



Doç. 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 yüzdelik 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 (YI) (Tezli), Yüksek Lisans

Araştırma Alanları

Sağlık Bilimleri, Tarımsal Bilimler, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

2018 - Devam Ediyor	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

2015 - Devam Ediyor	Bölüm Başkan Yardımcısı, Ondokuz Mayıs Üniversitesi, Fen Fakültesi, Fizik Bölümü
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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

Jüri Üyelikleri

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Synthesis, Structural Characterization, DFT Calculations, and Molecular Docking of a Novel Quinoline Derivative**
Jamal A., Faizi M. S. H., Dege N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1300, 2024 (SCI-Expanded)
- II. **Deciphering non-covalent interactions in unprecedented binuclear copper complex: Spectroscopic, Hirshfeld surface and DFT investigation**
Yilmaz S. K., Alaman Ağar A., Poyraz E. B., Dege N., Vidya V. G., Kumar V. G. V.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1299, 2024 (SCI-Expanded)
- III. **Comparative assessment of structure-property relationships of new Cu(II) complex in selected density functionals**
AVCI D., Comert H. E., Sonmez F., Dege N., Tamer O., ATALAY Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.305, 2024 (SCI-Expanded)
- IV. **Synthesis, structural determination, in vitro antioxidant and antibacterial efficacy of dispirooxindolopyrrolidine embedded indole heterocycle**
Arumugam N., Almansour A. I., Alkaltham M. F., Soliman S. M., Viswanathan V., Priya R. V., Karuppaiah P., Alaqeel S. I., Dege N., Perumal K.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1295, 2024 (SCI-Expanded)
- V. **Stereo and regioselective synthesis, structural elucidation and antibacterial activity of novel spiropyrrolidine embedded with two units of oxindoles**
Almansour A. I., Alkaltham M. F., Arumugam N., Soliman S. M., Madhu V., Alaqeel S. I., Dege N., Karuppiiah P., Perumal K.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1294, 2023 (SCI-Expanded)
- VI. **Synthesis, crystal structure, static and dynamic properties, molecular structure, reactive sites, wavefunction and molecular docking of 1-(3-((4-(diethylamino)-2-hydroxybenzylidene)amino)phenyl)ethan-1-one**
Begaum K. P., Prabhu T., Kaleeswaran S., Kadaikunnan S., Abbas G., Muthu S., Kestek I., Alaman Ağar A., Poyraz E. B., Dege N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1294, 2023 (SCI-Expanded)
- VII. **Environmentally-friendly synthesis, structural determination and antimicrobial activity of new class of spiropyrrolidine embedded with indenoquinoxaline and chromanone heterocyclic units**
Arumugam N., Soliman S. M., Viswanathan V., Almansour A. I., Kumar R. S., Mahalingam S. M., Krishnamoorthy B. S., Dege N., Karuppiiah P., Perumal K.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1293, 2023 (SCI-Expanded)
- VIII. **Exploring crystal structure, Hirshfeld surface and quantum mechanical attributes of symmetric thiophene Schiff base**
MERAL F. S., Alaman Ağar A., Cinar E. B., Dege N., Kanmazalp S. D., Vidya V. G., Kumar V. G. V.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.20, ss.3087-3102, 2023 (SCI-Expanded)
- IX. **Designing of eight-coordinate manganese(II) complexes as bio-active materials: Synthesis, X-ray crystal structures, spectroscopic, DFT, and molecular docking studies**
Ahmed R. K., Omarali A. B., Al-Karawi A. J. M., Marah S., Jaafar M. I., Dege N., Poyraz E. B., Özen T., Loukil M., Alisir S., et al.
POLYHEDRON, cilt.244, 2023 (SCI-Expanded)
- X. **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, cilt.1290, 2023 (SCI-Expanded)

- XI. **Synthesis, characterization, crystal structure, in silico and computational studies on a novel Schiff base derived from α -chlorocinnamaldehyde and 4-aminoantipyrine**
Adimudo H. C., Agu C. J., Okenyeka O. U., Eddy N. O., Dim E. N., DEGE N., Bonardd S., Vanka K., Ibezim A., Idika D. I., et al.
Journal of Molecular Structure, cilt.1289, 2023 (SCI-Expanded)
- XII. **Bifunctional Cu(II)-based 2D coordination polymer and its composite for high-performance photocatalysis and electrochemical energy storage**
Ali A., Khan M. Z., Dege N., Ahmad M., Shahid M.
DALTON TRANSACTIONS, cilt.52, sa.42, ss.15562-15575, 2023 (SCI-Expanded)
- XIII. **Synthesis, crystallographic and spectroscopic investigation, chemical reactivity, hyperpolarizabilities and in silico molecular docking study of (Z)-2N-(tert-butylimino)-3N'-(4-methoxyphenyl)thiazolidin-4-one**
Boudjenane F. Z., Triki-Baara F., Boukabcha N., Belkafouf N. E. H., DEGE N., Saidj M., Khelloul N., Djafri A., Chouaih A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1287, 2023 (SCI-Expanded)
- XIV. **Experimental and Theoretical Biological Probing of Schiff Bases as Esterase Inhibitors: Structural, Spectral and Molecular Insights**
Raza M. A., Mumtaz M. W., Öztürk S., Latif M., Aisha A., Ashraf A., DEGE N., Doğan O. E., Ağar E., Rehman S. U., et al.
Molecules, cilt.28, sa.15, 2023 (SCI-Expanded)
- XV. **Design, synthesis, structural characterization and computational studies of new class of dispirooxindolopyrrolidine embedded chromanone hybrid heterocycles**
Arumugam N., Alkaltham M. F., Viswanathan V., Almansour A. I., Kumar R. S., Alaqeel S. I., Kumar S. Y., Padmanaban R., Mahalingam S. M., DEGE N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1286, 2023 (SCI-Expanded)
- XVI. **Supramolecular Co(II) complexes based on dithiolate and dicarboxylate ligands: Crystal structures, theoretical studies, magnetic properties, and catalytic activity studies in photocatalytic hydrogen evolution**
Adhikari S., Sheikh A. H., Kansiz S., DEGE N., Baildya N., Mahmoudi G., Choudhury N. A., Butcher R. J., Kaminsky W., Talledo S., et al.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1285, 2023 (SCI-Expanded)
- XVII. **Syntheses, characterizations, and Hirshfeld analysis of Ag(I) and Cu(II) complexes: A novel potent Ag(I)-based oxadiazole anticancer agent**
Ayoub M. S., ElShafey M. M., Abdel-Hamid H., Abu-Serie M. M., Teleb M., DEGE N., Soliman S. M.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.37, sa.8, 2023 (SCI-Expanded)
- XVIII. **Synthesis, crystal structure, Hirshfeld surface analysis, DFT and antihyperglycemic activity of 9-allyl-2,3,9,10a-tetrahydrobenzo[b]cyclopenta[e][1,4]diazepin-10(1H)-one**
Saddik R., Brandán S. A., Mortada S., Baydere C., Roby O., DEGE N., Tighadouini S., Tahiri M., Faouzi M. A., Karrouchi K.
Journal of Molecular Structure, cilt.1283, 2023 (SCI-Expanded)
- XIX. **Synthesis, Structural, Spectroscopic, Hirshfeld Surface Analysis and Computational Study of Copper Complex Containing Salicylalimine Ligands**
Alaman E., Agar A. A., Tahir M. N., Ashfaq M., Poyraz E. B., Dege N.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.7, ss.1314-1328, 2023 (SCI-Expanded)
- XX. **Structural Investigation and Hirshfeld Surface Analysis of N-(3-Chloro-4-Methylphenyl)-2-(3-Nitrobenzamido)Benzamide**
Ayooob M. M., Hawaiz F. E., Dege N., Kansiz S.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.6, ss.1049-1058, 2023 (SCI-Expanded)
- XXI. **Structural, Spectroscopic and Molecular Characterization of an Asymmetric Schiff Base Compound**
Doğan O. E., Poyraz E. B., Saracoglu H., Agar T., Yasa B., Dege N.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.6, ss.1147-1163, 2023 (SCI-Expanded)
- XXII. **Computational modeling of imines based anti-oxidant and anti-esterases compounds: Synthesis,**

single crystal and In-vitro assessment

Raza M. A., Farwa U., Danish M., Öztürk S., Aagar A. A., DEGE N., Rehman S. U., Al-Sehemi A. G.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, cilt.104, 2023 (SCI-Expanded)

