

Cihan John Gunduz

Education

2004-2009	Marmara University- Institute for Graduate Studies in Pure and Applied Sciences PhD of Organic Chemistry	Istanbul, Turkey
1998-2001	Marmara University- Institute for Graduate Studies in Pure and Applied Sciences MSc of Organic Chemistry	Istanbul, Turkey
1994-1998	Balikesir University Bachelors of Chemistry (graduate with first)	Balikesir, Turkey

Apparatus Skills:

MALDI-TOF, NMR, Fluorescence Spectrometry, Infrared Spectroscopy, UV-Vis, pH-meter, Refractometry

Computer Skills:

Microsoft Office, Word, Excel, Power Point, ChemDraw, MDL ISIS Draw, ChemSketch

Previous and Current Research Mentors

- Synthesis of 2H-1-Benzopyran-2-One (Coumarin) Derivatives
- Synthesis of [1]Benzoxolo[3,2-C]Chromen-6-One (Coumestan) Derivatives
- Synthesis of Coumarin or Coumestan Derivatives of Crown Ethers
- Synthesis of 4,4-Difluoro-4-Bora-3A,4A-Diaza-S-Indacene (BODIPY) Derivatives
- Synthesis of Phthalocyanine Derivatives
- Synthesis of Cinnamic Acid Derivatives
- Complexation Study of Chromenone Crown Ethers Using Conductometry
- Complexation Study of Chromenone Crown Ethers Using Fluorescence Spectroscopy

Publications

1. The Synthesis and Complexation Study of Some Coumestan and Coumestan Analog Derivatives of Crown Ethers Using Conductometry
Dyes and Pigments, 65 (3), 197-204, **2005**.
2. The synthesis and complexation study of some novel 3-methoxyphenyl chromenone crown ethers using conductometry
Dyes and Pigments, 71, 161-167, **2006**.
3. Synthesis of 7,8-Dihydroxy-3-(3,4-dihydroxyphenyl)-2H-chromen-2-one Derivatives of Crown Ethers
J. Heterocyclic Chem., 46, 105-107, **2009**.
4. Synthesis and Spectral Characterization of a Novel Series of Methylcinnamat Derivatives of 15-Crown-5
J. Heterocyclic Chem., 46, 567-570, **2009**.
5. The synthesis of novel 4-(3,4-dimethoxyphenyl)chromenone-crown ethers and their cation binding, as determined using fluorescence spectra
Supramolecular Chemistry, 21(8), 724-731, **2009**.
6. The synthesis and fluorescence properties of novel chromenone-crown ethers
Supramolecular Chemistry, 22(9), 491-498, **2010**.
7. Synthesis of 3-amino-4-hydroxy coumarin and dihydroxy-phenyl coumarins as novel anticoagulants
Arzneimittel-Forschung-Drug Research, 10(60), 617-620, **2010**.
8. A novel schiff-base as a cu (II) ion fluorescent sensor in aqueous
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 136: 1679-1683, **2015**.
9. Synthesis of selected 3- and 4-arylcoumarin derivatives and evaluation as potent antioxidants
Research on Chemical Intermediates, 42:6061–6077, **2016**.
10. Inhibitory effects of arylcoumarin derivatives on *Bacteroides fragilis* D-lactate dehydrogenase
International Journal of Biological Macromolecules, 127:197-203, **2019**.
11. Investigation of HMG-CoA reductase inhibitory and antioxidant effects of various hydroxycoumarin derivatives
doi.org/10.1002/ardp.201900378