Assoc. Prof. YUSUF SERT

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2009 - 2012
Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey 2005 - 2008
Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, 8b58Ni reaksiyonunun 2- ve 3-cisim yaklaşımları kullanılarak incelenmesi, Erciyes University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2012
Postgraduate, Hatree-fock (HF) ve yoğunluk fonksiyon teori (DFT) metotlarıyla 2-, 3- ve 4- triflorometilbenzaldehit moleküllerinin titreşimsel analizleri ve moleküler yapıları, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), 2008

Research Areas

Physics, Chemistry

Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Sorgun Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2013 - Continues
Research Assistant, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik, 2007 - 2013

Academic and Administrative Experience

Yozgat Bozok University, 2014 - 2016
Yozgat Bozok University, 2013 - 2014

Courses

FİZİK, Associate Degree, 2023 - 2024
MÜHENDİSLİK BİLİMİ, Associate Degree, 2023 - 2024
MUKAVEMET, Associate Degree, 2023 - 2024
OTOMOTİV ELEKTRİĞİ, Associate Degree, 2023 - 2024
OTO103 MESLEKİ MATEMATİK I, Associate Degree, 2017 - 2018
OTO104 MESLEKİ MATEMATİK II, Associate Degree, 2017 - 2018
OTO101 FİZİK, Associate Degree, 2017 - 2018
OTOs102 MESLEKİ İNGİLİZCE I, Associate Degree, 2017 - 2018
İNT107 FİZİK, Associate Degree, 2015 - 2016
FİZ568 NÜKLEER SPEKTROSKOPİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
FİZ540 NÜKLEER FİZİK II, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
FİZ8XX UZMANLIK ALAN DERSİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
FİZ569 NÜKLEER REAKSİYON DİNAMİĞİ, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
FİZ539 NÜKLEER FİZİK I, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

Advising Theses

SERT Y., Zayıf bağlı çekirdeklerin elastik saçılmasının optik model yaklaşımıyla incelenmesi, Postgraduate, R.YEGİN(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Synthesis of novel carbazole hydrazine-carbothioamide scaffold as potent antioxidant, anticancer and antimicrobial agents**
ÇAPAN İ., Hawash M., Qaoud M. T., Gülüm L., Tunoglu E. N. Y., Çifci K., ÇEVRİMLİ B. S., SERT Y., Servi S., KOCA İ., et al.
BMC Chemistry, vol.18, no.1, 2024 (SCI-Expanded)

II. **Designing a new bio-active copper(II)-triazole ester type complex based on copper(II)-catalyzed reaction**
Jaafar M. I., Ahmed R. K., Al-Karawi A. J. M., OmarAli A. B., Kansız S., SERT Y., Dege N.
Polyhedron, vol.256, 2024 (SCI-Expanded)

III. **Deciphering the Biophysical Properties of Ion Channel Gating Pores by Coumarin–Benzodiazepine Hybrid Derivatives: Selective AMPA Receptor Antagonists**
Qneibi M., Hawash M., Gümüş M., Çapan İ., Sert Y., Bdir S., Koca İ., Bdair M.
Molecular Neurobiology, vol.61, no.7, pp.4565-4576, 2024 (SCI-Expanded)

IV. **Synthesis and biological studies of pyrimidine derivatives targeting metabolic enzymes**
Korkusuz E., Sert Y., Arslan S., Aydın H., Yıldırım İ., Demir Y., Gülçin İ., Koca İ.
ARCHIV DER PHARMAZIE, vol.2300634, pp.1-17, 2024 (SCI-Expanded)

V. **Synthesis, X-Ray Diffraction, Spectroscopic Characterization, Hirshfeld Surface Analysis, Molecular Docking Studies, and DFT Calculation of New Pyrazolone Derivatives**
Ait Elmachkouri Y., SERT Y., Irrou E., Anouar E. H., Ouachtak H., Mague J. T., Sebbar N. K., Essassi E. M., Labd Taha M.
Polycyclic Aromatic Compounds, vol.44, no.4, pp.2598-2619, 2024 (SCI-Expanded)

VI. **Designing of two new cadmium(II) complexes as bio-active materials: Synthesis, X-ray crystal structures, spectroscopic, DFT, and molecular docking studies**
OmarAli A. B., Ahmed R. K., Al-Karawi A. J. M., Marah S., Kansız S., SERT Y., Jaafar M. I., DEGE N., POYRAZ E. B., Ahmed A. M., et al.
Journal of Molecular Structure, vol.1290, 2023 (SCI-Expanded)