- XXIII. **Synthesis, Hirshfeld Surface, FTIR Analysis and Single Crystal X-Ray Structure of 2-Amino-3-Hydroxypyridinium Saccharinate**
Kammazalp S., Sagher M., Dege N., İçbudak H.
Journal of Structural Chemistry, cilt.64, sa.6, ss.1137-1146, 2023 (SCI-Expanded)
- XXIV. **Synthesis, Crystal Structure and Hirshfeld Surface Analysis of (<i>E</i>)-2-(4-Methylbenzylidene)-N-Phenylhydrazine-1-Carbothioamide**
Acar E., Kansiz S., Dege N.
JOURNAL OF STRUCTURAL CHEMISTRY, cilt.64, sa.6, ss.974-983, 2023 (SCI-Expanded)
- XXV. **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, cilt.34, ss.1423-1435, 2023 (SCI-Expanded)
- XXVI. **Synthesis, DFT calculations, alpha-glucosidase inhibitor activity, and docking studies on Schiff base metal complexes containing isothiocyanate**
Ozge O., AVCI D., Sonmez F., Tamer O., DEGE N., BAŞOĞLU A., ATALAY Y., ZENGİN KURT B.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.37, sa.5, 2023 (SCI-Expanded)
- XXVII. **Synthesis, crystal structures, and DFT calculations: novel Mn(II), Co(II) and Ni(II) complexes of N-(pyridin-2-ylmethylene)methanamine with isothiocyanate as promising optical materials**
AVCI D., Ozge O., BAŞOĞLU A., Sonmez F., Tamer O., DEGE N., ATALAY Y.
OPTICAL AND QUANTUM ELECTRONICS, cilt.55, sa.5, 2023 (SCI-Expanded)
- XXVIII. **A combined experimental, Hirshfeld surface analysis, and theoretical study on fac-[tri(azido)(tris(2-pyridyl)amine)iron(III)]**
Setifi Z., Cubillan N., Glidewell C., Gil D. M., Torabi E., Morales-Toyo M., DEGE N., Setifi F., Mirzaei M.
POLYHEDRON, cilt.233, 2023 (SCI-Expanded)
- XXIX. **Synthesis, crystals structures and theoretical studies of novel alkali copper indium orthophosphates ACuIn(PO₄)₂ (A = Na, K and Rb)**
Badri A., Slimi S., Mokni I., DEGE N., Maria Solé R., Aguiló M., Díaz F., Mateos X., Ben Amara M.
Journal of Solid State Chemistry, cilt.318, 2023 (SCI-Expanded)
- XXX. **Synthesis, Structural Characterization and Theoretical NLO Activity of N-(4-Acetyl-5-(4-(Nitro) Phenyl)-4,5-Dihydro-1,3,4-Thiadiazol-2-yl)-N-Phenyl Acetamide**
Tabti C., Benmohammed A., Boukabcha N., DEGE N., Djafri A., Boudjenane F. Z., Chouaih A., Djafri A.
POLYCYCLIC AROMATIC COMPOUNDS, cilt.43, sa.10, ss.9153-9174, 2023 (SCI-Expanded)
- XXXI. **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., cinar E. B., SERT Y., Alhaji Isa M., Lai C., Buba F., DEGE N., Benchat N., Karrouchi K.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.41, sa.21, ss.11578-11597, 2023 (SCI-Expanded)
- XXXII. **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, cilt.43, sa.5, ss.4396-4406, 2023 (SCI-Expanded)
- XXXIII. **Syntheses, X-ray structure and biological studies of binuclear mu-oxo diiron complexes with s-triazine pincer ligand**
Refaat H. M., Alotaibi A. A. M., DEGE N., El-Faham A., Soliman S. M.
INORGANICA CHIMICA ACTA, cilt.543, 2022 (SCI-Expanded)
- XXXIV. **Investigation on crystal structure, spectral FT-IR analysis, DFT and molecular docking studies of a novel complex with the N'-(pyridin-2-ylmethylene)nicotinohydrazide**
Mahmoudi G., Sahli S., Tamer O., cinar E. B., Boehme U., DEGE N., Ben Nasr C., Kaabi K.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1269, 2022 (SCI-Expanded)

- XXXV. **Above room temperature dielectric switchable organic co-crystal [C₄H₄O₄]. [C₃H₉N] with Hirshfeld surface analyses**
Li X., Wu J., Qian K., Yang J., Cao W., DEGE N., Yan T., Wang F.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.145, 2022 (SCI-Expanded)
- XXXVI. **Synthesis, structural studies, Hirshfeld surface analysis, and molecular docking studies of a thiophene-based Schiff base compound**
Kansiz S., Azam M., Basılı T., Meral S., Aktas F. A., Yesilbag S., Min K., Alaman Ağar A., Dege N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1265, 2022 (SCI-Expanded)
- XXXVII. **A zinc(II) metal-organic complex based on 2-(2-aminophenyl)-1H- benzimidazole ligand: Exhibiting high adsorption capacity for aromatic hazardous dyes and catecholase mimicking activity**
Muslim M., Ali A., Ahmad M., Alarifi A., Afzal M., Sepay N., DEGE N.
JOURNAL OF MOLECULAR LIQUIDS, cilt.363, 2022 (SCI-Expanded)
- XXXVIII. **Synthesis, structural determination, molecular docking and biological activity of 1-(4-fluorobenzyl)-5-bromolindolin-2,3-dione**
Belhachemi M. H. M., Benmohammed A., Saiah H., Boukabcha N., Saidj M., DEGE N., Djafri A., Chouaih A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1265, 2022 (SCI-Expanded)
- XXXIX. **Stabilization of supramolecular network of fluconazole drug polyiodide: Synthesis, computational and spectroscopic studies**
Ferjani H., Bechaieb R., DEGE N., Abd El-Fattah W., Elamin N. Y., Frigui W.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1263, 2022 (SCI-Expanded)
- XL. **Synthesis, structural, photo-physical properties and DFT studies of some diarylheptanoids**
Al-Balushi R. A., Al-Busaidi I. J., Al-Sharji H., Haque A., Faizi M. S. H., DEGE N., Khan M. S., Mohamed T. A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1264, 2022 (SCI-Expanded)
- XLI. **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)
- XLII. **Synthesis of 3-Methoxy-6- [(2, 4, 6-trimethyl-phenylamino)-methyl]-phenol Schiff base characterized by spectral, in-silco 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)
- XLIII. **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)
- XLIV. **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.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1260, 2022 (SCI-Expanded)
- XLV. **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)
- XLVI. **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**
DEGE N., Tamer O., Simsek M., AVCI D., Yaman M., BAŞOĞLU A., ATALAY Y.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.36, sa.6, 2022 (SCI-Expanded)
- XLVII. **X-ray Structure Analyses and Biological Evaluations of a New Cd(II) Complex with S-Triazine Based**

Ligand

Dahlous K. A., Alotaibi A. A. M., DEGE N., El-Faham A., Soliman S. M., Refaat H. M.
CRYSTALS, cilt.12, sa.6, 2022 (SCI-Expanded)

XLVIII. Synthesis, Structure and Biological Evaluations of Zn(II) Pincer Complexes Based on S-Triazine Type Chelator

Refaat H. M., Alotaibi A. A. M., DEGE N., El-Faham A., Soliman S. M.
MOLECULES, cilt.27, sa.11, 2022 (SCI-Expanded)

XLIX. 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., İçbudak H.
POLYHEDRON, cilt.218, 2022 (SCI-Expanded)

L. Co (II) Complexes Based on the Bis-Pyrazol-S-Triazine Pincer Ligand: Synthesis, X-ray Structure Studies, and Cytotoxic Evaluation

Refaat H. M., Alotaibi A. A. M., DEGE N., El-Faham A., Soliman S. M.
CRYSTALS, cilt.12, sa.5, 2022 (SCI-Expanded)

