

Asst. Prof. ÇAĞATAY DENGİZ

Personal Information

Office Phone: [+90 210 321 9](tel:+902103219)

Email: dengizc@metu.edu.tr

Web: <http://denrg.chem.metu.edu.tr>

Post Address: Orta Dogu Teknik Universitesi, Kimya Bolumu, O-308, 06800, Cankaya-ANKARA

Education Information

Post Doctorate, Massachusetts Institute Of Technology, Department of Chemistry, United States Of America 2016 - 2018

Doctorate, Eidgenössische Technische Hochschule, Ethz (The Federal Institute Of Technology, Zürich), Department of Chemistry, Switzerland 2012 - 2015

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Kimya Bolumu, Turkey 2010 - 2011

Under Graduate, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya Bolumu, Turkey 2006 - 2010

Foreign Languages

English, C2 Proficiency

Research Areas

Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2018 - Continues

Jury Memberships

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2020

Post Graduate, Post Graduate, Australian National University, December, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2019

Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2019

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2018

Doctoral Examination, Doctoral Examination, Van Yüzüncü Yıl Üniversitesi, July, 2018

Post Graduate, Post Graduate, Van Yüzüncü Yıl Üniversitesi, July, 2018

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

- **Synthesis, characterization, and theoretical investigation of optical and nonlinear optical (NLO) properties of triazene-based push–pull chromophores**

Mammadova F., Ozsinan S., Okutan M., DENGİZ Ç.

Journal of Molecular Structure, vol.1220, 2020 (Journal Indexed in SCI Expanded)

- **Synthesis of thienopyridinones via hydrazone-alkyne cyclization**
Cokol N. K. , ERDEN K., Gunay F. M. , DENGİZ Ç., Balci M.
Tetrahedron, vol.76, 2020 (Journal Indexed in SCI)
- **Bioproduction, structure elucidation and in vitro antiproliferative effect of eumelanin pigment from Streptomyces parvus BSB49**
Bayram S., DENGİZ Ç., GERÇEK Y. C. , ÇETİN İ., TOPÇUL M. R.
Archives of Microbiology, 2020 (Journal Indexed in SCI)
- **Synthesis of triazene-substituted homoconjugated push-pull chromophores by formal [2 + 2] cycloadditions**
Erden K., Savaş İ., Dengiz Ç.
Tetrahedron Letters, vol.60, pp.1982-1985, 2019 (Journal Indexed in SCI)
- **Synthesis and Optoelectronic Properties of Iptycene-Naphthazarin Dyes**
Dengiz C., WU Y. M. , SWAGER T. M.
SYNLETT, vol.30, pp.54-58, 2019 (Journal Indexed in SCI)
- **Naphthazarin-Polycyclic Conjugated Hydrocarbons and Iptycenes**
Dengiz C., LUPPINO S. P. , GUTIERREZ G. D. , SWAGER T. M.
JOURNAL OF ORGANIC CHEMISTRY, vol.82, pp.7470-7480, 2017 (Journal Indexed in SCI)
- **Homoconjugated and Spiro Push-Pull Systems: Cycloadditions of Naphtho- and Anthraquinones with Electron-Rich Alkynes**
Dengiz C., SWAGER T. M.
SYNLETT, vol.28, pp.1427-1431, 2017 (Journal Indexed in SCI)
- **The Chemistry of Ethyl 3-(2-Ethoxy-2-oxoethyl)-1H-indole-2-carboxylate: Synthesis of Pyrimido[4,5-b]indoles and Diethyl 4-Hydroxyquinoline-2,3-dicarboxylate via Intramolecular Cyclizations**
KAPTIT., DENGİZ Ç., BALCI M.
SYNTHESIS-STUTTGART, vol.49, pp.1898-1904, 2017 (Journal Indexed in SCI)
- **Design and Synthesis of Aviram-Ratner-Type Dyads and Rectification Studies in Langmuir-Blodgett (LB) Films**
JAYAMURUGAN G., GOWRI V., HERNANDEZ D., MARTIN S., Gonzalez-Orive A., Dengiz C., DUMELE O., PEREZ-MURANO F., GISSELBRECHT J., BOUDON C., et al.
CHEMISTRY-A EUROPEAN JOURNAL, vol.22, pp.10539-10547, 2016 (Journal Indexed in SCI)
- **Push-pull chromophores by reaction of 2,3,5,6-tetrahalo-1,4-benzoquinones with 4-(N,N-dialkylanilino)acetylenes**
Dengiz C., PRANGE C., GAWEL P., TRAPP N., RUHLMANN L., BOUDON C., DIEDERICH F.
TETRAHEDRON, vol.72, pp.1213-1224, 2016 (Journal Indexed in SCI)
- **Synthesis and Optoelectronic Properties of Janus-Dendrimer-Type Multivalent Donor Acceptor Systems**
Dengiz C., BREITEN B., GISSELBRECHT J., BOUDON C., TRAPP N., SCHWEIZER W. B. , DIEDERICH F.
JOURNAL OF ORGANIC CHEMISTRY, vol.80, pp.882-896, 2015 (Journal Indexed in SCI)
- **Synthesis of thio- and furan-fused heterocycles: furopyranone, fuopyrrolone, and thienopyrrolone derivatives**
ERGUN M., DENGİZ Ç., OZER M. S. , ŞAHİN E., BALCI M.
TETRAHEDRON, vol.70, pp.5993-5998, 2014 (Journal Indexed in SCI)
- **Synthesis of Cyano-Substituted Diaryltetracenes from Tetraaryl[3] cumulenes****
GAWEL P., Dengiz C., FINKE A. D. , TRAPP N., BOUDON C., GISSELBRECHT J., DIEDERICH F.
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, vol.53, pp.4341-4345, 2014 (Journal Indexed in SCI)
- **Towards Stapling of Helical Alleno-Acetylene Oligomers - Synthesis of an Enantiopure Bis(ethynylvinylidene)-Substituted Cyclohexadeca-1,3,9,11-tetrayne**
MUELLER I. - S. , BERNET B., Dengiz C., SCHWEIZER W. B. , DIEDERICH F.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, vol.2014, pp.941-953, 2014 (Journal Indexed in SCI)
- **From Homoconjugated Push-Pull Chromophores to Donor-Acceptor-Substituted Spiro Systems by Thermal Rearrangement**
Dengiz C., DUMELE O., KATO S., ZALIBERA M., CIAS P., SCHWEIZER W. B. , BOUDON C., GISSELBRECHT J., GESCHEIDT G., DIEDERICH F.
CHEMISTRY-A EUROPEAN JOURNAL, vol.20, pp.1279-1286, 2014 (Journal Indexed in SCI)

