

## Doç. Dr. YUSUF SERT



### Kişisel Bilgiler

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ScopusID: 24333198100

Yoksis Araştırmacı ID: 24365



### Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2009 - 2012

Yüksek Lisans, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli),

Türkiye 2005 - 2008

Lisans, Süleyman Demirel Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye

2001 - 2005

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, 8b58Ni reaksiyonunun 2- ve 3-cisim yaklaşımları kullanılarak incelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012

Yüksek Lisans, Hatree-fock (HF) ve yoğunluk fonksiyon teori (DFT) metotlarıyla 2-, 3- ve 4- triflorometilbenzaldehit moleküllerinin titreşimsel analizleri ve moleküler yapıları, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2008

### Araştırma Alanları

Fizik, Kimya

### Akademik Unvanlar / Görevler

Doç. Dr., Yozgat Bozok Üniversitesi, Sorgun Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2013 - Devam Ediyor

Araştırma Görevlisi, Yozgat Bozok Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2007 - 2013

## Akademik İdari Deneyim

Yozgat Bozok Üniversitesi, 2014 - 2016

Yozgat Bozok Üniversitesi, 2013 - 2014

## Verdiği Dersler

FİZİK, Ön Lisans, 2023 - 2024

MÜHENDİSLİK BİLİMİ, Ön Lisans, 2023 - 2024

MUKAVEMET, Ön Lisans, 2023 - 2024

OTOMOTİV ELEKTRİĞİ, Ön Lisans, 2023 - 2024

OTO103 MESLEKİ MATEMATİK I, Ön Lisans, 2017 - 2018

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İNT107 FİZİK, Ön Lisans, 2015 - 2016

FİZ568 NÜKLEER SPEKTROSKOPİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ540 NÜKLEER FİZİK II, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ8XX UZMANLIK ALAN DERSİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

FİZ569 NÜKLEER REAKSİYON DİNAMİĞİ, Yüksek Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014

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## Yönetilen Tezler

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Ait Elmachkouri Y., SERT Y., Irrou E., Anouar E. H., Ouachtak H., Mague J. T., Sebbar N. K., Essassi E. M., Labd Taha M.  
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- IX. **Synthesis, Crystal Structure, Hirshfeld Surface Analysis, Molecular Docking, IR Spectroscopy and DFT Calculations of a Novel 2D Layered Hybrid Compound (C<sub>6</sub>H<sub>10</sub>N<sub>3</sub>O)(<sub>2</sub>)Cu<sub>2</sub>Cl<sub>6</sub>**  
Gharbi C., SERT Y., Cinar E. B., Boehme U., DEGE N., Ben Nasr C., Khedhiri L.  
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- X. **Metal-Free Synthesis via Intramolecular Cyclization, Enzyme Inhibition Properties and Molecular Docking of Novel Isoindolinones**  
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Jawad W. A., Balakit A. A., Al-Jibouri M. N. A., SERT Y., Obies M.  
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- XIII. **New Heterocyclic Compound as Carbon Steel Corrosion Inhibitor in 1 M H<sub>2</sub>SO<sub>4</sub>, High Efficiency at Low Concentration: Experimental and Theoretical Studies**  
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- XIV. **Triad pyrazole-thiazole-coumarin heterocyclic core effectively inhibit HSP and drive cancer cells to apoptosis**  
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- XV. **Structure Elucidation, Hirshfeld Surface Analysis, Molecular Docking and Computational Studies of a Jahn-Teller Distorted Octahedral Cobalt (II) Complex with Saccharin Ligand**  
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- XVI. **Computational Study of a Novel Compound with Thioether-Bridge**  
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- XVII. **Synthesis, alpha-Glucosidase Inhibition, Anticancer, DFT and Molecular Docking Investigations of Pyrazole Hydrazone Derivatives**  
Karrouchi K., SERT Y., Ansar M., Radi S., El Bali B., Imad R., Alam A., Irshad R., Wajid S., Altaf M.  
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- XVIII. **Synthesis, molecular docking, molecular dynamics and evaluation of Drug-Likeness properties of the fused N-Formyl pyrazoline substituted new dehydroepiandrosterone derivatives**

