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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1983 - 1988

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1979 - 1983

Lisans, Hacettepe Üniversitesi, Kimya Fakültesi, Kimyagerlik, Türkiye 1974 - 1979

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Araştırma Alanları

Kimya, Organik Kimya, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1979 - Devam Ediyor

### Akademik İdari Deneyim

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011 - 2017

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - 2011

### Verdiği Dersler

KIM653 001 ORGANİK SPEKTRAL YAPI ANALIZI, Yüksek Lisans, 2017 - 2018

KIM461 001 ORGANİK KİMYA LAB.II, Lisans, 2017 - 2018

KIM700 013 SEMİNER, Yüksek Lisans, 2017 - 2018

KIM485 013 BITİRME ÖDEVI, Lisans, 2017 - 2018

KIM311 001 ORGANİK YAPI ANALIZI, Lisans, 2017 - 2018, 2016 - 2017

KIM698 013 ÖZEL KONULAR, Yüksek Lisans, 2017 - 2018

KIM413 001 ORGANİK KİMYA III, Lisans, 2017 - 2018, 2016 - 2017

FBE601 018 001 BİLİMSEL ARASTIRMA TEKNİĞİ VE YAYIN ETİĞİ, Yüksek Lisans, 2017 - 2018

KIM798 013 ÖZEL KONULAR, Doktora, 2017 - 2018, 2016 - 2017  
KIM154 001 GENEL KIMYA II, Lisans, 2016 - 2017  
KIM386 001 ORGANİK KIMYA LAB I, Lisans, 2016 - 2017  
KIM358 001 ORGANİK KIMYA II, Lisans, 2016 - 2017  
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KIM698 051 ÖZEL KONULAR, Yüksek Lisans, 2016 - 2017

## Yönetilen Tezler

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ÜNALEROĞLU C., Kiral fonksiyonel gruplar içeren yeni porfirin türevlerinin sentezi ve karakterizasyonu, Yüksek Lisans, D.ERKEN(Öğrenci), 2014  
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ÜNALEROĞLU C., Michael addition of heteroaromatic compounds to  $\alpha,\beta$ -unsaturated phosphonates and their reactions, Doktora, D.İŞİK(Öğrenci), 2012  
ÜNALEROĞLU C., Nitroalkenlere 1,4-katılması ve halkalaşma tepkimelerinin incelenmesi, Yüksek Lisans, S.ÇINAR(Öğrenci), 2012  
ÜNALEROĞLU C., Addition reactions of aromatic compounds to multiple bonds in the presence of metal trifluoromethanesulfonates, Doktora, B.TEMELLİ(Öğrenci), 2008

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **An Unprecedented Reaction of BOPHY: Fluorimetric Chemosensing of Amines by Tetrabrominated BOPHY**  
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- II. **Substituent-controlled construction of A4B2-hexaphyrins and A3B-porphyrins: a mechanistic evaluation**  
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- III. **Synthesis, photophysical properties and theoretical evaluation of alkyl-linked porphyrin – BODIPY dyads**  
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- IV. **Theoretically designated synthesizable donor-acceptor type semiconducting copolymers: Investigation into molecular, electronic, and optical properties**  
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- V. **2,3,5,6-Tetrabromo-8-phenyl BODIPY as a fluorometric and colorimetric probe for amines**

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SEYİTDANLIOĞLU ŞİRİN P., KAHYA N. D., ÜNALEROĞLU C.  
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- VIII. **A computational insight on designing low electronic energy gap benzothiadiazole/benzoselenadiazole-pyrrole copolymers**  
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- IX. **A Finding on the Direct Regioselective Cyanation of BODIPY**  
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- XI. **Design, synthesis, and antitumor evaluation of novel methylene moiety-tethered tetrahydroquinoline derivatives**  
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- XIII. **Selective synthesis of 5-aryl-10-(nitromethyl) substituted 15-azatripyrrane, 15-oxatripyrrane and 15-thiatripyrrane: access to nitromethyl functionalized A(3)B-porphyrins**  
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- XIV. **N-phosphorylation of pyrroles: An intramolecular migration reaction**  
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- XV. **Selective synthesis of 5-aryl-10-(nitromethyl) substituted 15-azatripyrrane, 15-oxatripyrrane and 15-thiatripyrrane: access to nitromethyl functionalized A(3)B-porphyrins**  
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- AYDIN G., TEMELLİ B., ÜNALEROĞLU C.  
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- XXI. **Colorimetric and fluorometric pH sensor based on bis(methoxycarbonyl)ethenyl functionalized BODIPY**  
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- XXII. **Mannich Bases as Enone Precursors for Water-Mediated Efficient Synthesis of 2,3,6-Trisubstituted Pyridines and 5,6,7,8-Tetrahydroquinolines**  
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ÜNALEROĞLU C., TEMELLİ B., Tasgin D. I.  
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- XXV. **Direct Transformation of Primary Nitro Compounds into Nitriles with Sodium Dithionite**  
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- XXVI. **A new reagent for the synthesis of [26]hexaphyrin: N-sulfonyl aldimine**  
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- XXVII. **Michael Addition of N-Heteroaromatics to Vinylphosphonates and Synthesis of Phosphoryl Pyrrolizones by Cyclization of Michael Adducts**  
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- XXVIII. **A novel polypyrrole-phenylboronic acid based electrochemical saccharide sensor**  
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- XXIX. **The reaction of N-tosyl imines with heteroaromatic compounds: a new access to triheteroarylmethanes**  
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- XXX. **Enantioselective addition of diethylzinc to aldehydes catalyzed by beta-amino alcohols derived from (1R,2S)-norephedrine**  
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- XXXII. **Synthesis of meso-tetraphenyl porphyrins via condensation of dipyrromethanes with N-tosyl imines**  
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- XXXIII. **Regioselective alkylation of pyrrole with 2-benzylidenemalononitriles catalyzed by Cu(OTf)<sub>2</sub>**  
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- XXXIV. **Gadolinium triflate catalyzed alkylation of pyrroles: efficient synthesis of 3-oxo-2,3-dihydro-1H-pyrrolizine derivatives**  
ÜNALEROĞLU C., Yazici A.  
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- XXXV. **Copper triflate catalyzed regioselective alkylation of pyrrole: Conversion of 2-alkylated pyrroles to**