VII. **Synthesis of novel pyrazole-4-carboxylates by rearrangement reaction: Experimental and theoretical characterization**
Korkusuz E., SERT Y., ŞAHİN E., Yıldırım İ., KOCA İ.
Journal of Physics and Chemistry of Solids, vol.181, 2023 (SCI-Expanded)

VIII. **Heterojunction solar cell based on donor–acceptor pi-conjugated naphthalene bisbenzimidazole, perylene bisbenzimidazole, and naphthalene imidazole: A spectroscopic, microscopic and DFT assessment**
ÜNSALAN O., SERT Y., ALTUNAYAR ÜNSALAN Ç., Erten-Ela S.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.294, 2023 (SCI-Expanded)

IX. **Synthesis, Crystal Structure, Hirshfeld Surface Analysis, Molecular Docking, IR Spectroscopy and DFT Calculations of a Novel 2D Layered Hybrid Compound (C6H10N3O)(2)Cu2Cl6**
Gharbi C., SERT Y., Cinar E. B., Boehme U., DEGE N., Ben Nasr C., Khedhiri L.
JOURNAL OF CLUSTER SCIENCE, vol.34, no.3, pp.1423-1435, 2023 (SCI-Expanded)

X. **Metal-Free Synthesis via Intramolecular Cyclization, Enzyme Inhibition Properties and Molecular Docking of Novel Isoindolinones**
ATMACA U., Saglamtas R., SERT Y., ÇELİK M., GÜLÇİN İ.
ChemistrySelect, vol.8, no.9, 2023 (SCI-Expanded)

XI. **Using tea bag filter as a sufficient cellulosic membrane for removal of Safranin-O dye from water: adsorption and density functional theory studies**
Al-Kinani E. M., Hadi S. A., Hamud W. M., Al-Karawi A. J. M., Ahmed R. K., Kansiz S., SERT Y.
Desalination and Water Treatment, vol.287, pp.233-244, 2023 (SCI-Expanded)

XII. **Design, synthesis, characterization, antioxidant, antiproliferative activity and molecular docking studies of new transition metal complexes of 1,2,4-triazole as combretastatin A-4 analogues**
Jawad W. A., Balakit A. A., Al-Jibouri M. N. A., SERT Y., Obies M.
Journal of Molecular Structure, vol.1274, 2023 (SCI-Expanded)

XIII. **New Heterocyclic Compound as Carbon Steel Corrosion Inhibitor in 1 M H2SO4, High Efficiency at Low Concentration: Experimental and Theoretical Studies**
Allah M. A. A. H., Balakit A. A., Salman H. I., Abdulridha A. A., SERT Y.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.37, no.3, pp.525-547, 2023 (SCI-Expanded)

XIV. **Triad pyrazole–thiazole–coumarin heterocyclic core effectively inhibit HSP and drive cancer cells to apoptosis**
Gümüş M., Koca İ., Sert Y., Dişli A., Yenilmez Tunoğlu E. N., Tutar L., Tutar Y.
Journal of Biomolecular Structure and Dynamics, vol.41, no.23, pp.14382-14397, 2023 (SCI-Expanded)

XV. **Structure Elucidation, Hirshfeld Surface Analysis, Molecular Docking and Computational Studies of a Jahn-Teller Distorted Octahedral Cobalt (II) Complex with Saccharin Ligand**
Mohammed H. A., SERT Y., Albayati M. R., DEGE N., ŞEN F.
POLYCYCLIC AROMATIC COMPOUNDS, vol.43, no.5, pp.4396-4406, 2023 (SCI-Expanded)

XVI. **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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XVII. **Synthesis, molecular docking, molecular dynamics and evaluation of Drug-Likeness properties of the fused N-Formyl pyrazoline substituted new dehydroepiandrosterone derivatives**
ÇAPAN İ., Shehu A., SERT Y., ÇELİK İ., EROL M., KOCA İ., Servi S.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.6, pp.2492-2503, 2023 (SCI-Expanded)

XVIII. **Computational Study of a Novel Compound with Thioether-Bridge**

Şen F., Cukurovalı A., Sert Y.
Polycyclic Aromatic Compounds, vol.43, no.10, pp.8632-8652, 2023 (SCI-Expanded)

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.
Journal of Biomolecular Structure and Dynamics, vol.41, no.21, pp.11578-11597, 2023 (SCI-Expanded)

