

## Prof. Dr. SEVİM AKYÜZ

### Kişisel Bilgiler

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ScopusID: 7005471023

Yoksis Araştırmacı ID: 10127

### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1968 - 1973

Lisans, Ankara Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Türkiye 1962 - 1967

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Bazı Hofmann tipi clathrate'ler ve pyridine Komplekslerinin IR bölgede Spektroskopik incelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 1973

### Araştırma Alanları

Sağlık Bilimleri, Sosyal ve Beşeri Bilimler, Temel Bilimler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., İstanbul Kültür Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2007 - Devam Ediyor

Prof. Dr., İstanbul Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1992 - 2007

Prof. Dr., Ondokuz Mayıs Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1987 - 1992

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1977 - 1987

### Akademik İdari Deneyim

İstanbul Kültür Üniversitesi, 2017 - 2023

İstanbul Kültür Üniversitesi, 2017 - 2023

İstanbul Üniversitesi, 2004 - 2007

İstanbul Üniversitesi, 1992 - 2001

## Verdiği Dersler

Biyofizik, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018  
Biomoleküler Fizik, Yüksek Lisans, 2023 - 2024  
Molekül Fiziği II, Yüksek Lisans, 2023 - 2024  
Genel Fizik 2, Lisans, 2023 - 2024, 2022 - 2023  
Fizik, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
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## Yönetilen Tezler

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## Jüri Üyelikleri

Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, İstanbul Kültür Üniversitesi, Aralık, 2022

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, İstanbul Üniversitesi, Aralık, 2022

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

- I. **Molecular docking and molecular dynamics studies of Glu- Glu-Arg, Glu-Pro-Arg, and Pro-Arg-Pro tripeptides to reveal their anticancer and antiviral potentials**  
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- II. **Conformational analysis of milk derived tripeptides, IPP, VPP and LPP, and investigation of their anti-COVID-19 potentials by molecular docking and molecular dynamics studies**  
Çelik S., Akyüz S., Agaeva G., E. Ozel A., Qocayev N. M., Agaeva U.  
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- III. **Shedding light into the biological activity of aminopterin, <i>via</i> molecular structural, docking, and molecular dynamics analyses**  
ÇELİK S., YILMAZ G., AKYÜZ S., ÖZEL A.  
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- IV. **Investigations of black and red figure pottery shards and local clay, excavated at Ainos (Enez-Turkey), by multiple analytical techniques**  
Akyüz S., Çelik S., Kurap G., Özel A., Basaran S.  
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- V. **The effects of conformation and intermolecular hydrogen bonding on the structure and IR spectra of flutamide; a study based on the matrix isolation technique, ab initio and DFT calculations**  
Arman C., Balci K., Akkaya Y., Akyuz S., Reaves-Mckee T., Frankamp A. H., Coates J. T., Collier W. B., Ritzhaupt G., Klehm C. E., et al.

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- VII. **Molecular docking of the pentapeptide derived from rice bran protein as anticancer agent inhibiting both receptor and non-receptor tyrosine kinases**  
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- VIII. **Vibrational spectroscopic characterization and structural investigations of Cepharanthine, a natural alkaloid**  
ÇELİK S., AKYÜZ S., ÖZEL A.  
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- IX. **Synthesis, vibrational spectroscopic investigation, molecular docking, antibacterial and antimicrobial studies of a new anthraquinone derivative compound**  
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- X. **Raman spectroscopic investigation of the wear effect on the titanium carbonitride/aluminum oxide/titanium nitride coated cutting tool**  
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- XI. **Structural and spectral analysis of anticancer active cyclo(Ala-His) dipeptide**  
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- XII. **Evaluation of anti-cancer and <i>anti</i>-covid-19 properties of cationic pentapeptide Glu-Gln-Arg-Pro-Arg, from rice bran protein and its D-isomer analogs through molecular docking simulations**  
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- XIII. **Structural Characterization and Drug Delivery System of Natural Growth-Modulating Peptide Against Glioblastoma Cancer**  
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- XIV. **Synthesis, FT-IR and NMR Characterization, Antibacterial and Antioxidant Activities, and DNA Docking Analysis of a New Vanillin-Derived imine Compound**  
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- XVI. **Synthesis, molecular modelling, FT-IR, Raman and NMR characterization, molecular docking and ADMET study of new nickel(II) complex with an N<sub>4</sub>-tetradentate thiosemicarbazone**  
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- XVII. **INTERACTIONS MECHANISM OF COMMONLY USED DRUGS FOR THE TREATMENT OF COVID-19**  
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- XVIII. **Synthesis, antimicrobial activity, molecular docking and ADMET study of a caprolactam-glycine cluster**  
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- XXVI. **Molecular Modeling, Dimer Calculations, Vibrational Spectra, and Molecular Docking Studies of 5-Chlorouracil**  
AKALIN E., ÇELİK S., AKYÜZ S.  
JOURNAL OF APPLIED SPECTROSCOPY, cilt.86, sa.6, ss.975-985, 2020 (SCI-Expanded)
- XXVII. ***In silico* Analysis of Sulpiride, Synthesis, Characterization and *In vitro* Studies of its Nanoparticle for the Treatment of Schizophrenia**  
KECEL GÜNDÜZ S., KILINÇ Y., ÇAKIR R., Zorlu T., BIÇAK B., Kokcu Y., Kaya Z., ÖZEL A., AKYÜZ S.  
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- XXX. **Investigation of adsorption of 5-Chlorouracil onto montmorillonite: An IR and Raman spectroscopic study**  
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- XXXI. **Structural analysis, spectroscopic characterization and molecular docking studies of the cyclic heptapeptide**  
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- XXXII. **Investigations of Archaeological Glass Bracelets and Perfume Bottles Excavated in Ancient Ainos (Enez) by Multiple Analytical Techniques**  
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- XXXIII. **FTIR Spectroscopy of Protein Isolates of Salt-Tolerant Soybean Mutants**  
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- XXXVII. **Investigations of historical textiles from the Imperial Pavilion (Hunkar Kasri) of the new mosque Eminonu-Istanbul (Turkey) by multiple analytical techniques**  
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- XXXVIII. **Investigations on Empire series postage stamps of Ottomans (printed 1880-1890) by vibrational spectroscopic and energy dispersive X-ray fluorescence techniques**  
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- XL. **The effects of conformation and zwitterionic tautomerism on the structural and vibrational spectral data of anserine**  
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- XLI. **Comparative study of antitumor active cyclo(Gly-Leu) dipeptide: A computational and molecular modeling study**  
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## **Metrikler**

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