

Asst. Prof. Sefa UÇAR



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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2015
- 2022

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey
2013 - 2015

Undergraduate, Ataturk University, Fen Fakültesi, Kimya, Turkey 2009 - 2013

Biography

Sefa Uçar was born in Erzurum, Turkey in 1990 and obtained his B.Sc. and M.Sc. degree from the Department of Chemistry at Atatürk University in 2013 and 2015, respectively. In May 2018, he was appointed as Research assistant at Atatürk University. He obtained his Ph.D. under the supervision of Professor Arif Daştan at same University at september 2022.

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Occupational Health and Safety, C sınıfı iş güvenliği sertifikası, Atatürk üniversitesi, 2014

Dissertations

Doctorate, DİAZANAFTALİNLERDE C-H FONKSİYONİLİZASYONU, Ataturk University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2022

Postgraduate, Diazanaftalinlerin İndirgenmesi ve Brominasyonu, Atatürk Üniversitesi, Fen Bilimleri, Kimya / Organik

Research Areas

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

Academic and Administrative Experience

Rectorate Commissioner, Ataturk University, Fen Fakültesi, Kimya, 2022 - Continues

Rectorate Commissioner, Ataturk University, Fen Fakültesi, Kimya, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dendritic Molecular Baskets for Selective Binding of Toxic Methotrexate**
Kumar N., Finnegan T. J., Taneja S., Rostam D. C., Hansen A. L., Ward C. E., UÇAR S., Parquette J. R., Badjić J. D.
Angewandte Chemie - International Edition, vol.64, no.9, 2025 (SCI-Expanded)
- II. **Biodegradation of Benzophenone-3 in Non-Sterile Culture Process Using *Klebsiella huaxiensis* W2**
ÖMEROĞLU M. A., BAKAN B., BALTACI M. Ö., Arslan N. P., UÇAR S., Elmas S., ADIGÜZEL A., TAŞKIN M.
WATER AIR AND SOIL POLLUTION, vol.236, no.2, 2025 (SCI-Expanded)
- III. **Deoxygenation of N-heterocyclic N-oxides with Selectfluor and disulfane**
Celikoglu M. H., UÇAR S., NİŞANCI B.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.61, no.7, pp.1029-1034, 2024 (SCI-Expanded)
- IV. **Molecular bowls for inclusion complexation of toxic anticancer drug methotrexate**
Karmakar P., Finnegan T. J., Rostam D. C., Taneja S., Ucar S., Hansen A. L., Moore C. E., Hadad C. M., Pratumyot K., Parquette J. R., et al.
CHEMICAL SCIENCE, vol.15, no.26, pp.10155-10163, 2024 (SCI-Expanded)
- V. **Transition-Metal-Free Synthesis of 4-Alkynylquinazolines**
UÇAR S., DAŞTAN A.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2022, no.13, 2022 (SCI-Expanded)
- VI. **Recent Advances in the Transition-Metal-Free Arylation of Hetero-arenes**
UÇAR S., DAŞTAN A.
SYNTHESIS-STUTTGART, vol.53, no.23, pp.4353-4374, 2021 (SCI-Expanded)
- VII. **Transition Metal-Free Heteroarylation of Quinoxaline: Construction of Heteroaryl-Fused Phenazines by Oxidative Coupling**
UÇAR S., DAŞTAN A.
Journal of Organic Chemistry, vol.85, no.23, pp.15502-15513, 2020 (SCI-Expanded)
- VIII. **One-pot homo- and cross-coupling of diazanaphthalenes via C-H substitution: Synthesis of Bis- and Tris-diazanaphthalenes**
UÇAR S., DAŞTAN A.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.11, pp.4013-4022, 2020 (SCI-Expanded)
- IX. **Bromination of quinoxaline and derivatives: Effective synthesis of some new brominated quinoxalines**
UCAR S., Essiz S., DAŞTAN A.
TETRAHEDRON, vol.73, no.12, pp.1618-1632, 2017 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

I. Reduction and Bromination of the Phenazine

BUDAK S., UÇAR S., DAŞTAN A.

OrgChemTR4, 4 - 07 October 2018

II. One-pot Synthesis of Diazanaphthalene Dimers via C-H Substitution

UÇAR S., DAŞTAN A.

(OrgChemTR-4), Antalya, Turkey, 4 - 07 October 2018, pp.201-203

III. Effective Synthesis of New Brominated Symmetrical Naphthyridines

EŞSİZ S., UÇAR S., DALKILIÇ E., DAŞTAN A.

OrgChemTR4, 4 - 07 October 2018

IV. Bromination of the Dibenzosuberone

BUDAK G., KOCAK R., UÇAR S., DAŞTAN A.

OrgChem-TR, Antalya, Turkey, 4 - 07 October 2018, pp.149-150

V. NEW AND EFFICIENT SYNTHESIS OF BROMINATED DIAZANAPHTHALENE DERIVATIVES: KEY COMPOUNDS FOR STRONGLY BIOLOGICALY ACTIVE DERIVATIVES

UÇAR S., EŞSİZ S., DALKILIÇ E., DAŞTAN A.

1. International Turkic World Conference on Chemical Sciences and Technologies, 27 October - 01 November 2015

Supported Projects

DAŞTAN A., TUBITAK Project, C-H Substitüsyon Tepkimesi Üzerinden Diazanaftalinlerin Dimerizasyonu Ve Hetero Arilasyonu: Pek Çok Uygulama İçin Sentetik Potansiyeli Yüksek Heterosiklik Moleküllerin Etkin Sentezi, 2017 - Continues
DAŞTAN A., TUBITAK Project, Piridazin Halkası İçeren Kromik Dibenzosuberone'nin İlk Sentezi, Fotokromik Özelliklerinin ve Spiro Bileşiklerine Düzenlenme Tepkimelerinin İncelenmesi: Flor Sensör Olarak Yeni Tip Boyar Maddeler, 2016 - Continues

Uçar S., TUBITAK Project, Regioselective Oxidation and Halogenation of Saturated Benzenoid Heterocyclic Compounds with Isocyanuric Acids, 2025 - 2027

Uçar S., TUBITAK Project, Kovalent Basket Kafeslerin Sentezi ve Organofosfatların Moleküler Kapsüllemesi, 2023 - 2024

DAŞTAN A., UÇAR S., Project Supported by Higher Education Institutions, 4-Alkinilkinazolin Türevleri için Yeni Bir Sentetik Yaklaşımın Geliştirilmesi, 2020 - 2021

AKBULUT N., MENZEK A., DAŞTAN A., EKİNCİ D., KILIÇ H., ÖZDEMİR H., KAZAZ C., SARAÇOĞLU N., ONGANER Y., ŞAHİN E., et al., Project Supported by Higher Education Institutions, Kimya Bölümünün Akademik Araştırma Potansiyelinin Geliştirilmesi, 2019 - 2021

DAŞTAN A., TUBITAK Project, Diazanaftalin Türevlerinin Sentezi İçin Yeni ve Etkin Yöntemlerin Geliştirilmesi: Biyolojik Potansiyeli Yüksek Türevler İçin Anahtar Moleküller, 2013 - 2016

Metrics

Publication: 14

Citation (WoS): 27

Citation (Scopus): 33

H-Index (WoS): 3

H-Index (Scopus): 4