XX. **Experimental and computational studies of 1,5-diphenyl-pyrazole-3-carboxamide compounds as potential Cannabinoid receptor type 1**
KOCA İ., YAKAN M., ÇAPAN İ., ŞAHİN E., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)

XXI. **Utilization of pyrazole-perimidine hybrids bearing different substituents as corrosion inhibitors for 304 stainless steel in acidic media**
Ugus O., GÜMÜŞ M., SERT Y., KOCA İ., KOCA A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1262, 2022 (SCI-Expanded)

XXII. **Tautomeric, spectroscopic, electronic and NLO analyses of purpald (4-amino-3-hydrazino-5-mercapto-1,2,4-triazole)**
GÖKCE H., Ceylan S., ÖZTÜRK N., SERT Y.
MATERIALS TODAY COMMUNICATIONS, vol.32, 2022 (SCI-Expanded)

XXIII. **One-step synthesis of novel N1-substituted benzimidazole derivatives: Experimental and theoretical investigations**
Al Garadi W., SERT Y., El Hafi M., El Ibrahimi B., Ramli Y., Mague J. T., El Ghayati L., Sebbar N. K., Essassi E. M.
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.59, no.7, pp.1213-1229, 2022 (SCI-Expanded)

XXIV. **Synthesis, DFT study, molecular docking and drug-likeness analysis of the heteroaryl substituted new pregnenolone derivatives**
ÇAPAN İ., SERT Y., Shehu A., KOCA İ., SERVİ S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1260, 2022 (SCI-Expanded)

XXV. **Pyrazolyl-Benzoxazinone Derivatives as Dual Hsp Inhibitors in Human Breast Cancer**
KOCA İ., Kamaci V., ÖZSOY C., SERT Y., Kani I., Tutar L., Tutar Y.
CHEMISTRYSELECT, vol.7, no.19, 2022 (SCI-Expanded)

XXVI. **Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies**
Kansiz S., Tolan A., Azam M., Dege N., Alam M., SERT Y., Al-Resayes S., Icbudak H.
POLYHEDRON, vol.218, 2022 (SCI-Expanded)

XXVII. **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**
DEGE N., GÖKCE H., Dogan O. E., ALPASLAN G., Agar T., Muthu S., SERT Y.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.638, 2022 (SCI-Expanded)

XXVIII. **Quantum Computational Investigation of (E)-1-(4-methoxyphenyl)-5-methyl-N '-(3-phenoxybenzylidene)-1H-1,2,3-triazole-4-carbohydrazide**
Gökce H., Şen F., Sert Y., Abdel-Wahab B. F., Kariuki B. M., El-Hiti G. A.
MOLECULES, vol.27, no.7, 2022 (SCI-Expanded)

XXIX. **Synthesis and inhibition profiles of N-benzyl- and N-allyl aniline derivatives against carbonic anhydrase and acetylcholinesterase - A molecular docking study**
Mahmudov I., Demir Y., SERT Y., Abdullayev Y., Sujayev A., Alwasel S. H., GÜLÇİN İ.
ARABIAN JOURNAL OF CHEMISTRY, vol.15, no.3, 2022 (SCI-Expanded)

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**
Lahmidi S., SERT Y., ŞEN F., El Hafi M., Ettahiri W., Gokce H., Essassi E. M., Mague J. T., UCUN F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1249, 2022 (SCI-Expanded)

XXXI. **Synthesis, antiproliferative activity, molecular docking studies of hydrazone functionalised thioparabanic acid and rhodanine analogues**
KIBRIZ İ. E., AKKOÇ S., SERT Y., Cay U., ÜNGÖREN Ş. H.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.197, no.9, pp.918-926, 2022 (SCI-Expanded)

XXXII. **Discovery of sulfadrug-pyrrole conjugates as carbonic anhydrase and acetylcholinesterase inhibitors**
Gümüş M., Babacan S. N., Demir Y., Sert Y., Koca İ., Gülçin İ.
ARCHIV DER PHARMAZIE, vol.355, no.1, 2022 (SCI-Expanded)

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**
Sghyar R., SERT Y., El Ibrahimi B., Moussaoui O., Hadrami E. M. E. L., Ben-Tama A., Mague J. T., Talbaoui A., Kheira Sebbar N., Essassi E. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1247, 2022 (SCI-Expanded)

