



Prof. Dr. Necmi Dege

Kişisel Bilgiler

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ScopusID: 57201620841

Yoksis Araştırmacı ID: 44772



Biyografi

It is a great honor that my name has been listed in the World Ranking of Top 2% Scientists in the October 2023 updated database, made at the Stanford University. Stanford University has recently published an update of the list of the top 2% most widely cited scientists in various disciplines, which is considered to be the most prestigious ranking in the world. The selection is based on the top 100,000 scientists by c-score (with and without self-citations) or a percentile rank of 2% or above in the sub-field. This version (6) is based on the October 1, 2023 snapshot from Scopus, updated to end of citation year 2022. This work uses Scopus data provided by Elsevier through ICSR Lab (<https://www.elsevier.com/icsr/icsrlab>). Calculations were performed using all Scopus author profiles as of October 1, 2023. <https://doi.org/10.17632/btchxktzyw.6>

Adımın, Stanford Üniversitesi'nin Ekim 2023'te güncellenen veri tabanında En İyi %2 Bilim Adamı Dünya Sıralamasında yer alması büyük bir onur. Stanford Üniversitesi yakın zamanda, dünyanın en prestijli sıralaması olarak kabul edilen, çeşitli disiplinlerde en çok alıntı yapılan bilim adamlarının ilk %2'lik listesinin bir güncellemesini yayınladı. Seçim, c-puanı (kendinden alıntılı veya alıntısız) veya alt alanda %2 veya üzeri yüzdellik dilime göre ilk 100.000 bilim insanına dayanmaktadır. Bu sürüm (6), Scopus'un 1 Ekim 2023 tarihli anlık görüntüsüne dayanmaktadır ve alıntı yılı 2022'nin sonuna kadar güncellenmiştir. Bu çalışma, Elsevier tarafından ICSR Lab (<https://www.elsevier.com/icsr/icsrlab>) aracılığıyla sağlanan Scopus verilerini kullanır. Hesaplamalar 1 Ekim 2023 itibarıyla tüm Scopus yazar profilleri kullanılarak yapılmıştır. <https://doi.org/10.17632/btchxktzyw.6>

Eğitim Bilgileri

1991 - 1994	Doktora, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye
1986 - 1990	Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Y) (Tezli), Türkiye
1982 - 1986	Lisans, Ondokuz Mayıs Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Türkiye

Yabancı Diller

Yaptığı Tezler

1994	Anizotropik ortam içindeki elipsoidal parçacığın elastik zorlanma enerjisi, Ondokuz Mayıs Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Doktora
1989	Elastik zorlanma enerjisinin fourier dönüşümü yöntemi ile hesaplanması, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Y) (Tezli), Yüksek Lisans

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

2024 - Devam Ediyor	Prof. Dr., Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
2018 - 2024	Doç. Dr., Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
1998 - 2017	Yrd. Doç. Dr., Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
1996 - 1998	Yrd. Doç. Dr., Ondokuz Mayıs Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü
1986 - 1996	Araştırma Görevlisi, Ondokuz Mayıs Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü

Akademik İdari Deneyim

2022 - 2024	Fakülte Yönetim Kurulu Üyesi, Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
2022 - 2024	Fakülte Akademik Kurul Üyesi, Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
2015 - 2024	Bölüm Başkan Yardımcısı, Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü

Verdiği Dersler

2021 - 2022	Modern Fizik, Lisans
2021 - 2022, 2019 - 2020	Kristalografide Paket Programlar, Yüksek Lisans
2021 - 2022	Elektronik Laboratuvarı, Lisans
2021 - 2022	Optik, Lisans
2021 - 2022	Kristalografi I, Doktora
2021 - 2022	Kristalografi, Lisans
2021 - 2022	Elektronik, Lisans
2019 - 2020	FİZİK VE GEOMETRİK OPTİK I, Ön Lisans
2019 - 2020, 2015 - 2016	FİZİK II, Lisans
2019 - 2020, 2015 - 2016	MODERN FİZİK (FEN FAK-FİZİK BÖL.), Lisans
2016 - 2017	FİZİK VE GEOMETRİK OPTİK II, Lisans
2016 - 2017	Fizik Ve Geometrik Optik I, Lisans
2015 - 2016	FİZİK I, Lisans

