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Zonguldak Bülent Ecevit Üniversitesi Fen Fakültesi Fizik  
Bölümü Atom Ve Molekül Fiziği

## HAKKINDA

### Çalıştığı Birim

FEN FAKÜLTESİ > FİZİK BÖLÜMÜ >  
ATOM VE MOLEKÜL FİZİĞİ

### Temel Alanı

Fen Bilimleri ve Matematik Temel  
Alanı

### Bilim Alanı

Fizik

### Akademik Anahtar Kelime

Atom, Molekül ve Lazer Fiziği  
Biyofizik

## ÖĞRENİM BİLGİLERİ

### • 2004 - 2008

GAZİ ÜNİVERSİTESİ

Lisans-Anadal

KASTAMONU FEN-EDEBİYAT FAKÜLTESİ |  
FİZİK

### • 2010 - 2012

BÜLENT ECEVİT ÜNİVERSİTESİ

Yüksek Lisans-Tezli

FEN BİLİMLERİ ENSTİTÜSÜ | FİZİK

### • 2012 - 2018

BÜLENT ECEVİT ÜNİVERSİTESİ

Doktora

FEN BİLİMLERİ ENSTİTÜSÜ | FİZİK

## MAKALELER

## ULUSLARARASI

WOS.SCI

Novel 1,2,4-triazole-derived Schiff base derivatives: Design,  
synthesis, and multi-enzyme targeting potential for therapeutic  
applications

Ozcan, I , Alici, H , Taslimi, P , Tahtaci, H

BIOORGANIC CHEMISTRY Volume 157 | 2025

WOS.SCI

## Synthesis and Characterization of Schiff Bases and Their Ag(I) Complexes Containing 2,5,6-Trisubstituted Imidazothiadiazole Derivatives: Molecular Docking and In Vitro Cytotoxic Effects Against Nonsmall Lung Cancer Cell Line

Mirghani, AH , Pehlivanoglu, S , Alici, H , Tahtaci, H , Uysal, S

JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY Volume 39 | 2025

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WOS.SCI

## Effects of the Amyotrophic Lateral Sclerosis-related Q108P Mutation on the Structural Ensemble Characteristics of CHCHD10

Alici, H , Uversky, VN , Kang, DE , Woo, JA , Coskuner Weber, Orkid , Coskuner-Weber, O

CURRENT PROTEIN & PEPTIDE SCIENCE Volume 26 pages: 201 - 212 | 2025

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WOS.SCI

## Synthesis, molecular docking, dynamics study and preliminary cytotoxicity study of some coumarin linked imidazothiadiazoles

Kumar, S , Sravani, P , Gokulakrishnan, S , Khushwah, S , Metikurki, B , Schols, D , Alici, H , Tahtaci, H , Kotha, S , Swapna, B , Alegaon, SG , Karki, SS

JOURNAL OF MOLECULAR STRUCTURE Volume 1321 | 2025

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WOS.SCI

## The impacts of the mitochondrial myopathy-associated G58R mutation on the dynamic structural properties of CHCHD10

Alici, H , Uversky, VN , Kang, DE , Woo, JA , Coskuner-Weber, O

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS Volume 42 pages: 5607 - 5616 | 2024

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WOS.SCI

## Frontotemporal Dementia-Related V57E Mutation Impairs Mitochondrial Function and Alters the Structural Properties of CHCHD10

Alici, H , Uversky, VN , Liu, T , Kang, DE , Woo, JA , Coskuner-Weber, O

ACS CHEMICAL NEUROSCIENCE Volume 14 pages: 2134 - 2145 | 2023

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WOS.SCI

### Effects of the Jokela type of spinal muscular atrophy-related G66V mutation on the structural ensemble characteristics of CHCHD10

Alici, H , Uversky, VN , Kang, DE , Woo, JA , Coskuner-Weber, O

PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume 91 pages: 739 - 749 | 2023