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.
JOURNAL OF MOLECULAR STRUCTURE, vol.1246, 2021 (SCI-Expanded)

XXXV. **DFT, Molecular Docking and Drug-likeness Analysis: Acrylate molecule bearing perfluorinated pendant unit**
Soykan U., Sert Y., Yildirim G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1244, 2021 (SCI-Expanded)

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**
Lahmidi S., Şen F., Sert Y., Ucun F., Essassi E. M., Magued J. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1235, 2021 (SCI-Expanded)

XXXVII. **Structural, spectral, electronic, and molecular docking investigations on N,N-dimethyl-2-[(1E)-({[(methylsulfanyl)methanethioyl]amino}imino)methyl]aniline**
Bingol Alpaslan Y., SERT Y., Sohtun W. P., Velusamy M., GÖKCE H.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.68, no.6, pp.971-988, 2021 (SCI-Expanded)

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**
Douche D., SERT Y., Brandan S. A., Kawther A. A., Bilmez B., DEGE N., Louzi A. E., Bougrin K., Karrouchi K., Himmi B.
JOURNAL OF MOLECULAR STRUCTURE, vol.1232, 2021 (SCI-Expanded)

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**
Hayani S., SERT Y., Filali Y., Benhiba F., Chahdi F. O., Laraqui F., Mague J. T., El Ibrahimi B., Sebbar N. K., Rodi Y. K., et al.
JOURNAL OF MOLECULAR STRUCTURE, vol.1227, 2021 (SCI-Expanded)

XL. **Synthesis, structural, molecular docking and spectroscopic studies of (E)-N'-(4-methoxybenzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide**
Karrouchi K., Brandan S. A., SERT Y., El Karbane M., Radi S., Ferbinteanu M., Garcia Y., Ansar M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1225, 2021 (SCI-Expanded)

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 Ibrahimi B., Taha M. L., Essassi E. M., et al.

JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.1, pp.270-289, 2021 (SCI-Expanded)

XLII. **Synthesis, X-ray structure, vibrational spectroscopy, DFT, biological evaluation and molecular docking studies of (E)-N'-(4-(dimethylamino)benzylidene)-5-methyl-1H-pyrazole-3-carbohydrazide**
Karrouchi K., Brandan S. A., SERT Y., El-marzouqi H., Radi S., Ferbinteanu M., Faouzi M. E. A., Garcia Y., Ansar M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1219, 2020 (SCI-Expanded)

XLIII. **Synthesis, spectrophotometric and DFT studies of new Triazole Schiff bases as selective naked-eye sensors for acetate anion**
Balakit A. A., Makki S. Q., SERT Y., UCUN F., Alshammari M. B., Thordarson P., El-Hiti G. A.
SUPRAMOLECULAR CHEMISTRY, vol.32, no.10, pp.519-526, 2020 (SCI-Expanded)

XLIV. **Corrosion inhibition of carbon steel in 1 M H2SO4 using new Azo Schiff compound: Electrochemical, gravimetric, adsorption, surface and DFT studies**
Abdulridha A. A., Allah M. A. A. H., Makki S. Q., SERT Y., Salman H. E., Balakit A. A.
JOURNAL OF MOLECULAR LIQUIDS, vol.315, 2020 (SCI-Expanded)

XLV. **Synthesis, crystal structure, Hirshfeld surface analysis, spectral characterization, and quantum computational evaluation of (E)-2-(((4-bromophenyl)imino)methyl)-6-methylphenol**
SERT Y., Dogan O. E., GÖKCE H., Agar T., UCUN F., DEGE N.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.144, 2020 (SCI-Expanded)

XLVI. **DFT, molecular docking and experimental FT-IR, laser-Raman, NMR and UV investigations on a potential anticancer agent containing triazole ring system**
SERT Y., El-Hiti G. A., GÖKCE H., UCUN F., Abdel-Wahab B. F., Kariuki B. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1211, 2020 (SCI-Expanded)

XLVII. **Synthesis, spectroscopic characterization, crystal structure, DFT, molecular docking and in vitro antibacterial potential of novel quinoline derivatives**
Bouzian Y., Karrouchi K., SERT Y., Lai C., Mahi L., Hamou Ahabchane N., Talbaoui A., Mague J. T., Essassi E. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1209, 2020 (SCI-Expanded)

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**
SERT Y., Lahmidi S., El Hafi M., GÖKCE H., Essassi E. M., Ejjoumamany A., Mague J. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)