- **New synthetic methodology for construction of the 3,4-dihydroquinolin-2-one skeleton**
DENGİZ Ç., BALCI M.
TURKISH JOURNAL OF CHEMISTRY, vol.37, pp.220-227, 2013 (Journal Indexed in SCI)
- **Mn(OAc)(3)-promoted sulfur-directed addition of an active methylene compound to alkenes**
DELİOMEROĞLU M. K. , DENGİZ Ç., CALISKAN R., BALCI M.
TETRAHEDRON, vol.68, pp.5838-5844, 2012 (Journal Indexed in SCI)
- **Chloroacetylation of C=C double bonds promoted by manganese(III) acetate**
DENGİZ Ç., ÇALIŞKAN R., BALCI M.
TETRAHEDRON LETTERS, vol.53, pp.550-552, 2012 (Journal Indexed in SCI)
- **Synthesis of Indolin-2-one, Isoindolin-1-one, and Indole Derivatives from Homophthalic Acid**
KILIKLIA. A. , DENGİZ Ç., OZCAN S., BALCI M.
SYNTHESIS-STUTTGART, pp.3697-3705, 2011 (Journal Indexed in SCI)
- **A novel one-pot, three-component reaction for the synthesis of isocoumarin-condensed pyrazoles**
OZCAN S., DENGİZ Ç., DELİOMEROĞLU M. K. , ŞAHİN E., BALCI M.
TETRAHEDRON LETTERS, vol.52, pp.1495-1497, 2011 (Journal Indexed in SCI)
- **New Synthetic Methodology for Construction of the 1,3,4,5-Tetrahydro-2H-1,3-benzodiazepin-2-one Skeleton**
DENGİZ Ç., OZCAN S., ŞAHİN E., Balci M.
SYNTHESIS-STUTTGART, pp.1365-1370, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- **The Power of Light in Hexadehydro-Diels–Alder Chemistry**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.809, 2017 (Non-Refreed Journal)
- **A Pyrene-Capped N-Heteroacene**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.818, 2017 (Non-Refreed Journal)
- **Pathway to Conjugated Ladder Polymers**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.695, 2017 (Non-Refreed Journal)
- **Cove-Edge Graphene Nanoribbons**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.704, 2017 (Non-Refreed Journal)
- **Stepwise Two-Photon Photochemical Reactions**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.598, 2017 (Non-Refreed Journal)
- **A Selective Approach for the Synthesis of Functional Oligosiloles**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.592, 2017 (Non-Refreed Journal)
- **Ironing out a Better Route to PAHs**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.481, 2017 (Non-Refreed Journal)
- **Cross-Coupled Corannulenes**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.489, 2017 (Non-Refreed Journal)
- **Phenylene-Containing Polycyclic Conjugated Hydrocarbons**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.366, 2017 (Non-Refreed Journal)
- **Triangular Donor–Acceptor Systems**
SWAGER T. M. , DENGİZ Ç.
Synfacts, vol.13, pp.363, 2017 (Non-Refreed Journal)
- **Suzuki–Miyaura Cross-Coupling of Aromatic Esters**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.263, 2017 (Non-Refreed Journal)

- **Serendipity in the Reactions of Indole-3-carboxaldehyde with Grignard Reagents**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.255, 2017 (Non-Refreed Journal)

