Assoc. Prof. NURCAN BERBER

Personal Information

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International Researcher IDs
ORCID: 0000-0002-1595-585X
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Education Information

Doctorate, Sakarya University, Institute Of Scıence, Organik Kimya, Kimya Anabilim Dalı , Turkey 2007 - 2013
Postgraduate, Sakarya University, Institute Of Scıence, 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 (Tiyoüre) ve ß-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

Associate Professor, Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Eczane Hizmetleri, 2023 - Continues
Assistant Professor, Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Eczane Hizmetleri, 2021 - 2023
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

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Synthesis, Characterization, Carbonic Anhydrase Inhibitor Activity, and Docking Studies of phenylthiazol-2 (3h)-ylidene-isoquinoline-5-amine Derivatives**
Berber N., Şahutoğlu A. S., Gökçe B., Çıkrıkçı K., Gençer N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1291, no.2023, pp.1-11, 2023 (SCI-Expanded)

II. **Genotoxicity evaluation of a new phthalazine substituted beta-lactam derivative in human lymphocytes**
Aygun B., BERBER A. A., DOĞANCI M. A., BERBER N., Sen S., Yildiz E., AKSOY H.
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.94, no.1, 2022 (SCI-Expanded)

III. **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, vol.34, no.12, 2020 (SCI-Expanded)

IV. **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 (SCI-Expanded)

V. **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 (SCI-Expanded)

VI. **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 (SCI-Expanded)

VII. **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 (SCI-Expanded)

VIII. **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 (SCI-Expanded)

IX. **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 (SCI-Expanded)

X. **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 (SCI-Expanded)

Articles Published in Other Journals

I. **Synthesis and Characterization of Thiazole Compounds in the Presence of Various Reagents, Catalysts and Solvents**
BERBER N.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.26, no.4, pp.757-767, 2022 (Peer-Reviewed Journal)

II. **Evaluation of Cytotoxic and Genotoxic Effects of Saxagliptin**
BERBER A. A., BERBER N., UYSAL İ., AKINCI KENANOĞLU N.
International Journal Of Advanced Research, vol.10, no.6, pp.216-222, 2022 (Scopus)

III. **Preparation and Characterization of Some Schiff Base Compounds**
BERBER N., ARSLAN M.
Adıyaman Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.179-188, 2020 (Peer-Reviewed Journal)

IV. **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 (Peer-Reviewed Journal)

V. **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 (Peer-Reviewed Journal)

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 Açıkgöz, 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 Sağlıker, Atilla Atik, Editor, Gece Kitaplığı, pp.97-110, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **Synthesis of Thiazole Containing Isoquinoline Derivatives**
Berber N.
5th Organic Chemistry Congress(OrgChem Tr-5), Malatya, Turkey, 14 - 17 October 2021, pp.53

II. **Synthesis And Spectroscopic Analysis Of Isoquinoline -Contained Thiourea Derivatives**
BERBER N.
10. Uluslararası Bilimsel Araştırmaları Kongresi'nde (UBAK), Turkey, 12 April 2021

III. **Design and Synthesis of New 1,3-indandione Derivatives**

BERBER N.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 16 - 18 December 2020

IV. **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 Congress, United Arab Emirates, pp.1

V. **Synthesis and characterization of pyrido [2,3-d]pyrimidine derivatives**
BERBER N.
3. International Conference on Awareness, 5 - 07 December 2019

VI. **Synthesisand Characterization of Dihydropyrimidin Derivative**
BERBER N., ARSLAN M.
5th European Conference on Science, Art Culture, 28 - 29 September 2019

VII. **Synthesis and Characterization of Carbazole Derivatives**
BERBER N.
5th European Conference on Science, Art Culture, 28 - 29 September 2019

VIII. **Invisible danger Nanoplastics**
BERBER A. A., BERBER N.
1st International Symposium on Biodiversity Research, Çanakkale, Turkey, 2 - 04 May 2019

IX. **Development of Environmentally Friendly Insulation Material**
BERBER N., BERBER A. A.
1st International Symposium on Biodiversity Research, 2 - 04 May 2019