LI. Synthesis, structure and acetylcholinesterase inhibition activity of new diarylpyrazoles

Zia M., Hameed S., Nadeem H., Kharl A. A., DEGE N., Paracha R. Z., Arshad I., Naseer M. M.
Bioorganic Chemistry, cilt.121, 2022 (SCI-Expanded)

LII. 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., Doğan O. E., ALPASLAN G., Agar T., Muthu S., SERT Y.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.638, 2022 (SCI-Expanded)

LIIL. New Schiffbases with a 2,6-bis(2-aminophenylthio)pyridine moiety acting as glutathione reductase activator and inhibitors: Synthesis and molecular docking studies

TUNÇ T., Ortaakarsu A. B., Hatipoglu S. M., Kazanci U., Karabocek S., Karabocek N., DEGE N., Karacan N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1254, 2022 (SCI-Expanded)

LIV. Stereoselective synthesis, structural determination, computational studies and antimicrobial activity of novel class of spiropyrroloquinoxaline engrafted ferrocenoindole hybrid heterocycle

Arumugam N., Almansour A. I., Kumar R. S., Soliman S. M., Viswanathan E., DEGE N., Alaqeel S. I., Amaladass P., Perumal K.
Journal of Molecular Structure, cilt.1252, 2022 (SCI-Expanded)

LV. Growth, crystal structure, Hirshfeld surface analysis, DFT studies, physicochemical characterization, and cytotoxicity assays of novel organic triphosphate

Oueslati Y., Kansiz S., DEGE N., de la Torre Paredes C., Llopis-Lorente A., Martinez-Manez R., Sta W. S.
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LVI. Therapeutical Potential of Imines; Synthesis, Single Crystal Structure, Computational, Molecular Modeling, and ADMET Evaluation

Tatildil D., Raza M. A., DEGE N., Alaman Ağar A., Farwa U., Rehman S. U.
ACS OMEGA, cilt.7, sa.12, ss.10568-10579, 2022 (SCI-Expanded)

LVII. Synthesis, spectroscopic analyses, DFT calculations and molecular docking studies of Pd(II) complex of hydrazone ligand derived from ethyl carbazate

Isler E., Zulfikaroglu A., VURAL H., DEGE N.
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, cilt.736, sa.1, ss.72-92, 2022 (SCI-Expanded)

LVIII. (E)-N-(3-chlorophenyl)-1-(5-nitro-2-(piperidin-1-yl)phenyl)methanimine: X-Ray, DFT, ADMET, Boiled-Egg Model, Druggability, Bioavailability, and Human Cyclophilin D (CypD) Inhibitory Activity

Şahin S., DEGE N.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1250, 2022 (SCI-Expanded)

LIX. Polymorphism, spectroscopic, DFT and anticancer activity of a palladium (II) complex with a thiophenyl azoimine-quinoline SNN ' N '' ligand

Al-Noaimi M., Awwadi F. F., Mansi I. A., Sawwan M., Abu-Irmaileh B., DEGE N.

POLYHEDRON, cilt.211, 2022 (SCI-Expanded)

- LX. **Synthesis, characterization, computational analyses, in silico ADMET studies, and inhibitory action against SARS-CoV-2 main protease (Mpro) of a Schiff base**
Şahin S., DEGE N.
TURKISH JOURNAL OF CHEMISTRY, cilt.46, sa.5, ss.1548-1572, 2022 (SCI-Expanded)
- LXI. **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**
Mehreen S., Ullah A., Nadeem H., DEGE N., Naseer M. M.
RSC ADVANCES, cilt.12, sa.3, ss.1788-1796, 2022 (SCI-Expanded)
- LXII. **Corrigendum to 'Synthesis, spectral properties, α -glucosidase inhibition, second-order and third-order NLO parameters and DFT calculations of Cr(III) and V(IV) complexes of 3-methylpicolinic acid'**
Avcı D., Altürk S., Sönmez F., Tamer Ö., Başoğlu A., Atalay Y., ZENGİN KURT B., DEGE N.
Journal of Molecular Structure, cilt.1246, 2021 (SCI-Expanded)
- LXIII. **Facile synthesis, topological study, and adsorption properties of a novel Co (II)-based coordination polymer for adsorptive removal of methylene blue and methyl orange dyes**
Muslim M., Ali A., Neogi I., DEGE N., Shahid M., Ahmad M.
POLYHEDRON, cilt.210, 2021 (SCI-Expanded)
- LXIV. **Concentration effects on optical properties, DFT, crystal characterization and alpha-glucosidase activity studies: Novel Zn(II) complex**
DEGE N., Ozge O., AVCI D., BAŞOĞLU A., Sonmez F., Yaman M., Tamer O., ATALAY Y., ZENGİN KURT B.
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- LXV. **Chemical Synthesis, X-ray Crystallography, Hirshfeld Surface Analysis, and Molecular Docking Studies of (E)-2-(((3-Bromophenyl)imino)methyl)-5-(diethylamino)phenol Schiff Base**
Hemamalini M., Kestek I., Cinar E. B., Alaman Açar A., DEGE N., Josekavitha S., Rajakannan V.
CRYSTALLOGRAPHY REPORTS, cilt.66, sa.6, ss.1023-1030, 2021 (SCI-Expanded)
- LXVI. **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**
Boukabcha N., Direm A., Drissi M., Megrouss Y., Khelloul N., DEGE N., TUNA M., Chouaih A.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.133, 2021 (SCI-Expanded)
- LXVII. **Fabrication and Antimicrobial Activity of Poly(lactic acid) Nanofibers Containing Firstly Synthesized Silver Diclofenac Complex with (2-methylimidazole) for Wound Dressing Applications**
Alşır S., Özdemir N., BURGAZ E., DEGE N., Canavar Y. E.
FIBERS AND POLYMERS, cilt.22, sa.10, ss.2738-2749, 2021 (SCI-Expanded)
- LXVIII. **Validation of crystal structure of 2-acetamidophenyl acetate: an experimental and theoretical study**
Shankar S. M., Stephen A. D., Mary C. P. V., Madhukar H., DEGE N., Yagci N. K., Saravanan K., Nidhin P. V., Maruthamuthu S.
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- LXIX. **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**
Guerroudj A. R., Boukabcha N., Benmohammed A., DEGE N., Belkafouf N. E. H., Khelloul N., Djafri A., Chouaih A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1240, 2021 (SCI-Expanded)
- LXX. **A tris β -diketonate europium(III) complex based OLED fabricated by thermal evaporation method displaying efficient bright red emission**
Ilmi R., Zhang D., Dutra J. D., DEGE N., Zhou L., Wong W., Raithby P. R., Khan M. S.
Organic Electronics, cilt.96, 2021 (SCI-Expanded)
- LXXI. **Synthesis, characterization, X-ray, HOMO-LUMO, MEP, FT-IR, NLO, Hirshfeld surface, ADMET, boiled-**

egg model properties and molecular docking studies with human cyclophilin D (CypD) of a Schiff base compound: (E)-1-(5-nitro-2-(piperidin-1-yl)phenyl)-N-(3-nitrophenyl) methanimine
Şahin S., DEGE N.

