

Prof. BARIŞ TEMELLİ

Personal Information

Office Phone: [+90 312 297 6185](tel:+903122976185)

Email: temelli@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/temelli>

Address: Hacettepe Üniversitesi Beytepe Kampüsü Kimya Bölümü Beytepe Ankara

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya/Organik Kimya, Turkey 2002 - 2008

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya/Organik Kimya, Turkey 2000 - 2002

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya, Turkey 1996 - 2000

Foreign Languages

English, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2021 - Continues

Associate Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2014 - 2021

Assistant Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2011 - 2014

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2000 - 2011

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2016 - Continues

Advising Theses

TEMELLİ B., Formil grubu içeren porfirin bileşiklerinin sentezi ve tepkimeleri, Postgraduate, H.KALKAN(Student), 2017

TEMELLİ B., Etin köprülü ikili ve üçlü porfirin-korol hibrit bileşiklerinin sentezi ve karakterizasyonu, Postgraduate, M.GÜNDÜZ(Student), 2017

TEMELLİ B., İkili makrohalkalı aromatik hibrit bileşiklerinin sentezi ve yapılarının aydınlatılması, Postgraduate, Ö.ÖZAŞIK(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ethynyl-bridged porphyrin-corrole dyads and triads: Synthesis, properties and DFT calculations**
Temelli B., GÜNDÜZ M., YÜKSEL D.
TETRAHEDRON, vol.74, no.34, pp.4476-4488, 2018 (Journal Indexed in SCI)
- II. **Unexpected formation of β , meso-directly linked diporphyrins under Adler–Longo reaction conditions**
TEMELLİ B., Kalkan H.
Synthetic Communications, vol.48, no.16, pp.2112-2117, 2018 (Journal Indexed in SCI)
- III. **Synthesis, Spectroscopic Properties, and DFT Calculations of Imine-Bridged meso-meso- and beta-meso-Linked Porphyrin-Corrole Dyads**
TEMELLİ B., ÖZAŞIK O., YÜKSEL D.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.33, pp.4905-4915, 2017 (Journal Indexed in SCI)
- IV. **Synthesis and spectroscopic properties of β -meso directly linked porphyrin-corrole hybrid compounds**
TEMELLİ B., KALKAN H.
Beilstein Journal of Organic Chemistry, vol.14, pp.187-193, 2017 (Journal Indexed in SCI)
- V. **Selective Synthesis of Tripyrranes, Tetrapyrroles, and Corroles**
AYDIN G., TEMELLİ B., ÜNALEROĞLU C.
EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, no.34, pp.7583-7593, 2015 (Journal Indexed in SCI)
- VI. **Electrochemistry of poly(5-phenyl dipyrromethane) and its characterization**
BOLAT G., Kuralay F., TEMELLİ B., ÜNALEROĞLU C., ABACI S.
POLYMER BULLETIN, vol.72, no.4, pp.867-879, 2015 (Journal Indexed in SCI)
- VII. **Access to pyrrole-based heterocyclic compounds via addition of pyrrole to C=C and C=N bonds**
ÜNALEROĞLU C., TEMELLİ B., Tasgin D. I.
PURE AND APPLIED CHEMISTRY, vol.86, no.6, pp.925-932, 2014 (Journal Indexed in SCI)
- VIII. **Direct Transformation of Primary Nitro Compounds into Nitriles with Sodium Dithionite**
Temelli B., ÜNALEROĞLU C.
SYNTHESIS-STUTT GART, vol.46, no.10, pp.1407-1412, 2014 (Journal Indexed in SCI)
- IX. **A new reagent for the synthesis of [26]hexaphyrin: N-sulfonyl aldimine**
Cinar S., TEMELLİ B., ÜNALEROĞLU C.
TETRAHEDRON LETTERS, vol.55, no.2, pp.544-547, 2014 (Journal Indexed in SCI)
- X. **Scalable total synthesis of (-)-berkelic acid by using a protecting-group-free strategy**
Fañanás F. J., Mendoza A., Arto T., Temelli B., Rodríguez F.
Angewandte Chemie - International Edition, vol.51, no.20, pp.4930-4933, 2012 (Journal Indexed in SCI)
- XI. **RECOVERABLE AND REUSABLE CATALYST FOR THE REACTION OF N-TOSYL IMINES WITH PYRROLE: SYNTHESIS OF MESO-TETRAARYLPORPHYRINS**
TEMELLİ B., OZDEMIR S. S.
HETEROCYCLES, vol.85, no.4, pp.851-860, 2012 (Journal Indexed in SCI)
- XII. **The reaction of N-tosyl imines with heteroaromatic compounds: a new access to triheteroarylmethanes**
Temelli B., Tasgin D. I., ÜNALEROĞLU C.
TETRAHEDRON, vol.66, no.34, pp.6765-6768, 2010 (Journal Indexed in SCI)
- XIII. **An Efficient Synthetic Route for Pyrrolizinone Synthesis through Functionalized C-Alkylpyrroles**
ÜNALEROĞLU C., Tasgin D. I., Aytac S., TEMELLİ B.
SYNTHESIS-STUTT GART, no.19, pp.3243-3250, 2009 (Journal Indexed in SCI)
- XIV. **Synthesis of meso-tetraphenyl porphyrins via condensation of dipyrromethanes with N-tosyl imines**
TEMELLİ B., ÜNALEROĞLU C.
TETRAHEDRON, vol.65, no.10, pp.2043-2050, 2009 (Journal Indexed in SCI)
- XV. **Regioselective alkylation of pyrrole with 2-benzylidenemalononitriles catalyzed by Cu(OTf)₂**
Tasgin D. I., TEMELLİ B., Yazici A., Aytac S., ÜNALEROĞLU C.
LETTERS IN ORGANIC CHEMISTRY, vol.5, no.3, pp.165-168, 2008 (Journal Indexed in SCI)
- XVI. **Copper triflate catalyzed regioselective alkylation of pyrrole: Conversion of 2-alkylated pyrroles to**