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WOS.SCI

### Novel Thioether-Bridged 2,6-Disubstituted and 2,5,6-Trisubstituted Imidazothiadiazole Analogues: Synthesis, Antiproliferative Activity, ADME, and Molecular Docking Studies

Ozcan, I , Akkoç, S , Alici, H , Çapanlar, S , Sahin, O , Tahtaci, H

CHEMISTRY & BIODIVERSITY Volume 20 | 2023

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WOS.SCI

### Design, Synthesis, Characterization, Antiproliferative Activity, and In Silico Studies of Novel Alkyl Ether Derivatives Containing 1H-1,2,4-Triazole Ring

Yilmaz, O , Çapanlar, S , Akkoç, S , Alici, H , Ozcan, I , Tahtaci, H

CHEMISTRYSELECT Volume 7 | 2022

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WOS.SCI

### Synthesis, Characterization, Theoretical Analyses, and Investigation of Their Biological Activities of Acetovanillone-Derived Novel Benzyl Ethers

Calkilic, NM , Alici, H , Direkel, S , Tahtaci, H

POLYCYCLIC AROMATIC COMPOUNDS Volume 42 pages: 5671 - 5695 | 2022

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WOS.SCI

### Synthesis, Characterization, Antimicrobial Activity and in Silico Studies of Some Phenyl, Furyl and 1H-1,2,4-Triazole Substituted Benzyl and Alkyl Ethers

Güven, OO , Tahtaci, H , Altanlar, N , Alici, H

CHEMISTRYSELECT Volume 7 | 2022

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WOS.SCI

### Synthesis, in vitro cytotoxicity, molecular docking and ADME study of some indolin-2-one linked 1,2,3-triazole derivatives

Das, A , Greco, G , Kumar, S , Catanzaro, E , Morigi, R , Locatelli, A , Schols, D , Alici, H , Tahtaci, H , Ravindran, F , Fimognari, C , Karki, SS

COMPUTATIONAL BIOLOGY AND CHEMISTRY Volume 97 | 2022

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WOS.SCI

### Design and various in silico studies of the novel curcumin derivatives as potential candidates against COVID-19-associated main enzymes

Alici, H , Tahtaci, H , Demir, K

COMPUTATIONAL BIOLOGY AND CHEMISTRY Volume 98 | 2022

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WOS.SCI

### Structures of the Wild-Type and S59L Mutant CHCHD10 Proteins Important in Amyotrophic Lateral Sclerosis- Frontotemporal Dementia

Alici, H , Uversky, VN , Kang, DE , Woo, JA , Coskuner-Weber, O

ACS CHEMICAL NEUROSCIENCE Volume 13 pages: 1273 - 1280 | 2022

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TR DİZİN

### Parkinson Hastalığı ile İlişkilendirilen PreNAC Fibril Kesiti ve Onun A53C, A53E, A53G, A53T, A53V Mutasyonlarının Yapısal Kararlılığın Araştırılması

ALICI HAKAN , DEMİR KADİR

Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi Volume 16 issue 1 pages: 66 - 76 | 2021

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WOS.SCI

### Investigation of Inhibition Effect of Nicotine and Dopamine on Alpha-synuclein

Alici, H

JOURNAL OF COMPUTATIONAL BIOPHYSICS AND CHEMISTRY Volume 20 pages: 477 - 494 | 2021

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WOS.SCI,WOS.IC

**Synthesis, structural characterization, biological activity, and theoretical studies of some novel thioether-bridged 2,6-disubstituted imidazothiadiazole analogues**

Tunel, H , Er, M , Alici, H , Onaran, A , Karakurt, T , Tahtaci, H

JOURNAL OF HETEROCYCLIC CHEMISTRY Volume 58 pages: 1321 - 1343 | 2021

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WOS.SCI

**Synthesis, in silico ADME, molecular docking and in vitro cytotoxicity evaluation of stilbene linked 1,2,3-triazoles**

Das, A , Kumar, S , Persoons, L , Daelemans, D , Schols, D , Alici, H , Tahtaci, H , Karki, SS  
HELIYON Volume 7 | 2021