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Acetylcholine and butyrylcholine esterase inhibitory potential of newly synthesized halogenated compounds: In vitro, in silico and MD simulation**
Yesilbag S., Raza M. A., Sandhu Z. A., Farwa U., Poyraz E. B., Iqbal B., Islam M. S., Almutairi T. M., Ağar E., Dege N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1321, 2025 (SCI-Expanded)
- II. **Experimental and theoretical studies of pyrazole-4-carbaldehyde derivatives by X-ray crystallography, DFT, molecular docking, and molecular dynamics simulation**
Abdulaziz F., Jamal A., Faizi M. S. H., Peedikakkal A. M. P., Hussain A., Al-Busaidi I. J., Dege N., Alenezi K. M., Haque A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1321, 2025 (SCI-Expanded)
- III. **4-amino-5-(pyridin-4-yl)-4H-1,2,4-triazole-3-thiol as potent antimicrobial agent: Synthesis, X-ray, antimicrobial activity and computational studies**
Rouzi K., Brandan S. A., El Houssni I., Poyraz E. B., El Hassani I. A., Dege N., Abuelizz H. A., Oulmidi A., Bouatia M., Karrouchi K.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1320, 2025 (SCI-Expanded)
- IV. **Synthesis, structure, spectra, NLO behavior, and in-silico study on anti-tumor and anti-tuberculosis efficacy of (Z)-3-((Z)-3-phenylallylidene) benzo[4,5]imidazo[1,2-c]thiazole-1(3H)-thione**
Rahmani R., Djafri A., Khaldi H., Megrouss Y., Guerroudj A. R., Dege N., Djafri A., Chouaih A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1320, 2025 (SCI-Expanded)
- V. **Crystal structure, Hirshfeld surface analysis, computational study and molecular docking simulation of 4-aminoantipyrine derivative**
Tahir M. N., Ashfaq M., Feizi-Dehneyebi M., Munawar K. S., Atalay S. e., Dege N., Guliyeva N., Sultan A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1320, 2025 (SCI-Expanded)
- VI. **The effect of complex formation on the static and frequency-dependent nonlinear optical properties: A combined experimental and theoretical investigation**
Tamer O., Simsek M., Dege N., Avci D., Atalay Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.325, 2025 (SCI-Expanded)
- VII. **Synthesis, structural analysis, and molecular docking of a novel 1,3,4-thiadiazole derivative: An experimental and molecular modeling studies**
Mostefai M., Benmohammed A., Benhalima N., Dege N., Rahmani R., Kourat O., Guerroudj A. R., Chouaih A., Djafri A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1319, 2025 (SCI-Expanded)
- VIII. **Synthesis, structure, supramolecular assembly inspection by Hirshfeld surface analysis, DFT study and molecular docking inspection of 4,5-bis (2-chlorophenyl)-8a-phenylhexahydropyrimido[4,5-d]pyrimidine-2,7 (1H,3H)-dithione**
Ahsin A., Kurbanova M., Ahmad S., Qamar A., Ashfaq M., Tahir M. N., Dege N., Sahin O., Abuelizz H. A., Al-Salahi R., et al.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1319, 2025 (SCI-Expanded)
- IX. **Elucidating the crystal structures of heteronuclear salen complexes CuL-CdX₂ 2 with experimental and computational methods**
Kargar H., Fallah-Mehrjardi M., Acar E., Poyraz E. B., Dege N., Munawar K. S.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1318, 2024 (SCI-Expanded)
- X. **Synthesis, molecular structure, Hirshfeld surface analysis, NCI-RDG, spectral characterization analysis, nonlinear optical properties, and in silico molecular docking of (E)-3-(3-(2-methoxyphenyl)-4-methylthiazol-2 (3H)-ylidene) benzo[4,5]imidazo[1,2-c]thiazole-1(3H)-thione**
Smati S., Djafri A., Menad K., Boukabcha N., Rahmani R., Goudjil M., Megrouss Y., Khaldi H., Dege N., Chouaih A., et al.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1318, 2024 (SCI-Expanded)

- XI. **Naphthalimide-linked carbazole derivative: Synthesis, gelation and naked eye detection of Cu²⁺ and Fe³⁺-ions under different conditions**
Ghosh S., Dege N., Kumar A., Misra N., Ghosh K.
INORGANICA CHIMICA ACTA, cilt.572, 2024 (SCI-Expanded)
- XII. **Synthesis, X-ray crystal structure, Hirshfeld combined with DFT and anticancer efficacy of (Z)-N-methyl-C-aryl aldonitrones**
Lasri J., Soliman S. M., Ali E. M., Eltayeb N. E., Dege N., Alzahrani F. A.
Journal of Molecular Structure, cilt.1313, 2024 (SCI-Expanded)
- XIII. **Docking, DFT, and structural study of N-((1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)carbamothioyl)benzamide**
Jasim K. A., Aziz N. M., Ashfaq M., Behjatmanesh-Ardakani R., Faihan A. S., Tahir M. N., Al-Janabi A. S., Dege N., Gesquiere A. J.
STRUCTURAL CHEMISTRY, cilt.35, sa.5, ss.1411-1425, 2024 (SCI-Expanded)
- XIV. **Ultrasound irradiation synthesis of novel copper(II) complex with the 2-thiophenimidazoline ligand: SC-XRD, HSA, and DFT study**
Kargar H., Fallah-Mehrjardi M., Dege N., Ashfaq M., Munawar K. S., Tahir M. N., Sahihi M., Bajgirani M. A.
STRUCTURAL CHEMISTRY, cilt.35, sa.5, ss.1437-1447, 2024 (SCI-Expanded)
- XV. **Structural and electrochemical properties of a Cu(I) Schiff-base complex: Catalytic application to the synthesis of tetrahydropyrimidine derivatives**
Kargar H., Fallah-Mehrjardi M., Moghadam M., Yarahmadi S., Omidvar A., Zare-Mehrjardi H. R., Dege N., Ashfaq M., Munawar K. S., Tahir M. N., et al.
INORGANICA CHIMICA ACTA, cilt.570, 2024 (SCI-Expanded)
- XVI. **Synthesis, X-ray, Hirshfeld combined with DFT, anticancer effects with molecular docking confirmation of (E)-4-cyanobenzaldehyde oxime and (Z)-N-methyl-C-4-substituted phenyl aldonitrones**
Lasri J., Soliman S. M., Ali E. M., Eltayeb N. E., Dege N., Donia T., Khamis A. A., Alzahrani F. A.
Journal of Molecular Structure, cilt.1312, 2024 (SCI-Expanded)
- XVII. **Experimental and theoretical investigation into the design of nickel(II) copper(II), and zinc(II) complexes substituted with pyrazole ligand**
Alenzi M. K., Azam M., Al-Resayes S. I., Kansiz S., Camas A. S., Agurokpon D. C., Louis H., Kumar V., Dege N., Alam M.
POLYHEDRON, cilt.259, 2024 (SCI-Expanded)
- XVIII. **Influence of Co(II) and Cd(II) metal ions on structural, electronic and nonlinear optical properties of 4-methoxy pyridine-2-carboxylic acid complexes: An experimental and computational study**
Bensbaa M., Simsek M., Derin E., Tamer O., Dege N., Avci D., Boukelkoul M., Atalay Y.
MATERIALS TODAY COMMUNICATIONS, cilt.40, 2024 (SCI-Expanded)
- XIX. **Zinc(II) coordination compound with N'-((pyridin-2-ylmethylene) nicotino)hydrazide: Synthesis, crystal structure, computational and cytotoxicity studies**
Adhikari S., Nath S., Kansiz S., Balidya N., Paul A. K., Dege N., Sahin O., Mahmoudi G., Verma A. K., Safin D. A.
JOURNAL OF INORGANIC BIOCHEMISTRY, cilt.257, 2024 (SCI-Expanded)
- XX. **Experimental study, theoretical calculations, investigation on the molecular docking, spectroscopic insights and antimicrobial appraisal of a new Co (II) complex**
Gharbi C., Tamer O., Essghaier B., Kanmazalp S. D., Dege N., Kaminsky W., Ben Nasrg C., Khedhiri L.
POLYHEDRON, cilt.257, 2024 (SCI-Expanded)
- XXI. **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., Kansiz S., SERT Y., Dege N.
POLYHEDRON, cilt.256, 2024 (SCI-Expanded)
- XXII. **Synthesis of novel supramolecular selenomolybdate as anticancer agents: An experimental and DFT computational analysis**
Djeribi M., Nagazi I., Cocetta V., Dege N., Issaoui N., Zanetti L., Carraro M., Ayed B.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1306, 2024 (SCI-Expanded)