X. **Synthesis and Evaluation of New Phthalazine Thioürea Derivatives as Carbonic Anhydrase Inhibitors**
BERBER N., ARSLAN M., GENÇER N.
8. ICOSRESSE, Vienna, Austria, 11 - 13 May 2018, pp.142

XI. **Design and Synthesis of New Thiazole Substituted Morpholine Derivatives.**
BERBER N., ARSLAN M.
8. ICOSRESSE, Vienna, Austria, 11 - 13 May 2018, pp.143

XII. **Karbonik Anhidraz İnhibitörü Olan ve Fitalazin İçerikli Yeni Sentezlenen β-LaktamTürevinin Genotoksisitesinin in vitro Mikronukleus Testi ile Belirlenmesi**
BETÜL a., BERBER A. A., BERBER N., Şen S., MERVE AYŞE d., AKSOY H.
International Eurasian Conference onBiological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018

XIII. **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

XIV. **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

XV. **Genotoxic Effect of Polystrene 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

XVI. **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

XVII. **New Phthalazine Urea as Carbonic Anhydrase Inhibitors**
BERBER N., BERBER A. A., GENÇER N., ARSLAN M.
ICENS 2017, 3 - 07 May 2017

XVIII. **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

XIX. **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

XX. **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

XXI. **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

XXII. **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

XXIII. **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

XXIV. **Radicalic Oxidation of 9-benzylidene-9-H fluorene derivatives with 1,3-diketones in the presence of Mn(OAc)3 and CAN**
BERBER N.
International Conferance of Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.1

XXV. **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 N., Project Supported by Higher Education Institutions, İzoksazol Türevi Bileşiklerin Tasarımı ve Sentezi, 2022 - Continues

Berber N., Akıncı Kenanoğlu N., Berber A. A., Uysal İ., Aksoy H., Şahutoğlu A. S., Project Supported by Higher Education Institutions, Yeni Sülfonamit Türevi İlaç Etken Maddelerin Sentezi ve Sitotoksik, Genotoksik Aktivitesinin Değerlendirilmesi, 2021 - 2023

BERBER A. A., UYSAL İ., BERBER N., Project Supported by Higher Education Institutions, Saxagliptinin Sitotoksik ve Genotoksik Etkilerinin Değerlendirilmesi, 2020 - 2022

BERBER N., Project Supported by Higher Education Institutions, Monokloroasetik Asit Kloroasetonitril ve Dietil Oksalat Reaktifleri Varlığında Heteroaromatik Grup Substitüe Tiyazol Bileşiklerin Sentezi, 2020 - 2022

BERBER N., BERBER A. A., Project Supported by Higher Education Institutions, Tiyazol İçerikli Heterosiklik Bileşiklerin Sentezi ve Yapılarının Aydınlatılması, 2020 - 2022

Berber N., Öğe Ç., Baruk Bulut G., Katra H., Erenoğlu R. C., İpek D., 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

Berber N., Arslan M., Project Supported by Higher Education Institutions, Heteroaromatik Grup Sübstitüeß-lactam Türevlerinin Sentezi, 2011 - 2013

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

Activities in Scientific Journals

Environmental Toxicology and Ecology, Scientific Committee Membership, 2021 - Continues

Scientific Refereeing

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, December 2023
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, October 2023
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, July 2023
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, July 2023
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, March 2023
JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, February 2023
JOURNAL OF MOLECULAR STRUCTURE, Journal Indexed in SCI-E, March 2022
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, April 2021
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

Metrics

Publication: 46
Citation (WoS): 39
Citation (Scopus): 153
H-Index (WoS): 4
H-Index (Scopus): 6

Congress and Symposium Activities

10. Uluslararası Bilimsel Araştırmalar KongresiKongresi'n in (ikinci, Session Moderator, Ankara, Turkey, 2021
BioTechBioChem, Session Moderator, Ankara, Turkey, 2020
XIII. Congress of Ecology and Environment with International Participation, Session Moderator, Edirne, Turkey, 2017

Non Academic Experience

ERYAP Grup Yapı Malzemeleri San. ve Tic. A.Ş.
Company, Taşyünü Üretim Firması, Kalite Birimi
Company, İlaç Üretim Firması, Ar-Ge
Toprak İlaç ve Kim. Mad. San. ve Tic. A.Ş.