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WOS.SCI

**Investigation of the stability and the helix-tail interaction of sCT and its various charged mutants based on comparative molecular dynamics simulations**

Alici, H , Demir, K

CHEMICAL PHYSICS Volume 542 | 2021

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WOS.ESCI

**A Conformational Evaluation for PreNAC(46-56) Fibril Segment of Alpha-synuclein using Molecular Dynamic Simulation Method**

Alici, H

KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE  
Volume 24 pages: 11 - 21 | 2021

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TR DİZİN

**HnRNPA2 in LC(286-291) Domain Fibrili ve Onun D290V Mutasyonu Hakkında Teorik Bir Çalışma**

ALICI HAKAN

Journal of the Institute of Science and Technology Volume 11 issue 2 pages: 1080 - 1089 | 2021

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WOS.SCI

**Synthesis, Characterization, Antimicrobial Evaluation, and Computational Investigation of Substituted Imidazo[2,1-b][1,3,4]Thiadiazole Derivatives**

Dagli, M , Er, M , Karakurt, T , Onaran, A , Alici, H , Tahtaci, H  
CHEMISTRYSELECT Volume 5 pages: 11753 - 11763 | 2020

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WOS.SCI

**In silico analysis: structural insights about inter-protofilaments interactions for  $\alpha$ -synuclein (50-57) fibrils and its familial mutation**

Alici, H  
MOLECULAR SIMULATION Volume 46 pages: 867 - 878 | 2020

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WOS.SCI

**Structural analyses and force fields comparison for NACore (68-78) and SubNACore (69-77) fibril segments of Parkinson's disease**

Alici, H  
JOURNAL OF MOLECULAR MODELING Volume 26 | 2020

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WOS.SCI

**Experimental and theoretical studies of electrochemical oxidation of nicotinamide adenine dinucleotide at the modified SWCNT and graphene oxide**

Koçak, I , Alici, H  
JOURNAL OF MOLECULAR MODELING Volume 26 | 2020

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TR DİZİN

**İnsan Kemokin Reseptörü CXCR3'ün N-Terminal Bölgesinin (1-53) Moleküler Dinamik Simülasyon Yöntemi İle Modellenmesi ve Yapısal Analizi**

ALICI HAKAN , KARACAOĞLAN VOLKAN , DEMİR KADİR  
Karaelmas Science and Engineering Journal Volume 8 issue 2 pages: 606 - 614 | 2018

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WOS.SCI

## Conformational stability of the tetrameric de novo designed hexacoil-Ala helical bundle

Demir, K , Alici, H , Yasar, F

CHINESE JOURNAL OF PHYSICS Volume 56 pages: 46 - 57 | 2018

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WOS.SCI

## On the nuclear properties of $^{32}\text{S}$ , $^{64}\text{Zn}$ , $^{67}\text{Zn}$ , $^{89}\text{Y}$ , $^{90}\text{Zr}$ and $^{153}\text{Eu}$ targets used for production of $^{32}\text{P}$ , $^{64}\text{Cu}$ , $^{67}\text{Cu}$ , $^{89}\text{Sr}$ , $^{90}\text{Y}$ and $^{153}\text{Sm}$ therapeutic radionuclides

Aytekin, H , Baldik, R , Alici, H

ANNALS OF NUCLEAR ENERGY Volume 46 pages: 128 - 133 | 2012

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BİLDİRİLER

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## ULUSLARARASI

Özet bildiri

### Investigation Of The Conformational Stability Of Designed Homo Tetrameric Structure

ALICI HAKAN , DEMİR KADİR , YAŞAR FATİH

From Computational Biophysics To System Biology (CBSB2016) , Ankara/TURKEY

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Özet bildiri

### A MD study regarding conformational properties and structure-activity relationship of sCT and its various charged mutants