- XXIII. **A copper(II) chloride coordination compound with 2-phenyl-4,5-dihydro-1*H*-imidazole ligand: synthesis, characterization, crystal structure, HSA, and DFT studies**
Kargar H., Fallah-Mehrjardi M., Dege N., Ashfaq M., Munawar K. S., Tahir M. N., Bajgirani M. A., Sahihi M.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.21, sa.6, ss.1561-1572, 2024 (SCI-Expanded)
- XXIV. **The DFT and in-silico analysis of 2,2'-((1*e*,1'*e*)-((3,3'-dimethyl-[1,1'-biphenyl]-4,4'
diyl)bis(azanilylidene)) bis(methanilylidene))diphenol molecule**
SERT Y., Albayati M. R., ŞEN F., Dege N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.687, 2024 (SCI-Expanded)
- XXV. **STRUCTURAL INVESTIGATION AND HIRSHFELD SURFACE ANALYSIS OF TWO [ONO]-TYPE SCHIFF BASES**
Yeşilbağ S., Kansiz S., Dege N., Açar E.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.65, sa.3, ss.464-477, 2024 (SCI-Expanded)
- XXVI. **A new mixed-ligand zinc(II) complex of 3-hydroxy and 4-chloro substituted pyridine-2-carboxylic acid: Synthesis, characterization, NLO properties and DFT calculation**
Simsek M., Tamer O., Dege N., Avci D., Mahmoodi H., Atalay Y.
MATERIALS TODAY COMMUNICATIONS, cilt.38, 2024 (SCI-Expanded)
- XXVII. **Structure-property relationship of N-substituted triazolonoindazoles: A comprehensive study on linear and non-linear optics, as a function of quantum parameters employing density function theory**
Moumad A., Bouhaoui A., Eddahmi M., Hafid A., Dege N., Raza M. A., Bouissane L.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, cilt.1233, 2024 (SCI-Expanded)
- XXVIII. **A novel iodo bridged 1D CuI coordination polymer containing N, N-bidentate Schiff base ligand: Synthesis, structure, theoretical studies, electrochemical properties, and catalytic activity in the synthesis of tetrahydropyrimidines**
Kargar H., Fallah-Mehrjardi M., Moghadam M., Omidvar A., Zare-Mehrjardi H. R., Dege N., Ashfaq M., Munawar K. S., Tahir M. N.
POLYHEDRON, cilt.249, 2024 (SCI-Expanded)
- XXIX. **Growth, theory and practice-based studies of 2,2',2''-nitrilotris((*E*)-1-(2-hydroxyphenyl)-*N*-ethylmethanimine) manganese (III) crystals for electronic filters, opto-electronic functionalities**
Lavanya S., Dege N., Poyraz E. B., Senthilkannan K.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.35, sa.4, 2024 (SCI-Expanded)
- XXX. **Eco-friendly synthesis, structural elucidation, computational investigation and *in vitro* antioxidant activity of a new N-tosylated benzimidazole derivative**
Almansour A. I., Arumugam N., Soliman S. M., Viswanathan E., Dege N., Karuppiah P., Premnath D., Kumari J., Sriram D., Perumal K.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1296, 2024 (SCI-Expanded)
- XXXI. **Synthesis, spectroscopic characterizations, single crystal XRD, supramolecular assembly inspection via hirshfeld surface analysis, and DFT study of a hydroxy functionalized schiff base Cu(II) complex**
Inac H., Ashfaq M., Dege N., Feizi-Dehnyabi M., Munawar K. S., Yağcı N. K., POYRAZ Çınar E., Tahir M. N.
Journal of Molecular Structure, cilt.1295, 2024 (SCI-Expanded)
- XXXII. **Development of new benzil-hydrazone derivatives as anticholinesterase inhibitors: synthesis, X-ray analysis, DFT study and in vitro/in silico evaluation**
Tabbiche A., Bouchama A., Fadli K., Ahmad B., Kumar N., Chiter C., Yahiaoui M., Zaidi F., Boudjemaa K., Dege N., et al.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2024 (SCI-Expanded)
- XXXIII. **Slow evaporation synthesis, crystal structure, DFT calculations, molecular docking, and pharmacokinetic studies of hexaaquazinc(II) dihydrogen benzene-1,2,4,5-tetracarboxylate**
Smail B., Bouchama A., Rahmani R., Djafri A., Benyahlou Z. D., Taibi N., Dege N., Belhachemi M. H. M., Bachari K., Chouaih A.
JOURNAL OF COORDINATION CHEMISTRY, cilt.77, sa.5-6, ss.543-562, 2024 (SCI-Expanded)
- XXXIV. **Theoretical study of the stability and reactivity of nitro-coumarins and amino-coumarins by DFT method**
Bouhaoui A., Moumad A., Eddahmi M., Dege N., Raza M. A., Bouissane L.