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- XXXVI. **Synthesis and characterization of transition metal-vitamin B13 complexes mixed with a co-vitamin**  
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- XXXVII. **A novel method for the synthesis of dipyrromethanes by metal trillate catalysis**  
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- XXXVIII. **Computational study of the synthesis of benzoin derivatives from benzil**  
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- XXXIX. **Synthesis of novel norephedrine-based chiral ligands with multiple stereogenic centers and their application in enantioselective addition of diethylzinc to aldehyde and chalcone**  
Unaleroglu C., Aydin A. E., Demir A. S.  
TETRAHEDRON-ASYMMETRY, cilt.17, sa.5, ss.742-749, 2006 (SCI-Expanded)
- XL. **Regioselective addition of pyrrole to N-tosyl imines in the presence of Cu(OTf)(2)**  
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TETRAHEDRON LETTERS, cilt.46, sa.46, ss.7941-7943, 2005 (SCI-Expanded)
- XLI. **Structural and magnetic studies on mono- and polynuclear chromium ascorbate complexes**  
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- XLII. **Metal triflates-catalyzed conjugate addition of homochiral Pyrroles to alpha,beta-unsaturated esters**  
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- XLIV. **Monodentate chromium(III) ascorbate complexes prepared via chromate reduction in THF**  
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- XLV. **Ascorbic acid as a potential masking agent in the tanning process. Olated chromium complexes involving ligating ascorbate and bridging sulfate groups**  
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- XLVI. **Lead tetraacetate mediated one-pot multistage transformations: Theoretical studies on the diverging behavior in the Hajos-Parrish and Wieland-Miescher series**  
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- XLVII. **Zinc ascorbate: a combined experimental and computational study for structure elucidation**  
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- XLVIII. **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**  
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- XLIX. **The crystal structure and conformational analysis of N,N '-bis(5-bromo-2-hydroxybenzylidene)ethylenediamine**  
UNALEROĞLU C., Hokelek T.

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- L. **Synthesis and characterization of copper ascorbate**  
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- LI. **Conformational and structural analysis of N-N '-bis (4-methoxybenzylidene)ethylenediamine**  
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- LII. **Crystal structure of N,N-bis(4-hydroxy-benzylidene)ethylenediamine center dot methanol**  
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- LIII. **Crystal structure of [bis(N,N,N ',N '-tetramethylethylenediamine)-O,O '-mu-O,O '-oxalato]dihydroxy dicopper(II)**  
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- LIV. **N,N,N ',N '-tetramethylethylenediammonium dichloride**  
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- LV. **Crystal structure of gadolinium 3,5-dinitrobenzoate dihydrate**  
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- LVI. **Samarium 3,5-dinitrobenzoate dihydrate**  
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- LVII. **catena-poly[[tetrakis(mu-3,5-dinitrobenzoato-O : O ')dicopper(II)]bis[(mu-3,5-dinitro-benzoato-O : O ')(methanol-O)copper(II)]]**  
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- LVIII. **pH-Independent decomposition reactions of L-ascorbic acid in aqueous metal solutions. 2. Imaging by scanning tunneling microscopy**  
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- LIX. **Comments: "Synthesis and structure of [Ln(H<sub>2</sub>O)(3)](2)(C<sub>2</sub>O<sub>4</sub>)(3) with Ln = Eu, Gd, Tb and Dy"**  
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- LX. **pH-independent decomposition reactions of L-ascorbic acid in aqueous metal solutions .1. Formation and structures of Co-II and Gd-III oxalates**  
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- LXI. **Cerium 3,5-dinitrobenzoate dihydrate**  
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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A Novel Approach to the Synthesis of Alkyl-Substituted A3B Porphyrins (Alkil-Substitüye A3B Porfirinlerin Sentezi için Yeni Bir Yaklaşım)**  
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- III. **Ester, Hidrazon ve Aril Azo Gruplarıyla Fonksiyonlandırılmış BODIPY Bileşikleri**  
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- IV. **Simetrik Olmayan Tripiran Bileşiklerinden Çıkılarak Mezo Konumunda Alifatik Nitro Grubu Taşıyan A3B Tipi Porfirinlerin Sentezi**  
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