

# Cihan John Gunduz

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## Education

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

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## 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

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## Previous and Current Research Mentors

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- 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
- Synthesis and investigation of cation interactions of novel schiff bases
- Synthesis and investigation of PAHs

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## Publications

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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 353(10):1900378-86 **2020**.
12. Design, Synthesis and Biological Evaluation of Novel Benzocoumarin Derivatives as Potent Inhibitors of MAO-B Activity.  
*Bioorganic & Medicinal Chemistry Letters*, 115:129984-90, **2024**.