- THEORETICAL CHEMISTRY ACCOUNTS, cilt.143, sa.1, 2024 (SCI-Expanded)
- XXXV. **Exploring the Supramolecular Features, Computational Studies, and Molecular Docking Studies of a Carbamate Schiff Base**
Kanmazalp S. D., Dege N., Baildya N., Adhikari S.
LETTERS IN ORGANIC CHEMISTRY, cilt.21, sa.7, ss.568-574, 2024 (SCI-Expanded)
- XXXVI. **Synthesis, X-ray crystal structure and determination of non-covalent interactions through Hirshfeld surface analysis of a pure red emitting asymmetrical octacoordinated Sm(III) complex**
Ilmi R., Kansiz S., Al Rasbi N. K., Husband J., Dege N., Khan M. S.
POLYHEDRON, cilt.246, 2023 (SCI-Expanded)
- XXXVII. **Chalcone-based imidazo[2,1-*b*]thiazole derivatives: synthesis, crystal structure, potent anticancer activity, and computational studies**
Dadou S., ALTAY A., Baydere C., Anouar E. H., TÜRKMENÖĞLU B., Koudad M., Dege N., Oussaid A., Benchat N., Karrouchi K.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)
- XXXVIII. **Structural, physico-chemical properties of a hybrid material based on Anderson-type polyoxomolybdates**
Bouallegui T., Dege N., Ayed B.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.20, sa.9, ss.2373-2382, 2023 (SCI-Expanded)
- XXXIX. **The static and frequency-dependent second- and third-order nonlinear optical properties of Zn(II) and Ni(II) complexes of 4-methoxy pyridine-2-carboxylic acid: A detailed experimental and theoretical study**
Tamer O., Dege N., Avci D., Atalay Y.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.37, sa.9, 2023 (SCI-Expanded)
- XL. **Synthesis, Crystal Structure, and Computational Investigations of 2-(2-(4-Fluorophenyl)-2-oxoethyl)-6-methyl-5-(4-methylbenzyl)pyridazin-3(2*H*)-one as Antiviral Agent**
El Kalai F., Abraham C. S., Kansiz S., Oulmidi A., Muthu S., Prasana J. C., Dege N., Abuelizz H. A. A., Al-Salahi R., Benchat N., et al.
CRYSTALS, cilt.13, sa.7, 2023 (SCI-Expanded)
- XLI. **CRYSTAL STRUCTURE, HIRSHFELD SURFACE ANALYSIS AND IR ANALYSIS OF 2-AMINO-1,9-DIHYDRO-6H-PURIN-6-ONE-SELENATE-WATER**
Baaziz S., Poyraz E. B., Benali-Cherif R., Falek W., Hannachi B., Dege N., Bendeif E., Benali-Cherif N.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.7, ss.1350-1359, 2023 (SCI-Expanded)
- XLII. **Synthesis, Crystal Structure, Hirshfeld Surface Analysis of bis(N,N-Diethylenediamine)Cadmium(II) Dichloride**
Dege N.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.4, ss.563-570, 2023 (SCI-Expanded)
- XLIII. **SYNTHESIS, CRYSTAL STRUCTURE, SUPRAMOLECULAR ASSEMBLY INSPECTION BY HIRSHFELD SURFACE ANALYSIS AND COMPUTATIONAL EXPLORATION OF 4-PHENYL-6-(*p*-TOLYL)PYRIMIDIN-2(1H)-ONE (PPTP)**
Kurbanova M., Ashfaq M., Tahir M. N., Maharramov A., Dege N., Ramazanzade N., Cinar E. B.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.3, ss.437-449, 2023 (SCI-Expanded)
- XLIV. **SYNTHESIS, CRYSTAL STRUCTURE, SUPRAMOLECULAR ASSEMBLY EXPLORATION BY HIRSHFELD SURFACE ANALYSIS AND COMPUTATIONAL STUDY OF 6-BROMO-2-OXO-2H-CHROMENE-3-CARBONITRILE (BOCC)**
Kurbanova M., Ashfaq M., Tahir M. N., Maharramov A., Dege N., Koroglu A.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.2, ss.302-313, 2023 (SCI-Expanded)
- XLV. **2-thioxo-3N-(2-ethoxyphenyl)-5[4'-methyl-3'-N-(2'-ethoxyphenyl) thiazol-2'(3'H)-ylidene] thiazolidin-4-one: Growth, spectroscopic behavior, single-crystal investigation, Hirshfeld surface analysis, DFT/TD-DFT computational studies and NLO evaluation**
Khelloul N., Toubal K., Boukabcha N., Dege N., Djafri A., Belkafouf N. E. H., Benhalima N., Djafri A., Chouaih A., Atalay Y.

- PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, *cilt.198, sa.3, ss.199-214, 2023* (SCI-Expanded)
- XLVI. **Photophysical Properties and Single-Molecule Magnet Behavior in Heterobimetallic 3d4 f Schiff Base Complexes**
Fellah F. Z. C., Pointillart F., Guizouarn T., Roisnel T., DEGE N., Fellah A. C., Hassaine R.
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, *cilt.2022, sa.27, 2022* (SCI-Expanded)
- XLVII. **New Organic-Inorganic Salt Based on Fluconazole Drug: TD-DFT Benchmark and Computational Insights into Halogen Substitution**
Ferjani H., Bechaieb R., Alshammari M., Lemine O. M., DEGE N.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, *cilt.23, sa.15, 2022* (SCI-Expanded)
- XLVIII. **Synthesis of 3-Methoxy-6- [(2, 4, 6-trimethyl-phenylamino)-methyl]-phenol Schiff base characterized by spectral, in-silico and in-vitro studies**
Murugan S., Nehru J., Arputharaj D. S., Catherine Paul A., Gunasekaran P., DEGE N., POYRAZ E. B., Balasubramani K., Savaridasson J. K., Al-Sehemi A. G., et al.
Heliyon, *cilt.8, sa.8, 2022* (SCI-Expanded)
- XLIX. **Supramolecular assembly in designing co-crystals of fumaric acid and pyrimidine/picolinate derivatives**
Kansiz S., Azam M., DEGE N., Ermis N., Al-Resayes S., Alam M.
GREEN CHEMISTRY LETTERS AND REVIEWS, *cilt.15, sa.3, ss.825-836, 2022* (SCI-Expanded)
- L. **Solvothermal synthesis, crystal structure, thermal, magnetic properties and DFT computations of a Ytterbium(III) complex derived from pyridine-2,6-dicarboxylic acid**
Sharif S., Saeed M., DEGE N., Bano R., Ahmad S., Gilani M. A., ŞAHİN O., Ahmad S., Ch A. R.
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- LI. **Experimental and theoretical approaches on structural, spectroscopic (FT-IR and UV-Vis), nonlinear optical, and molecular docking analyses for Zn (II) and Cu (II) complexes of 6-chloropyridine-2-carboxylic acid**
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- LII. **Synthesis, Structure and Biological Evaluations of Zn(II) Pincer Complexes Based on S-Triazine Type Chelator**
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- LIII. **X-ray Structure Analyses and Biological Evaluations of a New Cd(II) Complex with S-Triazine Based Ligand**
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- LIV. **Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies**
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- LV. **Co (II) Complexes Based on the Bis-Pyrazol-S-Triazine Pincer Ligand: Synthesis, X-ray Structure Studies, and Cytotoxic Evaluation**
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- LVI. **New Schiffbases with a 2,6-bis(2-aminophenylthio)pyridine moiety acting as glutathione reductase activator and inhibitors: Synthesis and molecular docking studies**
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- LVII. **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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- LVIII. **Synthesis, structure and acetylcholinesterase inhibition activity of new diarylpyrazoles**
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- LIX. **Stereoselective synthesis, structural determination, computational studies and antimicrobial activity of novel class of spiropyrrroloquinoxaline engrafted ferrocenoindole hybrid heterocycle**
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- LXI. **Therapeutical Potential of Imines; Synthesis, Single Crystal Structure, Computational, Molecular Modeling, and ADMET Evaluation**
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- LXIII. **(E)-N-(3-chlorophenyl)-1-(5-nitro-2-(piperidin-1-yl)phenyl)methanimine: X-Ray, DFT, ADMET, Boiled-Egg Model, Druggability, Bioavailabilty, and Human Cyclophilin D (CypD) Inhibitory Activity**
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- LXIV. **Low pH-induced lone-pair activity in the hybrid $(C₆H₁₀N₂)[SnCl₃]Cl$: Chemical study and physical characterizations**
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- LXV. **Synthesis, solid state self-assembly driven by antiparallel pi center dot center dot center dot pi stacking and $\{H-C-C-F\}(2)$ dimer synthons, and in vitro acetyl cholinesterase inhibition activity of phenoxy pendant isatins**
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- LXVII. **Polymorphism, spectroscopic, DFT and anticancer activity of a palladium (II) complex with a thiophenyl azoimine-quinoline SNN ' N '' ligand**
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- LXXI. **Chemical Synthesis, X-ray Crystallography, Hirshfeld Surface Analysis, and Molecular Docking Studies of (E)-2-(((3-Bromophenyl)imino)methyl)-5-(diethylamino)phenol Schiff Base**
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- LXXII. **Synthesis, structural determination, Hirshfeld surface analysis, 3D energy frameworks, electronic and (static, dynamic) NLO properties of o-Nitroacetanilide (o-NAA): A combined experimental and quantum chemical study**
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- LXXIII. **Fabrication and Antimicrobial Activity of Poly(lactic acid) Nanofibers Containing Firstly Synthesized Silver Diclofenac Complex with (2-methylimidazole) for Wound Dressing Applications**
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- LXXVII. **Theoretical and experimental approaches of new Schiff bases: efficient synthesis, X-ray structures, DFT, molecular modeling and ADMET studies**
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- LXXVIII. **Synthesis, crystal structure, vibrational spectral investigation, intermolecular interactions, chemical reactivity, NLO properties and molecular docking analysis on (E)-N-(4-nitrobenzylidene)-3-chlorobenzenamine: A combined experimental and theoretical study**
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- LXXX. **Formation of a new Cu-II-triazole ester complex from 1,2-cyclohexanedione-bis(p-bromobenzohydrazone) compound as a consequence of copper(II)-catalyzed click reaction**
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- LXXXI. **Synthesis, Structure and Hirshfeld Surface Analysis of a New Iron Complex [Fe(N4Py)(tcnspr)]**

(tcnspr)

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- LXXXIII. **Single-Crystal-to-Single-Crystal Transformation and Catalytic Properties of New Hybrid Perhalidometallates**
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- LXXXV. **Stereoselective synthesis and discovery of novel spirooxindolopyrrolidine engrafted indandione heterocyclic hybrids as antimycobacterial agents**
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- LXXXVI. **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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- LXXXVII. **Polymorphs of 2-[2-[(2,6-dichlorophenyl)amino]phenyl]acetic acid (Diclofenac): Differences from crystallography, Hirshfeld surface, QTAIM and NCIPlots**
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- LXXXVIII. **Two new copper (II) carboxylate complexes based on N,N,N',N'-tetramethylethyleneamine: Synthesis, crystal structures, spectral properties, dft studies and hirshfeld surface analysis**
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- LXXXIX. **An unprecedented formation of new copper(II) complexes as bioactive materials based on copper-catalyzed click reaction**
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- XC. **Synthesis, crystal structures, Hirshfeld surface analysis and physico-chemical characterization of two new Zn-II and Cd-II halidometallates**
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- XCI. **Synthesis, spectroscopy, crystal structure, TGA/DTA study, DFT and molecular docking investigations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one**
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- XCII. **Novel Mn(II) and Zn(II) complexes of 6-bromopicolinic acid as a potential optical material: Synthesis, spectral characterizations, linear, and nonlinear optical properties and density functional theory calculations**
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- XCIII. **Synthesis, X-ray structural determination and biological evaluation of novel ferrocene grafted**

