

Assoc. Prof. NURCAN BERBER

Personal Information

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International Researcher IDs

ORCID: 0000-0002-1595-585X

ScopusID: 55868623000

Yoksis Researcher ID: 259525

Education Information

Doctorate, Sakarya University, Institute Of Science, Organik Kimya, Kimya Anabilim Dalı , Turkey 2007 - 2013

Postgraduate, Sakarya University, Institute Of Science, 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 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

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., Gökcə B., Çikrikçi 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**
Aygün B., BERBER A. A., DOĞANCI M. A., BERBER N., Sen S., Yıldız 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.

Adiyaman 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 Bileşinin 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, Hüsnüye 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. **Synthesis and 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 İnhibitorü Olan ve Fitalazin İçerikli Yeni Sentezlenen β -Laktam Türevinin 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
- XIII. **Acut toxicologic effect of polyethylene microsphere on Brachionus plicatilis.**
BERBER A. A., YURTSEVER M., KIRKAN 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., KIRKAN 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., Kirkan 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 Conference of Organic Chemistry, Erzurum, Turkey, 5 - 09 June 2007, pp.1
- XXV. Substitue 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 Sulfonamit 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 Substitue 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., Öge 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 Taşıyünü Yalıtım Malzemesinin Geliştirilmesi, 2015 - 2016
- Berber N., Arslan M., Project Supported by Higher Education Institutions, Heteroaromatik Grup Sübstitue-lactam Türevlerinin Sentezi, 2011 - 2013
- TUBITAK Project, Synthesis of Amino Conduritol Derivatives." TÜBİTAK, 2008, 2007 - 2008

Activities in Scientific Journals

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): 38

Citation (Scopus): 153

H-Index (WoS): 4

H-Index (Scopus): 6

Congress and Symposium Activities

10. Uluslararası Bilimsel Araştırmalar Kongresi Kongresi'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.