POLYHEDRON, cilt.205, 2021 (SCI-Expanded)

- LXXII. **Theoretical and experimental approaches of new Schiff bases: efficient synthesis, X-ray structures, DFT, molecular modeling and ADMET studies**
DEGE N., Raza M. A., Doğan O. E., Agar T., Mumtaz M. W.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.18, sa.9, ss.2345-2368, 2021 (SCI-Expanded)
- LXXIII. **Synthesis, Crystal Structure, Hirshfeld Surface Analysis, and Computational Study of a Novel Organic Salt Obtained from Benzylamine and an Acidic Component**
Ashfaq M., Munawar K. S., Tahir M. N., DEGE N., Yaman M., Muhammad S., Alarfaji S. S., Kargar H., Arshad M. U.
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- LXXIV. **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**
Al-Karawi A. J. M., OmarAli A. B., DEGE N., Kansiz S.
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- LXXV. **A newly synthesized small molecule: the evaluation against Alzheimer's Disease by in silico drug design and computational structure analysis methods**
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- LXXVI. **Synthesis, Structure and Hirshfeld Surface Analysis of a New Iron Complex [Fe(N4Py)(tcnspr)] (tcnspr)**
Setifi Z., Ferjani H., Jelsch C., Glidewell C., DEGE N., Setifi F.
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- LXXVII. **Single-Crystal-to-Single-Crystal Transformation and Catalytic Properties of New Hybrid Perhalidometallates**
Rayes A., Zarate-Roldan S., Ara I., Moncer M., DEGE N., Concepcion Gimeno M., Ayed B., Herrera R. P.
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- LXXVIII. **Synthesis, Crystal Structure, DFT Calculations and Hirshfeld Surface Analysis of 3-Chloro-2,6-Bis(4-Chlorophenyl)-3-Methylpiperidin-4-One**
Ramalingam A., Kansiz S., DEGE N., Sambandam S.
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- LXXIX. **Stereoselective synthesis and discovery of novel spirooxindolopyrrolidine engrafted indandione heterocyclic hybrids as antimycobacterial agents**
Arumugam N., Almansour A., Kumar R. S., Krishna V. S., Sriram D., DEGE N.
BIOORGANIC CHEMISTRY, cilt.110, 2021 (SCI-Expanded)
- LXXX. **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., Bilemez B., DEGE N., El Louzi A., Bougrin K., Karrouchi K., Himmi B.
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- LXXXI. **Two new copper (II) carboxylate complexes based on N,N,N',N'-tetramethylethyleneamine: Synthesis, crystal structures, spectral properties, dft studies and hirshfeld surface analysis**
Kansiz S., Qadir A. M., DEGE N., Faizi S. H.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1230, 2021 (SCI-Expanded)
- LXXXII. **An unprecedented formation of new copper(II) complexes as bioactive materials based on copper-catalyzed click reaction**
Al-Karawi A. J. M., OmarAli A. B., Mangelsen S., DEGE N., Kansiz S., Breuninger P., Baydere C., OmarAli O. B.
POLYHEDRON, cilt.198, 2021 (SCI-Expanded)
- LXXXIII. **Synthesis, crystal structures, Hirshfeld surface analysis and physico-chemical characterization of two new Zn-II and Cd-II halidometallates**

Rayes A., Moncer M., Ara I., DEGE N., Ayed B.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.8, ss.10890-10905, 2021 (SCI-Expanded)

- LXXXIV. **Polymorphs of 2-[2-[(2,6-dichlorophenyl)amino]phenyl]acetic acid (Diclofenac): Differences from crystallography, Hirshfeld surface, QTAIM and NCIPLOTS**

Morales-Toyo M., Kansiz S., DEGE N., Glidewell C., Fuenmayor-Zafra A., Cubillan N.

CHEMICAL PHYSICS, cilt.544, 2021 (SCI-Expanded)

- LXXXV. **Synthesis, spectroscopy, crystal structure, TGA/DTA study, DFT and molecular docking investigations of (E)-4-(4-methylbenzyl)-6-styrylpyridazin-3(2H)-one**

El Kalai F., Cinar E. B., Lai C., Daoui S., Chelfi T., Allali M., DEGE N., Karrouchi K., Benchat N.

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- LXXXVI. **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**

AVCI D., Saeedi Y., BAŞOĞLU A., DEGE N., Alturk S., Tamer O., ATALAY Y.

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- LXXXVII. **Synthesis of two new Schiff bases; crystal structure, Hirshfeld surface analysis, density functional theory and molecular docking**

Raza M. A., DEGE N., Doğan O. E., Agar T., Sumrra S. H.

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- LXXXVIII. **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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- LXXXIX. **Design, stereoselective synthesis, computational studies and cholinesterase inhibitory activity of novel spiropyrrolidinoquinoxaline tethered indole hybrid heterocycle**

Arumugam N., Almansour A. I., Kumar R. S., Yeswanthkumar S., Padmanaban R., Arun Y., Kansiz S., DEGE N., Manohar T. S., Venketesh S.

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- XC. **Synthesis, X-ray crystallography, vibrational spectroscopy, thermal and DFT studies of (E)-6-(4-methylstyryl)-4,5-dihydropyridazin-3(2H)-one**

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

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- XCI. **Synthesis, X-ray structural determination and biological evaluation of novel ferrocene grafted spiroquinoxalinopyrrolidine**

Arumugam N., Almansour A. I., Kumar R. S., Soliman S. M., Viswanathan E., DEGE N., Karuppiiah P., Al-Dhabi N. A.

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- XCII. **Crystallographic, spectroscopic, thermal, optical investigations and density functional theory calculations for novel Co(II) and Mn(II) complexes**

DEGE N., Tamer O., Yaman M., BAŞOĞLU A., AVCI D., ATALAY Y.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.127, sa.2, 2021 (SCI-Expanded)

- XCIII. **Synthesis, crystal structure, spectroscopic studies, NBO, AIM and SQMFF calculations of new pyridazinone derivative**

El Kalai F., Karrouchi K., Baydere C., Daoui S., Allali M., DEGE N., Benchat N., Brandan S. A.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1223, 2021 (SCI-Expanded)

- XCIV. **Synthesis, Anti-Bacterial and Anti-Oxidant Activity of Azo-Oxazolone and Their Ring Opening Azo-Benzamide Derivatives**

Ayoob M. M., Hussein A. J., Samad M. K., DEGE N., Hawaiz F. E., Mohamed S. K., Hussain F. H. S.

CURRENT ORGANIC SYNTHESIS, cilt.18, sa.5, ss.493-505, 2021 (SCI-Expanded)

- XCV. **Highly functionalized N-1-(2-pyridinylmethyl)-3,5-bis[(E)- arylmethylidene]tetrahydro-4(1H)-pyridinones: Synthesis, characterization, crystal structure and DFT studies**

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- XCVI. **Synthesis, experimental and theoretical characterization of (E)-2-((2,3-dimethylphenyl)amino)-N'-(furan-2-ylmethylene) benzohydrazide**
Albayati M. R., Kansiz S., Lgaz H., KAYA S., DEGE N., Ali I. H., Salghi R., Chung I.
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- XCVII. **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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- XCVIII. **[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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- XCIX. **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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- C. **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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- CI. **Crystal structural and in silico studies of Schiff bases derived from 4-aminoantipyrine**
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- CII. **Regio- and diastereoselective synthesis of spiropyrroloquinoxaline grafted indole heterocyclic hybrids and evaluation of their anti-Mycobacterium tuberculosis activity**
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- CIII. **1,4-Disubstituted 1H-1,2,3-Triazoles for Renal Diseases: Studies of Viability, Anti-Inflammatory, and Antioxidant Activities**
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- CIV. **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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- CV. **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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- CVI. **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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- CVII. **Towards white light emission from a hybrid thin film of a self-assembled ternary samarium(iii) complex**
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- CVIII. **Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2-[(2,3-**