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- XCIV. **Synthesis of two new Schiff bases; crystal structure, Hirshfeld surface analysis, density functional theory and molecular docking**
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- XCIV. **Synthesis, X-ray crystallography, vibrational spectroscopy, thermal and DFT studies of (E)-6-(4-methylstyryl)-4,5-dihydropyridazin-3(2H)-one**
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- XCVI. **Novel metal complexes containing 6-methylpyridine-2-carboxylic acid as potent alpha-glucosidase inhibitor: synthesis, crystal structures, DFT calculations, and molecular docking**
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- XCVII. **Design, stereoselective synthesis, computational studies and cholinesterase inhibitory activity of novel spiropyrrolidinoquinoxaline tethered indole hybrid heterocycle**
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- XCVIII. **Crystal structure, DFT studies and thermal characterization of new luminescent stannate (IV) based inorganic-organic hybrid compound**
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- XCIX. **Crystallographic, spectroscopic, thermal, optical investigations and density functional theory calculations for novel Co(II) and Mn(II) complexes**
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- C. **Synthesis, Anti-Bacterial and Anti-Oxidant Activity of Azo-Oxazolone and Their Ring Opening Azo-Benzamide Derivatives**
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- CI. **Synthesis, crystal structure, spectroscopic studies, NBO, AIM and SQMFF calculations of new pyridazinone derivative**
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- CII. **Highly functionalized N-1-(2-pyridinylmethyl)-3,5-bis[(E)- arylmethylidene]tetrahydro-4(1H)-pyridinones: Synthesis, characterization, crystal structure and DFT studies**
Al-thamili D. M., Almansour A., Arumugam N., Kansiz S., DEGE N., Soliman S. M., Azam M., Kumar R. S.
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- CIII. **Synthesis, spectral properties, alpha-glucosidase inhibition, second-order and third-order NLO parameters and DFT calculations of Cr(III) and V(IV) complexes of 3-methylpicolinic acid**
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- CIV. **Synthesis, experimental and theoretical characterization of (E)-2-((2,3-dimethylphenyl)amino)-N'-(furan-2-ylmethylene) benzohydrazide**
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- CV. **[Bmim]Br Accelerated One-Pot Three-Component Cascade Protocol for the Construction of Spirooxindole-Pyrrolidine Heterocyclic Hybrids**
Kumar R. S., M. Al-thamili D., Almansour A. I., Arumugam N., DEGE N.

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- CVI. **Synthesis and X-ray crystal structures of two different zinc (II) complexes of N,N'-cyclohexane-1,2-diylidene-bis(4-fluorobenzoylhydrazide) based on zinc salt effect**
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- CVII. **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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- CVIII. **Crystal structural and in silico studies of Schiff bases derived from 4-aminoantipyrene**
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- CIX. **1,4-Disubstituted 1H-1,2,3-Triazoles for Renal Diseases: Studies of Viability, Anti-Inflammatory, and Antioxidant Activities**
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- CX. **Regio- and diastereoselective synthesis of spiropyrrroloquinoline grafted indole heterocyclic hybrids and evaluation of their anti-Mycobacterium tuberculosis activity**
Natarajan A., Almansour A., Kumar R. S., Al-Aizari A. J. M. A., Alaqeel S. I., Kansiz S., Krishna V. S., Sriram D., DEGE N.
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- CXI. **A facile ionic liquid-accelerated, four-component cascade reaction protocol for the regioselective synthesis of biologically interesting ferrocene engrafted spiropyrrolidine hybrid heterocycles**
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- CXII. **Two new zinc(II) and mercury(II) complexes based on N,V-(cyclohexane-1,2-diylidene)bis(4-fluorobenzohydrazide): synthesis, crystal structures and antibacterial activities**
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- CXIII. **X-ray diffraction, Hirshfeld surface, local and global chemical activity studies of a Bis{(E)-2,4-di-tert-butyl-6-((3-iodo-4-methylphenylimino)methyl)phenolato-N,O-}copper(II) complex**
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- CXIV. **Towards white light emission from a hybrid thin film of a self-assembled ternary samarium(III) complex**
Ilmi R., Kansiz S., Al-Rasbi N. K., DEGE N., Raithby P. R., Khan M. S.
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- CXV. **Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2-[(2,3-dimethylphenyl)amino]-N'-[(E)-thiophen-2-ylmethylidene]benzohydrazide**
Albayati M. R., Kansiz S., DEGE N., KAYA S., Marzouki R., Lgaz H., Salghi R., Ali I. H., Alghamdi M. M., Chung I.
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- CXVI. **Synthesis, spectral properties, in vitro alpha-glucosidase inhibitory activity and quantum chemical calculations of novel mixed-ligand M(II) complexes containing 1,10-phenanthroline**
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- CXVII. **Synthesis of a novel phenytoin derivative: Crystal structure, Hirshfeld surface analysis and DFT calculations**
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- CXVIII. **Synthesis of the first mixed ligand Mn (II) and Cd (II) complexes of 4-methoxy-pyridine-2-carboxylic acid, molecular docking studies and investigation of their anti-tumor effects in vitro**

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- CXIX. **Synthesis, crystal structure, spectroscopic (FT-IR, 1H and 13C NMR) and nonlinear optical properties of a novel potential HIV-1 protease inhibitor**
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- CXX. **Synthesis, crystal structure, photophysical properties, density functional theory calculations and molecular docking studies on Cd(II) complex of 4,4'-dimethyl-2,2'-dipyridyl**
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- CXXI. **Co(II) and Zn(II) pyrazolyl-benzimidazole complexes with remarkable antibacterial activity**
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- CXXII. **Crystal Structure and Hirshfeld Surface Analysis of 3,5-Bis(4-Methoxyphenyl)-4,5-Dihydro-1H-Pyrazole-1-Carbothioamide**
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- CXXIII. **Synthesis and X-ray crystal structures of three new nickel(II) complexes of benzoylhydrazones: Catalytic applications in the synthesis of 2-arylbenzoxazoles**
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- CXXV. **Synthesis, structural and molecular characterization of 2,2-diphenyl-2H,3H,5H,6H,7H-imidazo[2,1-b][1,3]thiazin-3-one**
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- CXXVI. **Synthesis, crystal structure, DFT calculations, Hirshfeld surface, vibrational and optical properties of a novel hybrid non-centrosymmetric material (C10H15N2)(2)H2P2O7**
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- CXXVII. **Anticancer Indole-Based Chalcones: A Structural and Theoretical Analysis**
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- CXXVIII. **Synthesis, crystal structure, spectroscopic characterization and nonlinear optical properties of (Z)-N'-(2,4-dinitrobenzylidene)-2-(quinolin-8-yloxy) acetohydrazide**
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- CXXXI. **A novel series of mixed-ligand M(II) complexes containing 2,2'-bipyridyl as potent alpha-glucosidase inhibitor: synthesis, crystal structure, DFT calculations, and molecular docking**

