

## Res. Asst. HARUN NALÇAKAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: GRS-8669-2022

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### Education Information

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 2021 - Continues

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 2016 - 2021

### Research Areas

Bioinformatics, Chemistry, Physical Chemistry, Computational Chemistry, Chemistry of Dyes and Pigments, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Ankara University, Fen Fakültesi, Kimya Bölümü, 2023 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Computational insights into bis-N,N-dimethylaniline based D- $\pi$ -A photosensitizers bearing divergent-type of  $\pi$ -linkers for DSSCs**  
Nalçakan H., Kurtay G., Sarıkavak K., Şen N., Sevin Düz F.  
Journal of Molecular Graphics and Modelling, vol.122, 2023 (SCI-Expanded)

### Articles Published in Other Journals

- AN IN SILICO PHARMACOKINETIC INVESTIGATION OF ORGANIC LUMINOGENS: UNDERSTANDING THE NIR AIEGENS AND THEIR INTERACTIONS WITH SERUM ALBUMINS**  
Nalçakan H., Kurtay G., Özdil D. T., Yılmaz Z.  
ANKARA UNIVERSİTESİ ECZACILIK FAKÜLTESİ DERGİSİ, vol.48, no.1, pp.1-19, 2023 (Scopus)
- Bridging Molecular Docking to Molecular Dynamics to Enlighten Recognition Processes of Tailored D-A/D-A-D Types' AIEgens with HSA/BSA**

Nalçakan H., Kurtay G.

Journal of advanced research in natural and applied sciences (Online), vol.9, no.3, pp.670-687, 2023 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Alzheimer's Alchemy: Unveiling the Dual-Inhibitory Potential of Tacrine-Donepezil Hybrids**  
NALÇAKAN H., TÜRK M., KURTAY G.  
6th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 11 - 13 October 2023
- II. **Computational Modeling of Novel Filgotinib Derivatives as Potent Janus Kinase (JAK1/JAK2) Inhibitors: A Detailed Molecular Docking and in-silico ADMET Analysis**  
NALÇAKAN H., ÜNALAN A. T., KURTAY G., SEVİN DÜZ F.  
11. International Drug Chemistry Conference, Antalya, Turkey, 10 - 12 March 2023
- III. **Molecular Docking and in-silico ADMET Studies of Newly Designed Pyrrolo[2,3-d]pyrimidine Derivatives to Inhibit Janus Kinases (JAK1/JAK2)**  
ÜNALAN A. T., NALÇAKAN H., KURTAY G., SEVİN DÜZ F.  
11. International Drug Chemistry Conference, Antalya, Turkey, 09 March 2023
- IV. **Molecular Docking, in silico ADMET Analyses and Computational Approach of Novel Fedratinib Derivatives as Potent JAK2 Inhibitors to Reveal Binding Potentials for Myelofibrosis (MF) Treatment**  
NALÇAKAN H., KURTAY G., GÜNGÖR T.  
8th International BAU Drug Design Congress - Bahçeşehir University, İstanbul, Turkey, 15 - 17 December 2022
- V. **Computational Modelling of Abrocitinib Derivatives/Metabolites and Unveiling their Janus Kinase (JAK) Inhibitory Activities using Molecular Docking and in silico ADMET Studies**  
NALÇAKAN H., KURTAY G., GÜNGÖR T.  
5th International Eurasian Conference on Biological and Chemical Sciences, İstanbul, Turkey, 23 - 25 November 2022
- VI. **Boyaya Duyarlı Güneş Hücrelerine Yönelik Yeni D- $\pi$ -A Tipi Organik Boyarmaddelerin Teorik Olarak Modellenmesi ve Fotoanot Bileşen Performanslarının İncelenmesi**  
NALÇAKAN H., KURTAY G.  
34. Ulusal Kimya Kongresi - Yalova Üniversitesi, Yalova, Turkey, 1 - 06 September 2022
- VII. **Molecular Docking Approach to Enlighten Photodynamic Therapy Applicability of the Tailored D-A or D-A-D Types' AIEgens**  
NALÇAKAN H., KURTAY G.  
2. Computer-Aided Drug Design Symposium and Workshop - Linking Design, Biology, Chemistry and Medicine, İstanbul, Turkey, 11 - 12 May 2022
- VIII. **Molecular Design and Theoretical Investigation of bis-N,N-dimethylaniline-based Novel D- $\pi$ -a Photosensitizers Possessing Divergent  $\pi$ -linkers for Dssc Application**  
NALÇAKAN H., Sarıkavak K., KURTAY G.  
5th International Organic Chemistry Congress, Malatya, Turkey, 14 October 2021 - 17 October 2023

## Supported Projects

Önal M., Kurtay G., Yanardağ T., Nalçakan H., Project Supported by Higher Education Institutions, Stereolitografi/Eriyik Yığılma Modellemesi ile Baskılanmış Elektrokimyasal Hücrelerde Grafen Katkılı Baskı Elektrotların Korozyon Dayanımının İncelenmesi ve Endokrin Bozucu Nitro-Polisiklik Aromatik Hidrokarbonların Amperometrik Tayininde Kullanımı, 2024 - 2026