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- XIX. **Synthesis, crystal structure, DFT, Hirshfeld surface analysis, energy framework, docking and molecular dynamic simulations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one as anticancer agent**  
El Kalai F., Çınar E. B., SERT Y., Alhaji Isa M., Lai C., Buba F., Dege N., Benchat N., Karrouchi K.  
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- XX. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1**  
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- XXI. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**  
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- XXII. **Tautomeric, spectroscopic, electronic and NLO analyses of purpald (4-amino-3-hydrazino-5-mercapto-1,2,4-triazole)**  
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- XXIII. **Synthesis, DFT study, molecular docking and drug-likeness analysis of the heteroaryl substituted new pregnenolone derivatives**  
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- XXIV. **One-step synthesis of novel N1-substituted benzimidazole derivatives: Experimental and theoretical investigations**  
Al Garadi W., SERT Y., El Hafi M., El Ibrahim B., Ramli Y., Mague J. T., El Ghayati L., Sebbar N. K., Essassi E. M.  
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- XXV. **Pyrazolyl-Benzoxazinone Derivatives as Dual Hsp Inhibitors in Human Breast Cancer**  
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- XXVI. **Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies**  
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- XXVII. **Quantum Computational Investigation of (E)-1-(4-methoxyphenyl)-5-methyl-N'-(3-phenoxybenzylidene)-1H-1,2,3-triazole-4-carbohydrazide**  
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- XXVIII. **Quantum computational, spectroscopic investigations on N-(2-((2-chloro-4,5-dicyanophenyl)amino)ethyl)-4-methylbenzenesulfonamide by DFT/TD-DFT with different solvents, molecular docking and drug-likeness researches**  
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- XXX. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterizations and quantum computational assessments of 1-hydroxy-3-methyl-11H-pyrido[2,1-b]quinazolin-11-one**  
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- XXXI. **Synthesis, antiproliferative activity, molecular docking studies of hydrazone functionalised thioparabanic acid and rhodanine analogues**  
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- XXXIII. **New tetrazoles compounds incorporating galactose moiety: Synthesis, crystal structure, spectroscopic characterization, Hirshfeld surface analysis, molecular docking studies, DFT calculations and anti-corrosion property anticipation**  
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- XXXIV. **Synthesis, spectroscopic characterization, DFT, molecular docking and in vitro antibacterial potential of novel quinoline derivatives**  
Bouzian Y., SERT Y., Khalid K., Van Meervelt L., Chkirate K., Mahi L., Ahabchane N. H., Talbaoui A., Essassi E. M.  
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- XXXV. **DFT, Molecular Docking and Drug-likeness Analysis: Acrylate molecule bearing perfluorinated pendant unit**  
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- XXXVI. **A research on structural vibrational, surface characterization of 2-methyl-3-{5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-yl}-4H-pyrido[1,2-a]pyrimidin-4-one hydrate: SCXRD, FT-IR, MEP, Hirshfeld and molecular docking studies**  
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- XXXVII. **Structural, spectral, electronic, and molecular docking investigations on N,N-dimethyl-2-[(1E)-{[(methylsulfanyl)methanethioyl]amino}imino)methyl]aniline**  
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- XXXVIII. **5-((1H-imidazol-1-yl)methyl)quinolin-8-ol as potential antiviral SARS-CoV-2 candidate: Synthesis, crystal structure, Hirshfeld surface analysis, DFT and molecular docking studies**  
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- XXXIX. **New alkyl (cyclohexyl) 2-oxo-1-(prop-2-yn-1-yl)-1, 2-dihydroquinoline-4-carboxylates: Synthesis, crystal structure, spectroscopic characterization, hirshfeld surface analysis, molecular docking studies and DFT calculations**  
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- XL. **Synthesis, structural, molecular docking and spectroscopic studies of (E)-N'-(4-methoxybenzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide**  
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- XLI. **Syntheses of novel 1,5-benzodiazepine derivatives: Crystal structures, spectroscopic characterizations, Hirshfeld surface analyses, molecular docking studies, DFT calculations, corrosion inhibition anticipation, and antibacterial activities**  
El Ghayati L., SERT Y., Sebbar N. K., Ramli Y., Ahabchane N. H., Talbaoui A., Mague J. T., El Ibrahim B., Taha M. L., Essassi E. M., et al.

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- XLIII. **Corrosion inhibition of carbon steel in 1 M H<sub>2</sub>SO<sub>4</sub> using new Azo Schiff compound: Electrochemical, gravimetric, adsorption, surface and DFT studies**  
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- XLIV. **Synthesis, spectrophotometric and DFT studies of new Triazole Schiff bases as selective naked-eye sensors for acetate anion**  
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- XLV. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterization, and quantum computational evaluation of (E)-2-(((4-bromophenyl)imino)methyl)-6-methylphenol**  
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- XLVI. **DFT, molecular docking and experimental FT-IR, laser-Raman, NMR and UV investigations on a potential anticancer agent containing triazole ring system**  
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- XLVII. **Synthesis, spectroscopic characterization, crystal structure, DFT, molecular docking and in vitro antibacterial potential of novel quinoline derivatives**  
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- XLVIII. **Spectral, DFT/B3LYP and molecular docking analyses on ethyl 2-(5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7-yl)pent-4-enoate**  
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- XLIX. **A new series of sulfa drugs containing pyrazolyl acylthiourea moiety: Synthesis, experimental and theoretical spectral characterization and molecular docking studies**  
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- L. **Hirshfeld Surface analysis, spectroscopic, biological studies and molecular docking of (4E)-4-((naphthalen-2-yl)methyleneamino)-1,2-dihydro-2,3-dimethyl-1-phenylpyrazol-5-one**  
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- LI. **Syntheses of N-substituted benzimidazolone derivatives: DFT calculations, Hirshfeld surface analysis, molecular docking studies and antibacterial activities**  
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- LII. **Theoretical and experimental spectroscopic studies, XPS analysis, dimer interaction energies and molecular docking study of 5-(adamantan-1-yl)-N-methyl-1,3,4-thiadiazol-2-amine**  
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- LIII. **Molecular docking, Hirshfeld surface analysis and spectroscopic investigations of 1-(adamantan-1-yl)-3-(4-fluorophenyl)thiourea: A potential bioactive agent**  
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- LIV. **Hirshfeld Surface, Molecular Docking Study, Spectroscopic Characterization and NLO Profile of 2-**

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- LV. **Synthesis, crystal structure, spectroscopic characterization, Hirshfeld surface analysis, molecular docking studies and DFT calculations, and antioxidant activity of 2-oxo-1,2-dihydroquinoline-4-carboxylate derivatives**  
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- LVI. **Combined experimental and theoretical investigations on a half-sandwich organometallic Os(II) complex**  
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## Metrikler

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