dimethylphenyl)amino]-N'-[(E)-thiophen-2-ylmethylidene]benzohydrazide

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- CIX. **Synthesis of a novel phenytoin derivative: Crystal structure, Hirshfeld surface analysis and DFT calculations**
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- CX. **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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- CXI. **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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- CXII. **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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- CXIII. **Co(II) and Zn(II) pyrazolyl-benzimidazole complexes with remarkable antibacterial activity**
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- CXIV. **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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- CXV. **Crystal Structure and Hirshfeld Surface Analysis of 3,5-Bis(4-Methoxyphenyl)-4,5-Dihydro-1H-Pyrazole-1-Carbothioamide**
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- CXVI. **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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- CXVII. **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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- CXVIII. **Novel Cu(II), Co(II) and Zn(II) metal complexes with mixed-ligand: Synthesis, crystal structure, alpha-glucosidase inhibition, DFT calculations, and molecular docking**
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- CXIX. **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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- CXX. **Anticancer Indole-Based Chalcones: A Structural and Theoretical Analysis**
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- CXXI. **Synthesis, crystal structure, spectroscopic characterization and nonlinear optical properties of (Z)-N'-(2,4-dinitrobenzylidene)-2-(quinolin-8-yloxy) acetohydrazide**
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- CXXII. **Synthesis and evaluation of new isatin-aminorhodanine hybrids as PIM1 and CLK1 kinase inhibitors**
Khalidoun K., Safer A., Boukabcha N., DEGE N., Ruchaud S., Souab M., Bach S., Chouaih A., Saidi-Besbes S.
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- CXXIII. **The clean and mild synthesis, crystal structure, and intra-molecular hydrogen bond study of substituted new 4,8-dihydropyrano[3,2-b]-pyrans containing chlorokojic acid moiety**
Aghbash K. O., Pesyan N. N., Marandi G., DEGE N., ŞAHİN E.
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- CXXIV. **Synthesis, crystallographic structure, theoretical calculations, spectral and thermal properties of trans-diaquabis(trans-4-aminoantipyrine) cobalt(II) acesulfamate**
Kansiz S., Tolan A., İçbudak H., DEGE N.
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- CXXV. **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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- CXXVI. **Structural, computational and in silico studies of Schiff bases derived from 2,3-dihydroxybenzaldehyde and molecular structure of their zwitterionic forms**
Obasi L. N., Ezeorah J. C., Ossai V., Jude A., Oruma U. S., Ibezim A., Lutter M., Rhyman L., Jurkschat K., DEGE N., et al.
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- CXXVII. **Two New Co(II) Complexes of Picolinate: Synthesis, Crystal Structure, Spectral Characterization, -Glucosidase inhibition and TD/DFT Study**
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- CXXVIII. **Synthesis, characterization and single crystal X-ray studies of pincer type Ni(II)-Schiff base complexes: Application in synthesis of 2-substituted benzimidazoles**
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- CXXIX. **A novel series of M(II) complexes of 6-methylpyridine-2-carboxylic acid with 4(5)methylimidazole: Synthesis, crystal structures, alpha-glucosidase activity, density functional theory calculations and molecular docking**
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- CXXX. **Crystal structure and computational studies of (E)-1-(benzo[b]thiophen-3-yl)-N-(4-ethoxyphenyl)methanimine**
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- CXXXI. **Synthesis, structure, Hirshfeld surface analysis and photophysical studies of red emitting europium acetylacetonate complex incorporating a phenanthroline derivative**
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- CXXXII. **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**
ARICI M., YEŞİLEL O. Z., DEGE N.
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- CXXXIII. **Synthesis and Crystal Structure of Nickel(II) and Zinc(II) Complexes with O-Propylxanthate and N, N, N', N'-Tetramethylethylenediamine**

Qadir A., DEGE N.

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CXXXIV. Easy Access to Crystalline Indolines via Hydrogen Bond Transfer

Khatoun S., Vgenopoulou A., Naseer M. M., Shirinfar B., Kariuki B. M., DEGE N., Ahmed N.

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CXXXV. Synthesis, crystal structures and characterizations of three new copper(II) complexes including anti-inflammatory diclofenac

Alışır S., DEGE N., Tapramaz R.

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CXXXVI. A new dinuclear copper (II) complex of 2,5-Furandicarboxylic acid with 4(5)-Methylimidazole as a high potential alpha-glucosidase inhibitor: Synthesis, Crystal structure, Cytotoxicity study, and TD/DFT calculations

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CXXXVII. Hirshfeld surface, crystal structure and spectroscopic characterization of (E)-4-(diethylamino)-2-((4-phenoxyphenylimino)methyl)phenol with DFT studies

Kanmazalp S. D., Macit M., DEGE N.

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CXXXVIII. Synthesis, crystal structure, and non-covalent interactions in ethyl 4-hydrazinobenzoate hydrochloride

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CXXXIX. WITHDRAWN: "Electrochemical and Spectroscopic Studies on the Interaction Modes of Calf Thymus DNA with Antibacterial Schiff Bases obtained from Substituted Salicylaldehydes and Sulfamethizole" [Int. J. Electrochem. Sci., 13(2018) 10700-10717]

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CXL. SYNTHESIS, MOLECULAR STRUCTURE AND SPECTROSCOPIC AND COMPUTATIONAL STUDIES ON 4-(2-(2-(2-FORMYLPHENOXY)ETHOXY)ETHOXY)PHTHALONITRILE AS A FUNCTIONALIZED PHTHALONITRILE

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CXLI. Experimental and theoretical studies of bis[(E)-1-((3-chloro-4-methylphenylimino)methyl)naphthalen-2-olate-N,O]copper(II)

Toprak Ş., Tanak H., Macit M., DEGE N., Orbay M.

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CXLII. Three novel Cu(II), Cd(II) and Cr(III) complexes of 6-Methylpyridine-2-carboxylic acid with thiocyanate: Synthesis, crystal structures, DFT calculations, molecular docking and alpha-Glucosidase inhibition studies

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CXLIII. Synthesis, crystallographic structure, DFT calculations and Hirshfeld surface analysis of a fumarate bridged Co(II) coordination polymer

Kansiz S., DEGE N.

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CXLIV. Synthesis and Single Crystal X-Ray Structure of 3,5-Diphenyl-1-(phenylacetyl)-4,5-dihydro-1H-pyrazol

Kansiz S., Tinmaz F., İLHAN İ. Ö., Saripinar E., DEGE N.

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CXLV. Electrochemical and Spectroscopic Studies on the Interaction Modes of Calf Thymus DNA with

Antibacterial Schiff Bases obtained from Substituted Salicylaldehydes and Sulfamethizole

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- CXLVI. **Crystal structure, spectroscopic (FT-IR, H-1 and C-13 NMR) characterization and density functional theory calculations on Ethyl 2-(dichloromethyl)-4-methyl-1-phenyl-6-thioxo-1,6-dihydropyrimidine-5-carboxylate**

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- CXLVII. **The Crystallographic, Spectroscopic and Theoretical Studies on (E)-2-(((4-fluorophenyl)imino)methyl)-4-nitrophenol and (E)-2-(((3-fluorophenyl)imino)methyl)-4-nitrophenol Compounds**

Demirtas G., DEGE N., Açar E., Şahin S.

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- CXLVIII. **Structural features of 7-methoxy-5-methyl-2-(pyridin-3-yl)-11,12-dihydro-5,11-methano[1,2,4]triazolo[1,5-c][1,3,5]benzoxadiazocine: Experimental and theoretical (HF and DFT) studies, surface properties (MEP, Hirshfeld)**

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- CXLIX. **Synthesis, characterization, hirshfeld surface and theoretical properties of a new non-centrosymmetric inorganic/organic material: (C₇H₁₂N₂)(7)[β-SbMo₆O₂₄](2) center dot 8H₂O**

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- CL. **A theoretical and experimental study on isonitrosoacetophenone nicotinoyl hydrazone: Crystal structure, spectroscopic properties, NBO, NPA and NLMO analyses and the investigation of interaction with some transition metals**

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- CLI. **Crystal and Molecular Structure of N-(Phenylthio)phthalimide(1)**

TANAK H., Yakan H., Kütük H., Türköz Karakullukçu N., DEGE N.

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- CLII. **Synthesis of complexes Fe, Co and Cu supported by "SNS" pincer ligands and their ability to catalytically form cyclic carbonates**

SOĞUKÖMEROĞULLARI H. G., AYTAZ E., Ulusoy M., DEMİR S., DEGE N., Richeson D. S., Soenmez M.

INORGANICA CHIMICA ACTA, cilt.471, ss.290-296, 2018 (SCI-Expanded)

- CLIII. **Copper(II) complex with 6-methylpyridine-2-carboxylic acid: Experimental and computational study on the XRD, FT-IR and UV-Vis spectra, refractive index, band gap and NLO parameters**

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- CLIV. **Peripherally tetra-benzimidazole units-substituted zinc(II) phthalocyanines: Synthesis, characterization and investigation of photophysical and photochemical properties**

Sen P., YAŞA ATMACA G., ERDOĞMUŞ A., Kanmazalp S. D., DEGE N., Yildiz S. Z.