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- CXXXV. **Structural, computational and in silico studies of Schiff bases derived from 2,3-dihydroxybenzaldehyde and molecular structure of their zwitterionic forms**
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- CXL. **Three Co(II) coordination polymers constructed from 2,5-di(4-pyridyl)thiazolo[5,4-d]thiazole and V-shaped dicarboxylic acids: Syntheses, characterizations, structural diversity and optical properties**
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- CXLV. **Synthesis, crystal structure, and non-covalent interactions in ethyl 4-hydrazinobenzoate hydrochloride**
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- I. **SPECTROSCOPIC, CRYSTAL STRUCTURE, HIRSHFELD SURFACE AND DFT STUDIES OF 2-AMINO-4-CHLOROBENZONITRILE**
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2-amine

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- XXXIV. **Crystal structure, Hirshfeld surface analysis and DFT studies of 2-[(2-hydroxy-5-methylbenzylidene)amino]benzonitrile**
Faizi M. S. H., Cinar E. B., Aydın A. S., Ağar E., DEGE N., Mashrai A.
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- XXXV. **Crystal structure and Hirshfeld surface analysis of one-dimensional copper(II) coordination**

polymer incorporating succinate and tetramethylethylenediamine ligands

Qadir A., Kansiz S., DEGE N., Rosair G. M., Iskenderov T. S.

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XXXVI. **Crystal structure and Hirshfeld surface analysis of 2-[(4-iodophenyl)imino]methyl-4-nitrophenol**

Faizi M. S. H., Alagoz T., Ahmed R., Cinar E. B., Ađar E., DEGE N., Mashrai A.

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XXXVII. **Crystal structure, Hirshfeld surface analysis and DFT studies of (E)-4-methyl-2-[(4-methylphenyl)imino]methylphenol**

YAĐCI N. K., Faizi M. S. H., Aydin A. S., DEGE N., Dođan O. E., Ađar E., Mashrai A.

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XXXVIII. **Crystal structure and Hirshfeld surface analysis of hexyl 1-hexyl-2-oxo-1,2-dihydroquinoline-4-carboxylate**

Bouzian Y., Kansiz S., Mahi L., Ahabchane N. H., Mague J. T., DEGE N., Karrouchi K., Essassi E. M.

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XXXIX. **Crystal structure and Hirshfeld surface analysis of 2-phenyl-1H-phenanthro[9,10-d]imidazol-3-ium benzoate**

Ahmed R., Dođan O. E., Ali F., Ahmad M., Ahmed A., DEGE N., Golenia I. A.

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Kansiz S., Faizi M. S. H., Aydin T. M., DEGE N., İçbudak H., Golenya I. A.

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Daoui S., Baydere C., Chelfi T., El Kalai F., DEGE N., Karrouchi K., Benchat N.

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XLII. **Synthesis, crystal structure, Hirshfeld surface analysis, In-Silico assessment of druggability and molecular docking studies of Schiff base compound**

DEGE N., Aydın A. S., AĐAR E., Kansiz S., JoseKavitha S., BalaSubramani K., Hemamalini M., Hemamalini M.

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XLIII. **Crystal structure, DFT and MEP study of (E)-2-[(3-chlorophenyl)imino]methyl-6-methylphenol**

Saraçođlu H., Dođan O. E., Agar T., DEGE N., Iskenderov T. S.

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Qadir A. M., Kansiz S., Rosair G. M., DEGE N., Iskenderov T. S.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.76, ss.111-130, 2020 (ESCI)

XLV. **Crystal structure, Hirshfeld surface analysis and DFT studies of 2-[5-(4-methylbenzyl)-6-oxo-3-phenyl-1,6-dihydropyridiazin-1-yl]acetic acid**

Daoui S., Baydere C., El Kalai F., Mahi L., DEGE N., Karrouchi K., Benchat N.

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XLVI. **Crystal structure and Hirshfeld surface analysis of a zinc xanthate complex containing the 2,2'-bipyriaine ligand**

Qadir A. M., Kansiz S., Rosair G. M., DEGE N., Safyanova I. S.

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XLVII. **(E)-3-[(2-Bromo-3-methylphenyl)imino]methylbenzene-1,2-diol: crystal structure and Hirshfeld**

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Doğan O. E., DEGE N., Ağar E., Fritsky I. O.

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- XLVIII. **Crystal structure, Hirshfeld surface analysis and DFT studies of 6-[(E)-2-(thiophen-2-yl)etnenyl]-4,5-dihydropyridazin-3(2H)-one**
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- XLIX. **Crystal structure and Hirshfeld surface analysis of (E)-6-(4-hydroxy-3-methoxystyryl)-4,5-dihydropyridazin-3(2H)-one**
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- L. **Crystal structures and Hirshfeld surface analyses of 4-benzyl-6-phenyl-4,5-dihydropyridazin-3(2H)-one and methyl 2-[5-(2,6-dichlorobenzyl)-6-oxo-3-phenyl-1,4,5,6-tetrahydropyridazin-1-yl]acetate**
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- LI. **Crystal structure and DFT study of a zinc xanthate complex**
Qadir A. M., Kansiz S., DEGE N., Rosair G. M., Fritsky I. O.
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- LII. **Crystal structure and Hirshfeld surface analysis of 2,2'-(1,1'-E)-[ethane-1,2-diybis(azanylyunene)]-bis(methanylylidene)}bis[4-(traluorometnoxy)-phenol]copper(II) hydroquinone hermsoiyate**
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- LIII. **Crystal structure and Hirshfeld surface analysis of N-(tert-butyl)-2-(phenylethynyl)imidazo[1,2-a]pyridin-3-amine**
Tber Z., Kansiz S., El Hafi M., Loubidi M., Jouha J., DEGE N., Essassi E. M., Mague J. T.
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- LIV. **Crystal structure and Hirshfeld surface analysis of 4-(4-methylbenzyl)-6-phenylpyridazin-3(2H)-one**
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- LV. **Crystal structure and the DFT and MEP study of 4-benzyl-2[2-(4-fluorophenyl)-2-oxoethyl]-6-phenylpyridazin-3(2H)-one**
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- LVI. **Crystal structure and DFT study of benzyl 1-benzyl-2-oxo-1,2-dihydroquinoline-4-carboxylate**
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- LVII. **Crystal structure, DFT and MEP study of (E)-2-[(2-hydroxy-5-methoxybenzylidene)amino]benzonitrile**
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- LVIII. **Hirshfeld surface analysis and crystal structure of N-(2-methoxyphenyl)acetamide**