ALICI HAKAN , DEMİR KADİR

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019)

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Özet bildiri

### Theoretical Elucidations about Aggregation Properties of A $\beta$ 40 and A $\beta$ 42

ALICI HAKAN

USBK 2021 INTERNATIONAL CONGRESS ON NATURAL SCINENCSS

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Özet bildiri

## COMPUTATIONAL STUDIES SUGGEST VARIOUS INHIBITORS OF PAPAİN- LIKE PROTEASE OF MERS-COV FROM CURCUMA LONGA

ALICI HAKAN

EUROASIA Congress on Scientific Researches and Recent Trends-VIII

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Özet bildiri

## INVESTIGATION OF CONFORMATIONAL TRANSITION PROPERTIES OF THE AMYLOID BETA AT NEUTRAL PH AND LOWER PH BY USING MOLECULAR DYNAMIC SIMULATION METHOD

ALICI HAKAN

EURO ASIA 9th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES

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Özet bildiri

## Molecular insights about $\alpha$ -synuclein (50-57) fibril and its familial mutations

ALICI HAKAN

Turkish Physical Society 35th International Physics Congress (TPS-35)

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Özet bildiri

## Comparison of atomistic molecular mechanics force fields for NACore and SubNACore fibrils of Parkinson's disease.

ALICI HAKAN

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019)

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Poster

## Nuclear Data Evaluation For Production of $^{32}\text{P}$ $^{64}\text{Cu}$ And $^{90}\text{Y}$ Therapeutic Radionuclides

hüseyin aytekin , rıdvan baldık , hakan alıcı

Turkish Physics Society 28th International Congress

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Özet bildiri

## Computer Aided Prediction of Cxcr3 Binding Site

KARACAOĞLAN VOLKAN , ALICI HAKAN , CEYHAN DENİZ , DEMİR KADİR  
2nd International Congress on Advances in Bioscience and Biotechnology (ICABB  
2018)

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Özet bildiri

## Structural Analysis of N-Terminal Region (1-53) Of Human Chemokine Receptor CXCR3 By Computational Studies

ALICI HAKAN , KARACAOĞLAN VOLKAN , DEMİR KADİR  
SECOND MEDITERRANEAN NATURAL SCIENCES AND ENGINEERING  
CONGRESS (MENSEC 2018)

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Özet bildiri

## The Functionalization of SWCNT and Graphene Oxide for NADH Oxidation: an Experimental and Theoretical Approach

KOÇAK İZZET , ALICI HAKAN  
3RD INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND  
CHEMICAL SCIENCES

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## ULUSAL

Özet bildiri

## Nadir Toprak Elementleri Bölgesinde Bulunan Ce Nd Sm Eu Çekirdeklerinin Bazı Taban Durum Özelliklerinin İncelenmesi

hakan alıcı , rıdvan baldık  
GEFİK 2012

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## PROJELER

Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi |  
Nationally Supported

## BEÜ Bilimsel Araştırma Projesi 2015-22794455-03

Tamamlandı  
Start 2015 - Finish 2017

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1,2,4-Triazol Halkası İçeren Bazı Schiff Bazlarının Sentezi,  
Karakterizasyonu, in Vitro Asetilkolinesteraz ve  
Butirilkolinesteraz Enzim İnhibisyonları ve in Silico Moleküler  
Docking ve ADME Çalışmaları

Devam Ediyor  
Start 2024

KİTAPLAR

**ULUSLARARASI**

Bilimsel Kitap

Bölüm : Chapter 33 - Methods to study the effect of solution variables on the  
conformational dynamics of intrinsically disordered proteins

**Advances in Protein Molecular and Structural Biology Methods**

ALICI HAKAN , HASEKİOĞLU ORKUN , N. Uversky Vladimir , COŞKUNER WEBER  
ORKİDE

2022, Elsevier ( Elsevier Academic Press ), None

**ULUSAL**