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- CLV. **Synthesis, characterization and computational studies of 3-((E)-[(2-hydroxyphenylimino)methyl]benzene-1,2-diol and molecular structure of its zwitterionic form**

Ezeorah J. C., Ossai V., Obasi L. N., Elzagheid M. I., Rhyman L., Lutter M., Jurkschat K., DEGE N., Ramasami P.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1152, ss.21-28, 2018 (SCI-Expanded)

- CLVI. **The crystallographic, spectroscopic and theoretical studies on (E)-2-(((4-chlorophenyl)imino)methyl)-5-(diethylamino)phenol and (E)-2-(((3-chlorophenyl)imino)methyl)-5-(diethylamino)phenol molecules**

Demirtas G., DEGE N., Ağar E., Uzun S. G.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1152, ss.199-206, 2018 (SCI-Expanded)

- CLVII. **New Benzimidazole Substituted Cobalt and Manganese Phthalocyanines as Hydrogen Peroxide Catalysts for Laundry Bleaching**

ŞEN P., Yıldız S. Z., Kanmazalp S. D., DEGE N.

MACROHETEROCYCLES, cilt.11, sa.3, ss.293-303, 2018 (SCI-Expanded)

- CLVIII. **Synthesis, characterization, spectroscopy, X-ray structure and gaussian hybrid computational investigation of (-)-(S)-1-[2-(benzenesulfonamido)-3-phenylpropanoyl]-4-[(4-methyl)phenyl]thiosemicarbazide**

Kanmazalp S. D., Basaran E., Karakucuk-Iyidogan A., Oruc-Emre E. E., ŞEN F., DEGE N.

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- CLIX. **Crystal and Molecular Structure of 3,5-Diphenyl-4,5-dihydro-2-phenylcarboxamide-1H-pyrazole**

TANAK H., İLHAN İ. Ö., DEGE N., Akin N., SARIPINAR E.

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- CLX. **Synthesis, characterization, and pharmacological studies of ferrocene-1H-1,2,3-triazole hybrids**

Haque A., Hsieh M., Hassan S. I., Faizi M. S. H., Saha A., DEGE N., Rather J. A., Khan M. S.

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- CLXI. **Tri-nuclear phthalocyanine complexes carrying N/O donor ligands as hydrogen peroxide catalysts, and their bleaching activity measurements by an online spectrophotometric method**

Sen P., DEGE N., Yıldız S. Z.

Journal of Coordination Chemistry, cilt.70, sa.16, ss.2751-2770, 2017 (SCI-Expanded)

- CLXII. **X-ray structures and spectroscopic properties of chiral thiosemicarbazides as studied by computational calculations**

Demir Kanmazalp S., Başaran E., Karaküçük-Iyidoğan A., Oruç-Emre E. E., DEGE N.

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- CLXIII. **Crystal structure of 3-(4-methoxyphenyl)-1-(4-methylphenyl)prop-2-en-1-one, C₁₇H₁₆O₂**

Köysal Y., Bülbül H., Ozdemir F., İLHAN İ. Ö., DEGE N.

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- CLXIV. **Synthesis, characterization and properties of nicotinamide and isonicotinamide complexes with diverse dicarboxylic acids**

ARICI M., YEŞİLEL O. Z., Acar E., DEGE N.

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- CLXV. **Functional Substituted Phthalocyanines Bearing Ter-pyridine Complexes as Macromolecular Oxidation Catalysts for Bleaching Systems**

Sen P., Yıldız S. Z., DEGE N., ATAKEY M., SALİH B.

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- CLXVI. **SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURE OF A NOVEL DECAVANADATE SALT, [V_{0.50}(H₂O)(5)]₂[H₂(V₁₀O₂₈)]center dot 4(H₂O)**

Biçer E., DEGE N., Coskun E.

JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, cilt.62, sa.3, ss.3610-3614, 2017 (SCI-Expanded)

- CLXVII. **Molecular structure, spectroscopic, and density functional theory studies of o-Dianisidine**

EVECEN M., TANAK H., DEGE N., KARA M., Doğan O. E., Ağar E.

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- CLXVIII. **Synthesis, characterization and crystal structure of a novel decavanadate salt, [V_{0.50}(H₂O)₅]₂[H₂(V₁₀O₂₈)]·4(H₂O)**

Biçer E., DEGE N., Coşkun E.

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- CLXIX. **Crystal structure of (E)-4-nitro-2-((2-phenoxy-phenylimino)methyl)phenol, C₁₉H₁₄N₂O₄**

Köysal Y., Bülbül H., Kantar E. N., Coskun E., Şahin S., DEGE N.

- ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, cilt.232, sa.1, ss.9-10, 2017 (SCI-Expanded)
- CLXX. **Crystal structure of (E)-3-((naphthalen-1-ylimino) methyl)-4-nitrophenol, C₁₇H₁₂N₂O₃**
Bülbül H., Köysal Y., Macit M., Yaman R., DEGE N.
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- CLXXI. **Experimental (XRD, IR and NMR) and theoretical investigations on 1-(2-nitrobenzoyl)3,5-bis(4-methoxyphenyl)-4,5-dihydro-1H-pyrazole**
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- CLXXII. **A new antibacterial silver(I) complex incorporating 2,5-dimethylpyrazine and the anti-inflammatory diclofenac**
Alışır S., DEGE N.
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- CLXXIII. **Synthesis, crystal structure and EPR studies of vanadyl doped [Co(2-nbH)(2)(ina)(2)(H₂O)] complex**
Bozkurt E., Celik Y., Copur F., DEGE N., Topcu Y., Karabulut B.
CHEMICAL PHYSICS LETTERS, cilt.659, ss.186-191, 2016 (SCI-Expanded)
- CLXXIV. **Synthesis, crystal structure analysis, spectral IR, NMR UV-Vis investigations, NBO and NLO of 2-benzoyl-N-(4-chlorophenyl)-3-oxo-3-phenylpropanamide with use of X-ray diffractions studies along with DFT calculations**
DEMİR S., Sarioglu A. O., Guler S., DEGE N., SÖNMEZ M.
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- CLXXV. **Aldehyde Substituted Phthalocyanines: Synthesis, Characterization and Investigation of Photophysical and Photochemical Properties**
Sen P., Yıldız S. Z., ERDOĞMUŞ A., DEGE N., ATALAY Y.
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- CLXXVI. **Molecular and crystal structure of 2-[(E)-[(4-Methylphenyl)imino]methyl]-4-nitrophenol: A redetermination**
Kaynar N. K., TANAK H., Şahin S., DEGE N., Ağar E., Yavuz M.
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- CLXXVII. **Vibrational spectroscopic studies, NMR, HOMO-LUMO, NLO and NBO analysis of 1-(2-nitrobenzoyl)-3,5-diphenyl-4,5-dihydro-1H-pyrazole with use X-ray diffractions and DFT calculations**
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- CLXXVIII. **A novel 3-acetoxy-2-methyl-N-(4-methoxyphenyl)benzamide: Molecular structural describe, antioxidant activity with use X-ray diffractions and DFT calculations**
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- CLXXIX. **The Synthesis, Characterization, Crystal Structure and Photophysical Properties of a New Meso-BODIPY Substituted Phthalonitrile**
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- CLXXX. **Synthesis, structural and spectroscopic evaluations and nonlinear optical properties of 3,5-bis(4-methoxyphenyl)-4,5-dihydro-1H-pyrazole-1-carbothioic O-acid**
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- CLXXXI. **Experimental and theoretical (DFT) studies of poly[octa-μ₃-acesulfamato-o, o:n, o';o',n:o, o-tetraaquatetrabarium(II)] and poly[octa-μ₃-acesulfamato-o, o:n, o';o', n:o, o-tetraaquatetrastrontium(II)] complexes**
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- CLXXXII. **EXPERIMENTAL AND THEORETICAL (DFT) STUDIES OF POLY[OCTA- μ (3)-ACESULFAMATO-O,O:N,O 'O 'N:O,O-TETRAAQUATETRABARIUM(II)] AND POLY[OCTA- μ (3)-ACESULFAMATO-O,O:N,O 'O 'N:O,O-TETRAAQUATETRASTRONTIUM(II)] COMPLEXES**
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- CLXXXIII. **Direct and solvent-assisted thione-thiol tautomerism in 5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3H)-thione: Experimental and molecular modeling study**
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- CLXXXIV. **The synthesis, characterization, crystal structure and theoretical calculations of a new meso-BOBIPY substituted phthalonitrile**
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- CLXXXV. **Crystal structure and spectroscopic characterization of (E)-2-(((4-bromo-2-(trifluoromethoxy)phenyl)imino)methyl)-4-nitrophenol: A combined experimental and computational study**
Tamer O., DEGE N., Demirtas G., AVCI D., ATALAY Y., Macit M., Şahin S.
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- CLXXXVI. **The synthesis, characterization and theoretical study on nicotinic acid [1-(2,3-dihydroxyphenyl)methylidene]hydrazide**
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- CLXXXVII. **An experimental and theoretical study on the novel (Z)-1-((naphthalen-2-ylamino)methylene)naphthalen-2(1H)-one crystal**
Tamer O., DEGE N., Demirtas G., AVCI D., ATALAY Y., Macit M., Agar A. A.
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- CLXXXVIII. **Molecular structure and EPR spectral studies of trans-Bis(perchlorato-kappa O)tetrakis(1-vinyl-1Himidazole-kappa N-3)copper(II)**
Kucuk K., Celik Y., Sahin R., Karabulut B., Andaç Ö., DEGE N.
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- CLXXXIX. **trans-Bis(perchlorato-kappa O) tetrakis(1-vinyl-1H-imidazole-kappa N3) copper(II)**
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- XI. **Crystal structure and Hirshfeld surface analysis of 6-((E)-2-{4-[2-(4-chlorophenyl)-2-oxoethoxy]pnen-yl}ethenyl)-4,5-dihyciopyrudazin-3(2H)-one**
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- XX. **Crystal structure and Hirshfeld surface analysis of [2-(1H-benzimidazol-2-yl-kappa N-3)aniline-kappa N]dichloridozinc(II) N,N-dimethylformamide monosolvate**
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- XXIV. **Crystal structure and Hirshfeld surface analysis of 4-(2,6-dichlorobenzyl)-6-[(E)-2-phenylethenyl]pyridazin-3(2H)-one**
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- XXV. **title Crystal structure, Hirshfeld surface analysis and DFT studies of (iE/i)-4-methyl-2-[(2-methyl-3-nitrophenyl)imino]methyl}phenol/title**
ÇINAR E. B., Faizi M. S. H., Yağcı N., Doğan O. E., Aydın A. S., AĞAR E., DEGE N., Mashrai A.
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- XXVII. **Crystal structure and Hirshfeld surface analysis of (E)-2-[(2-iodophenyl)imino]methyl}-6-methyl-phenol**
Kansiz S., Agar T., DEGE N., Doğan O. E., Ahmed R., Saif E.
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- XXVIII. **Crystal structure and Hirshfeld surface analysis of (E)-N-(4-propyloxybenzylidene)benzo[d]thiazol-2-amine**
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- XXIX. **title Synthesis, crystal structure and Hirshfeld surface analysis of 1,7-dimethyl-5a,6,11a,12-tetrahydrobenzo[i b / i] benzo[5,6][1,4]oxazino[2,3- ie / i][1,4]oxazine/title**
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- XXX. **Bis[tris(pyridin-2-yl)amine]iron(II) tris(dicyanomethylidene)methanediide**
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- XXXII. **Synthesis, crystal structure at 219 K and Hirshfeld surface analyses of 1,4,6-trimethylquinoxaline-2,3(1H,4H)-dione monohydrate**
Zouitini A., Faizi S. H., Ouzidan Y., Chahdi F. O., Marrot J., Prim D., DEGE N., Mashrai A.