- **Electrochromism of Porous Network Thin Films**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.143, 2017 (Non-Refreed Journal)

- **Nonplanar Polycyclic Aromatic Hydrocarbons**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.144, 2017 (Non-Refreed Journal)

- **One-Pot, Why Not?**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.31, 2017 (Non-Refreed Journal)

- **A Trophy for BOPHYs**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.13, pp.37, 2017 (Non-Refreed Journal)

- **Polycyclic Aromatic Hydrocarbons with Multiple Imides**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1253, 2016 (Non-Refreed Journal)

- **Mechanochemical Synthesis of Pyrrole-Substituted Polyynes**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1245, 2016 (Non-Refreed Journal)

- **Power of Steric Effects in Oxidative Cyclizations**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1148, 2016 (Non-Refreed Journal)

- **Novel Heptathienoacenes with Bull's Horn and Linear Shapes**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1149, 2016 (Non-Refreed Journal)

- **Synthetic Route to Thiophene-Based Double Helical Oligomers**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1036, 2016 (Non-Refreed Journal)

- **Nitrogen Analogues of Polycyclic Aromatic Hydrocarbons**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.1029, 2016 (Non-Refreed Journal)

- **A Creative Route to Perfluororubrene**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.919, 2016 (Non-Refreed Journal)

- **First Experimental Evidence for the Formation of the Cyclic Carbon Dioxide Trimer**

SWAGER T. M. , DENGİZ Ç.

Synfacts, vol.12, pp.914, 2016 (Non-Refreed Journal)

Supported Projects

Dengiz Ç., TUBITAK Project, Yasaklı Tepkimeler: Kinonların Beklenmedik, Termal [2+2] Siklokatalıma Tepkimelerinin İncelenmesi, 2019 - 2022

Dengiz Ç., TUBITAK Project, Donör-Akzeptör Tipi Kromofor ve Polimerlerin Klık Tipi Reaksiyonlarla Sentezi ve Hedeflenen Yapıların Optoelektronik Özelliklerinin Teorik ve Laboratuvar Koşullarında İncelenmesi, 2019 - 2021

Dengiz Ç., Yılmaz Ö., TUBITAK Project, Yeni Bir Metod İle Tersiyer Aminlerden Alfa-Aminonitril Türevlerinin Sentezlenmesi, 2019 - 2020

Scientific Refereeing

CURRENT ORGANIC CHEMISTRY, SCI Journal, July 2020
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, July 2020
CURRENT ORGANIC CHEMISTRY, SCI Journal, May 2020
CURRENT ORGANIC CHEMISTRY, SCI Journal, May 2020
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, April 2020
CURRENT ORGANIC CHEMISTRY, SCI Journal, April 2020
Ministry of Health, Middle East Technical University, Turkey, April 2020
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, March 2020
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Middle East Technical University, Turkey, September 2019
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, May 2019
Technopark, Orta Doğu Teknik Üniversitesi, Turkey, April 2019
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, January 2019
The Journal of Organic Chemistry, SCI Journal, January 2019
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, September 2018
The Journal of Organic Chemistry, SCI Journal, February 2017

Tasks In Event Organizations

Dengiz Ç., 10. Kozmetik Kongresi, Scientific Congress, Antalya, Turkey, Şubat 2020
Dengiz Ç., 7. İlaç Kimyası Kongresi, Scientific Congress, Antalya, Turkey, Mart 2019

Citations

Total Citations (WOS):168
h-index (WOS):9

Invited Talks

Expanding the Chemical Space of Carbon-Rich Materials by Click-Type Reactions, Seminar, İhsan Doğramacı Bilkent Üniversitesi, Turkey, March 2020
Bilim ve Şans, Seminar, Yasemin Karakaya Bilim Ve Sanat Merkezi, Turkey, May 2019
4. ODTÜ Bilim Günleri, Seminar, Orta Doğu Teknik Üniversitesi, Turkey, April 2019

Scholarships

2232 Yurda Dönüş Araştırma Burs Programı, TUBITAK, 2019 - Continues
Early Postdoc Mobility Fellowship, Official Institutions of Foreign Countries, 2016 - 2018
2228- Son Sınıf Lisans Öğrencileri İçin Yurt İçi Lisansüstü Burs Programı, TUBITAK, 2010 - 2011
2209-Üniversite Öğrencileri Yurt İçi / Yurt İşi Araştırma Projeleri Destekleme Programı, TUBITAK, 2009 - 2010

Awards

Dengiz Ç., TÜBİTAK - UFUK 2020 - Eşik Üstü Ödülü (2024), Tubitak, February 2019
DENGİZ Ç., 2011-2012 Öğretim Yılı ODTÜ Yılın Tezi Ödülü, ODTÜ Prof. Dr. Mustafa N. PARLAR Eğitim ve Araştırma Vakfı, December 2012
DENGİZ Ç., Ders Performans Ödülü, ODTÜ Fen Bilimleri Enstitüsü, June 2011