novel pyrrolizine derivatives by self-cyclization

ÜNALERÖĞLU C., Aytac S., TEMELLİ B.

HETEROCYCLES, vol.71, no.11, pp.2427-2440, 2007 (Journal Indexed in SCI)

XVII. **A novel method for the synthesis of dipyrromethanes by metal trillate catalysis**

Temelli B., Unaleroglu C.

TETRAHEDRON, vol.62, no.43, pp.10130-10135, 2006 (Journal Indexed in SCI)

XVIII. **Regioselective addition of pyrrole to N-tosyl imines in the presence of Cu(OTf)₂**

Temelli B., Unaleroglu C.

TETRAHEDRON LETTERS, vol.46, no.46, pp.7941-7943, 2005 (Journal Indexed in SCI)

XIX. **Metal triflates-catalyzed conjugate addition of homochiral Pyrroles to alpha,beta-unsaturated esters**

Unaleroglu C., Temelli B., Demir A. s.

SYNTHESIS-STUTTGART, no.15, pp.2574-2578, 2004 (Journal Indexed in SCI)

XX. **A facile synthesis and characterization of the novel 2,2-dichloro-1-[3-(2,2-dichloro-acetyl)-2-(4-methoxy-phenyl)-imidazolidin-1-yl]-ethanone**

UNALEROĞLU C., TEMELLİ B., Hokelek T.

SYNTHETIC COMMUNICATIONS, vol.32, no.21, pp.3255-3261, 2002 (Journal Indexed in SCI)

XXI. **Conformational and structural analysis of N-N'-bis (4-methoxybenzylidene)ethylenediamine**

UNALEROĞLU C., TEMELLİ B., Hokelek T.

JOURNAL OF MOLECULAR STRUCTURE, vol.570, pp.91-95, 2001 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. **β-mezo Pozisyonlarından Bağlı İkili Porfirin Bileşiklerinin Adler-Longo Metodu ile Sentez**

kalkan h., TEMELLİ B.

29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017

II. **Synthesis and Photophysical Properties of Porphyrin Corrole Hybrid Compounds**

TEMELLİ B.

6th EuCheMS (European Chemistry Congress) 2016, Sevilla, Spain, 11 - 15 September 2016

III. **Preparation of New Porphyrin Corrole Hybrid Dyads**

Kalkan H., TEMELLİ B.

6th EuCheMS (European Chemistry Congress) 2016, Sevilla, Spain, 11 - 15 September 2016

IV. **The synthesis of imine bridged porphrin corrole dyads and triads**

ÖZGÜN Ö., GÜNDÜZ M., KALKAN H., TEMELLİ B.

Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015

Supported Projects

TEMELLİ B., Project Supported by Higher Education Institutions, Fonksiyonel grup içeren yeni porfirin bileşiklerinin sentezi, 2010 - Continues

TEMELLİ B., Project Supported by Higher Education Institutions, Üçlü Makrohalkalı Aromatik Bileşiklerin Sentezi ve Yapılarının Aydınlatılması, 2018 - 2019

TEMELLİ B., Project Supported by Higher Education Institutions, Mezo-mezo ve beta-mezo substitüye porfirin korol bileşiklerinin sentezi ve spektroskopik özellikleri, 2017 - 2018

TEMELLİ B., TUBITAK Project, β Mezo Pozisyonlarından Konjuge Yeni Porfirin Oligomerlerinin ve Porfirin Korol Hibrit Bileşiklerinin Sentezi ve Spektroskopik Özellikleri, 2015 - 2017

TEMELLİ B., Özaşık Ö., Gündüz M., Project Supported by Higher Education Institutions, İkili ve Üçlü Hibrit Makrohalkalı Aromatik Bileşiklerin Sentezi, Karakterizasyonu ve Fotofiziksel Özelliklerinin Tespiti, 2014 - 2017

TEMELLİ B., Project Supported by Higher Education Institutions, Porfirin Korol Hibrit Bileşiklerinin Sentezi ve Fotofiziksel Özellikleri, 2016 - 2016

TEMELLİ B., Project Supported by Higher Education Institutions, Nitril Bileşiklerinin Sentezinde Yeni Yaklaşımlar, 2015 - 2015

Citations

Total Citations (WOS):259

h-index (WOS):8