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XXXIII. **Crystal structure, Hirshfeld surface analysis and DFT studies of 2-[(2-hydroxy-5-methylbenzylidene)amino]benzonitrile**

Faizi M. S. H., Cinar E. B., Aydin A. S., Ağar E., DEGE N., Mashrai A.

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XXXIV. **Crystal structure, Hirshfeld surface analysis and DFT studies of 4-methyl-2-[[4-(trifluoromethyl)phenyl]imino]methyl}phenol**

Faizi M. S. H., Cinar E. B., Doğan O. E., Aydin A. S., Ağar E., DEGE N., Mashrai A.

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XXXV. **Crystal structure, Hirshfeld surface analysis and DFT studies of (E)-2-[[4-(3-chloro-4-methylphenyl)imino]methyl]-4-methylphenol**

Faizi M. S. H., Cinar E. B., Aydin A. S., Ağar E., DEGE N., Mashrai A.

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XXXVI. **Synthesis, crystal structures and Hirshfeld surface analysis of 1,4-dibenzyl-6-methyl-1,4-dihydroquinoxaline-2,3-dione**

Cinar E. B., Zouitini A., Rodi Y. K., Ouzidan Y., Marrot J., Prim D., DEGE N., Saif E.

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

YAĞCI N. K., Faizi M. S. H., Aydin A. S., DEGE N., Doğan O. E., Ağar E., Mashrai A.

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

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

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

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

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XLI. **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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XLII. **Crystal structure and Hirshfeld surface analysis of 2-amino-3-hydroxypyridin-1-ium 6-methyl-2,2,4-trioxo-2H,4H-1,2,3-oxathiazin-3-ide**

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

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.76, ss.572-579, 2020 (ESCI)

XLIII. **Polymorphism of 2-(5-benzyl-6-oxo-3-phenyl-1,6-dihydropyridazin-1-yl)acetic acid with two monoclinic modifications: crystal structures and Hirshfeld surface analyses**

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

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.76, ss.432-445, 2020 (ESCI)

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

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

Chemical Data Collections, cilt.25, ss.100320, 2020 (Scopus)

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

Saraçoğlu H., Doğan O. E., Agar T., DEGE N., Iskenderov T. S.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.76, ss.141-148, 2020 (ESCI)

- XLVI. **Crystal structure and Hirshfeld surface analysis of a copper(II) complex with ethylenediamine and non-coordinated benzoate**

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)

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

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

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1930-1940, 2019 (ESCI)

- XLVIII. **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.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1857-1864, 2019 (ESCI)

- XLIX. **Crystal structure, Hirshfeld surface analysis and DFT studies of 6-[(E)-2-(thiophen-2-yl)etnenyl]-4,5-dihydropyridazin-3(2H)-one**

Daoui S., Cinar E. B., El Kalai F., Saddik R., DEGE N., Karrouchi K., Benchat N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1880-1887, 2019 (ESCI)

- L. **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.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1925-1934, 2019 (ESCI)

- LI. **Crystal structures and Hirshfeld surface analyses of 4-benzyl-6-phenyl-4,5-dihydropyridiazin-3(2H)-one and methyl 2-[5-(2,6-dichlorobenzyl)-6-oxo-3-phenyl-1,4,5,6-tetrahydropyridazin-1-yl]acetate**

Dadou S., Kansiz S., Daoui S., El Kalai F., Baydere C., Saddik R., Karrouchi K., DEGE N., Benchat N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1679-1693, 2019 (ESCI)

- LII. **Crystal structure and Hirshfeld surface analysis of (E)-6-(4-hydroxy-3-methoxystyryl)-4,5-dihydropyridazin-3(2H)-one**

Daoui S., Baydere C., El Kalai F., Saddik R., DEGE N., Karrouchi K., Benchat N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1734-1741, 2019 (ESCI)

- LIII. **Crystal structure and Hirshfeld surface analysis of 2,2'-[(1E,1'E)-[ethane-1,2-diylbis(azanylyunene)]-bis(methanylylidene)]bis[4-(traluorometnoxy)-phenol]copper(II) hydroquinone hermsioiyate**

Kansiz S., Meral S., DEGE N., Alaman Açar A., Fritsky I. O.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1729-1739, 2019 (ESCI)

- LIV. **Crystal structure and DFT study of a zinc xanthate complex**

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

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1582-1592, 2019

(ESCI)