- Yaman M., DEGE N., Ayoob M. M., Hussein A. J., Samad M. K., Fritsky I. O.
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- LIX. **Crystal structure and Hirshfeld surface analysis of ethyl 2-[5-(3-chlorobenzyl)-6-oxo-3-phenyl-1,6-di-hydropyridazin- 1-yl]acetate**
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- LX. **Crystal structure and Hirshfeld surface analysis of (E)-2-(2,4,6-trimethylbenzylidene)-3,4-dihydronaphthalen-1(2H)-one**
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- LXI. **Crystal structure and Hirshfeld surface analysis of (Z)-6-[(2-hydroxy-4-methylanilino)methylidene]-4-methylcyclohexa-2,4-dien-1-one**
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- LXII. **Crystal structure and DFT study of (E)-2-chloro-4-[[2-(2,4-dinitrophenyl)hydrazin-1-ylidene]methyl]phenol acetonitrile hemisolvate**
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- LXIII. **Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile dimethyl sulfoxide monosolvate**
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- LXIV. **Crystal structure and Hirshfeld surface analysis of (Z)-6-[(2-hydroxy-5-nitroanilino)methylidene]-4-methylcyclohexa-2,4-dien-1-one**
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- LXV. **Crystal structure and Hirshfeld surface analysis of 4-(2,6-dichlorobenzyl)-6-phenylpyridazin-3(2H)-one**
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- LXVI. **Crystal structure and Hirshfeld surface analysis of 3-(4-methoxyphenyl)-1-methyl-4-phenyl-1H-pyrazolo[3,4-d]pyrimidine**
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- LXVII. **Dichlorido{ κ^2 -N,N',N''-trimethyl- κ^1 -(1H-pyrazol-1-yl)- κ^2 -N,N',N''-methyl}ethane-1,2-diamine- κ^2 -N,N',N''}copper(II) methanol monosolvate**
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- LXVIII. **(Z)-3-([3-Methoxy-5-(trifluoromethyl)phenyl]imino)methylbenzene-1,2-diol**
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- LXIX. **Synthesis, crystal structure, spectroscopic features and Hirshfeld surfaces of 2-methyl-3-[(2-methylphenyl)carbamoyl]phenyl acetate**
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- LXX. **Crystal structure and Hirshfeld surface analysis of two 5,11-methanobenzo[g][1,2,4]triazolo[1,5-c][1,3,5]oxadiazocine derivatives**
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- LXXI. **Crystal structure and Hirshfeld surface analysis of a Schitt base: (Z)-6-[(5-chloro-2-methoxyanilino)-methylidene]-2-hydroxycyclohexa-2,4-dien-1-one**

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- LXXII. **Crystal structure and Hirshfeld surfaces analysis of the nickel(II) complex of the Shift base ligand 6,6'-((1E,1'E)-[ethane-1,2-diylbis(azanylylidene)]-bis(methanylylidene))bis[2-(trifluoromethoxy)-phenol]**
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- LXXIII. **Crystal structure and Hirshfeld surface analysis of N-{2-[(E)-(4-methylbenzylidene)amino]phenyl}-2-(5-methyl-1-H-pyrazol-3-yl)acetamide hemihydrate**
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- LXXIV. **Crystal structure of 4-[(2-hydroxy-3-methoxybenzyl)amino]benzoic acid hemihydrate**
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- LXXV. **Synthesis, molecular structure, hirshfeld surface analysis, spectroscopic and computational studies (DFT) of 6,6'-((1E,1'E)-(1,2-phenylenebis(azanylylidene))bis(methanylylidene))bis(2-(tert-butyl)-4-methylphenol)**
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- LXXVII. **Crystal structure and Hirshfeld surface analysis of a new benzodiazepine derivative: 4-dichloromethyl-2,3-dihydro-1H-1,5-benzochazepin-2-one**
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- LXXXI. **Crystal structure and Hirshfeld surface analysis of (E)-2,4-di-tert-butyl-6-[(3-chloro-4-methylphenyl-imino)methyl] phenol**
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- LXXXIII. **Crystal structure and Hirshfeld surface analysis of tetraaquabis(isonicotinamide-kappa N-1) nickel(II) fumarate**
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- LXXXIX. **Crystal structure and Hirshfeld surface analysis and of 2-ammoniumylmethyl-1H-benzimidazol-3-ium chloride mononydrate**
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- XC. **Hirshfeld surface analysis and crystal structure of 7-methoxy-5-methyl-2-phenyl-11,12-dihydro-5,11-methano-1,2,4-triazolo[1,5-c][1,3,5]benzoxadiazocine**
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- XCII. **Synthesis of a novel benzimidazole moiety-appended schiff base derivative: Fluorescence and chemosensor study**
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XXIV. X-ray Diffraction Crystallographic Characterization of Compound 3,3'-bis(2-ethoxyphenyl)-4-methyl-2'-thioxo-[2,5'-bithiazolidin]-4'-one

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