER N., Project Supported by Higher Education Institutions, Saxagliptinin Sitotoksik ve Genotoksik Etkilerinin Değerlendirilmesi, 2020 - Continues

BERBER N., Project Supported by Higher Education Institutions, Monokloroasetik Asit Kloroasetonitril ve Dietil Oksalat Reaktifleri Varlığında Heteroaromatik Grup Substitüe Tiyazol Bileşiklerin Sentezi, 2020 - Continues

BERBER N., BERBER A. A. , Project Supported by Higher Education Institutions, Tiyazol İçerikli Heterosiklik Bileşiklerin Sentezi ve Yapılarının Aydınlatılması, 2020 - Continues

Berber N., Akıncı Kenanoğlu N., Berber A. A. , Uysal İ., Aksoy H., Şahutoğlu A. S. , Project Supported by Higher Education Institutions, Yeni Sülfonamid Türevi İlaç Etken Maddelerin Sentezi ve Sitotoksik, Genotoksik Aktivitesinin Değerlendirilmesi, 2021 - 2022

Berber N., Öge Ç., Baruk Bulut G., Katra H., Erenoğlu R. C. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Ezine Yöresinde Süt ve Ürünleri Alanında İş Gücü Niteliğinin Arttırılmasına Yönelik Yenilikçi Mesleki Eğitimlerin Verilmesi, 2018 - 2019

Berber N., TUBITAK Project, Fenol-Formaldehit İçermeyen Yeni Nesil, Çevre Dostu Taşyünü Yalıtım Malzemesinin Geliştirilmesi, 2015 - 2016

TUBITAK Project, Synthesis of Amino Conduritol Derivatives." TÜBİTAK, 2008., 2007 - 2008

Scientific Refereeing

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, January 2021

JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, November 2020

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, August 2018

Citations

Total Citations (WOS):29

h-index (WOS):3