XLIX. **A new series of sulfa drugs containing pyrazolyl acylthiourea moiety: Synthesis, experimental and theoretical spectral characterization and molecular docking studies**
KOCA İ., Yigitcan S., GÜMÜŞ M., GÖKCE H., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)

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**
Eltayeb N. E., ŞEN F., Lasri J., Hussien M. A., Elsilk S. E., Babgi B. A., GÖKCE H., SERT Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)

LI. **Syntheses of N-substituted benzimidazolone derivatives: DFT calculations, Hirshfeld surface analysis, molecular docking studies and antibacterial activities**
Saber A., Sebbar N. K., SERT Y., Alzaqri N., HÖKELEK T., El Ghayati L., Talbaoui A., Mague J. T., Baba Y. F., Urrutigoity M., et al.
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (SCI-Expanded)

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**
Al-Wahaibi L. H., SERT Y., UCUN F., Al-Shaalan N. H., Alsfouk A., El-Emam A. A., KARAKAYA M.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.135, 2019 (SCI-Expanded)

LIII. **Molecular docking, Hirshfeld surface analysis and spectroscopic investigations of 1-(adamantan-1-yl)-3-(4-fluorophenyl)thiourea: A potential bioactive agent**
SERT Y., Al-Wahaibi L. H., GÖKCE H., Hassan H. M., Alsfouk A., El-Emam A. A.
CHEMICAL PHYSICS LETTERS, vol.735, 2019 (SCI-Expanded)

LIV. **Hirshfeld Surface, Molecular Docking Study, Spectroscopic Characterization and NLO Profile of 2-**

Methoxy-4,6-Diphenylnicotinonitrile
GÖKCE H., SERT Y., ALPASLAN G., El-Azab A. S., Alanazi M. M., Al-Agamy M. H. M., Abdel-Aziz A. A. -.
CHEMISTRYSELECT, vol.4, no.33, pp.9857-9870, 2019 (SCI-Expanded)

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**
Filali Baba Y., SERT Y., Kandri Rodi Y., Hayani S., Mague J. T., Prim D., Marrot J., Ouazzani Chandi F., Kheira Sebbar N., Essassi E. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1188, pp.255-268, 2019 (SCI-Expanded)

LVI. **Combined experimental and theoretical investigations on a half-sandwich organometallic Os(II) complex**
SERT Y., Clayton H. S., GÖKCE H., Tapala K. C.
JOURNAL OF MOLECULAR STRUCTURE, vol.1188, pp.86-98, 2019 (SCI-Expanded)

LVII. **Molecular docking and vibrational spectroscopy studies of (E)-N '-hydroxy-1,3-diphenyl-4,5-dihydro-1H-pyrazole-5-carboximidamide**
SERT Y., GÖKCE H., Chandra C., Mahendra M., Srikantamurthy N., ÇIRAK Ç.
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.79-91, 2019 (SCI-Expanded)

LVIII. **Molecular Structure, DFT, Vibrational Spectra with Fluorescence Effect, Hirshfeld Surface, Docking Simulation and Antioxidant Activity of Thiazole Derivative**
Khamees H. A., Mohammed Y. H. E., Swamynayaka A., Al-Ostoot F. H., SERT Y., Alghamdi S., Khanum S. A., Madegowda M.
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LIX. **Synthesis, Experimental and Theoretical Characterization of Novel Pyrimidine-5-Carboxamides**
GÜMÜŞ M., SERT Y., Yalkin A., GÖKCE H., KOCA İ.
CHEMISTRYSELECT, vol.4, no.16, pp.4695-4708, 2019 (SCI-Expanded)

LX. **Structural, Spectroscopic, Electronic and Molecular Docking Studies on (11R,12 S)-16-Aminotetracyclo[6.6.2.0(2,7).0(9,14)]hexadeca-2(7),3,5,9(14),10,12-hexaen-15-ol**
KAYA S., GÖKCE H., El-Azab A. S., SERT Y., Alanazi M. M., ÖZTÜRK N., Al-Agamy M. H. M., Abdel-Aziz A. A.
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LXI. **Experimental and theoretical investigations on structural, spectroscopic, electronic and thermodynamic properties of (adamantan-1-yl)(phenylsulfanyl)methanone**
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Sert Y., Project Supported by Higher Education Institutions, Yeni Pirazol Türevi Moleküllerin Sentezi COX İnhibitörü Olarak Değerlendirilmesi, 2024 - 2026
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