- LV. 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.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1564-1572, 2019 (ESCI)
- LVI. Crystal structure and Hirshfeld surface analysis of 4-(4-methylbenzyl)-6-phenylpyridazin-3(2H)-one**
Daoui S., Cinar E. B., El Kalai F., Saddik R., Karrouchi K., Benchat N., Baydere C., DEGE N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1352-1361, 2019 (ESCI)
- LVII. Crystal structure and DFT study of benzyl 1-benzyl-2-oxo-1,2-dihydroquinoline-4-carboxylate**
Bouzian Y., Faizi M. S. H., Mague J. T., El Otmani B., DEGE N., Karrouchi K., Essassi E. M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.980-989, 2019 (ESCI)
- LVIII. Crystal structure, DFT and MEP study of (E)-2-[(2-hydroxy-5-methoxybenzylidene)amino]benzonitrile**
Faizi M. S. H., DEGE N., Cicek C., Ağar E., Fritsky I. O.
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- LIX. Crystal structure and the DFT and MEP study of 4-benzyl-2-[2-(4-fluorophenyl)-2-oxoethyl]-6-phenylpyridazin-3(2H)-one**
Daoui S., Faizi M. S. H., El Kalai F., Saddik R., DEGE N., Karrouchi K., Benchat N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.1030-1044, 2019 (ESCI)
- LX. Crystal structure and Hirshfeld surface analysis of ethyl 2-[5-(3-chlorobenzyl)-6-oxo-3-phenyl-1,6-di-hydropyridazin- 1-yl]acetate**
El Kalai F., Baydere C., Daoui S., Saddik R., DEGE N., Karrouchi K., Benchat N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.892-900, 2019 (ESCI)
- LXI. Crystal structure and Hirshfeld surface analysis of (Z)-6-[(2-hydroxy-4-methylanilino)methylidene]-4-methylcyclohexa-2,4-dien-1-one**
Kansiz S., Aydin A. S., DEGE N., Ağar E., Fritsky I. O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.785-792, 2019 (ESCI)
- LXII. Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile dimethyl sulfoxide monosolvate**
Kanmazalp S. D., Sen P., DEGE N., YILDIZ S. Z., Özdemir N., Golenya I. A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.780-790, 2019 (ESCI)
- LXIII. Crystal structure and Hirshfeld surface analysis of (Z)-6-[(2-hydroxy-5-nitroanilino)methylidene]-4-methylcyclohexa-2,4-dien-1-one**
Kansiz S., DEGE N., Aydin A. S., Ağar E., Matushko I. P.
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- LXIV. Crystal structure and Hirshfeld surface analysis of (E)-2-(2,4,6-trimethylbenzylidene)-3,4-dihydronaphthalen-1(2H)-one**
Baydere C., Tasci M., DEGE N., ARSLAN M., ATALAY Y., Golenya I. A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.746-755, 2019 (ESCI)
- LXV. 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.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.830-837, 2019 (ESCI)
- LXVI. Crystal structure and DFT study of (E)-2-chloro-4-[[2-(2,4-dinitrophenyl)hydrazin-1-ylidene]methyl]phenol acetonitrile hemisolvate**
DEGE N., Faizi M. S. H., Doğan O. E., Ağar E., Golenya I. A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.770-778, 2019 (ESCI)
- LXVII. Dichlorido{ iN/i , iN/i , $\text{iN/i}'$ -trimethyl- $\text{iN/i}'$ -(1 iH/i -pyrazol-1-yl- κ iN/i sup2/sup)methyl}ethane-1,2-diamine- κ sup2/sup iN/i , $\text{iN/i}'$ }copper(II) methanol monosolvate**

Singh R., Ali A., Faizi M. S., Singh R., Iskenderov T. S., DEGE N.

IUCR DATA, cilt.4, sa.5, 2019 (Hakemli Dergi)

- LXVIII. **Crystal structure and Hirshfeld surface analysis of 3-(4-methoxyphenyl)-1-methyl-4-phenyl-1H-pyrazolo[3,4-d]pyrimidine**
El Hafi M., Kansiz S., Lahmidi S., Boulhaoua M., Ramli Y., DEGE N., Essassi E. M., Mague J. T.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.638-646, 2019 (ESCI)
- LXIX. **Crystal structure and Hirshfeld surface analysis of 4-(2,6-dichlorobenzyl)-6-phenylpyridazin-3(2H)-one**
El Kali F., Kansiz S., Daoui S., Saddik R., DEGE N., Karrouchi K., Benchat N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.650-659, 2019 (ESCI)
- 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**
GÜMÜŞ M. K., Kansiz S., YÜKSEKTEPE ATAOL Ç., DEGE N., Fritsky I. O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.492-507, 2019 (ESCI)
- LXXI. **(Z)-3-([3-Methoxy-5-(trifluoromethyl)phenyl]imino)methylbenzene-1,2-diol**
Kanmazalp S. D., Doğan O. E., DEGE N., Ağar E., Bülbül H., Golenya I. A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.470-479, 2019 (ESCI)
- LXXII. **Synthesis, crystal structure, spectroscopic features and Hirshfeld surfaces of 2-methyl-3-[(2-methylphenyl)carbonyl]phenyl acetate**
Yaman M., ÇAKMAK Ş., DEGE N., ODABAŞOĞLU M., Pavlenko V. A., Kütük H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.423-435, 2019 (ESCI)
- LXXIII. **Crystal structure and Hirshfeld surface analysis of a Schitt base: (Z)-6-[(5-chloro-2-methoxyanilino)-methylidene]-2-hydroxycyclohexa-2,4-dien-1-one**
Kanmazalp S. D., Doğan O. E., Tasdemir O., DEGE N., Ağar E., Fritsky I. O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.362-371, 2019 (ESCI)
- LXXIV. **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]}**
Kanmazalp S. D., Meral S., DEGE N., Agar A. A., Fritsky I. O.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.328-337, 2019 (ESCI)
- LXXV. **Crystal structure and Hirshfeld surface analysis of N-{2-[(E)-(4-methylbenzylidene)amino]phenyl}-2-(5-methyl-1-H-pyrazol-3-yl)acetamide hemihydrate**
Chkirate K., Kansiz S., Karrouchi K., Mague J. T., DEGE N., Essassi E. M.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.154-167, 2019 (ESCI)
- LXXVI. **Crystal structure of 4-[(2-hydroxy-3-methoxybenzyl)amino]benzoic acid hemihydrate**
Kamaal S., Faizi M. S. H., Ali A., Ahmad M., Gupta M., DEGE N., Iskenderov T.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.159-167, 2019 (ESCI)
- LXXVII. **Crystal structure and Hirshfeld surface analysis of N,N'-[ethane-1,2-diylbis(oxy)]bis(4-methymenzone-sulfonamide)**
Meral S., Kansiz S., DEGE N., Alaman Ağar A., Tsapyuk G. G.
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- LXXVIII. **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)**
Sen P., Kansiz S., DEGE N.
Journal of the Turkish Chemical Society, Section A: Chemistry, cilt.6, sa.2, ss.189-200, 2019 (Scopus)
- LXXIX. **(Z)-3-Butyl-5-(4-nitrobenzylidene)thiazolidine-2,4-dione**
Faizi M. S., Lone M. N., DEGE N., Iskenderov T., Malinkin S.
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- LXXX. **Crystal structure and Hirshfeld surface analysis of 5-[(5-nitro-1H-indazol-1-yl)methyl]-3-phenyl-4,5-dihydroisoxazole**

- Boulhaoua M., Kansiz S., El Hafi M., Lahmidi S., DEGE N., Benchidmi M., Mague J. T.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.71-79, 2019 (ESCI)
- LXXXI. **Crystal structure and Hirshfeld surface analysis of a new benzodiazepine derivative: 4-dichloromethyl-2,3-dihydro-1H-1,5-benzochazepin-2-one**
 Chkirate K., Kansiz S., Karrouchi K., Mague J. T., DEGE N., Essassi E. M.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.75, ss.33-41, 2019 (ESCI)
- LXXXII. **Crystal structure and Hirshfeld surface analysis of (succinato-kappa O)[N,N,N',N'-tetrakis(2-hydroxyethyl)ethylenediamine-kappa(5) O,N,N',O',O']nickel(II) tetrahydrate**
 Kansiz S., DEGE N., Topcu Y., ATALAY Y., Gaidai S.
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- LXXXIII. **Crystal structure and Hirshfeld surface analysis of (E)-2,4-di-tert-butyl-6-[(3-chloro-4-methylphenyl-imino)methyl] phenol**
 Kansiz S., Macit M., DEGE N., Pavlenko V. A.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1887-1895, 2018 (ESCI)
- LXXXIV. **Synthesis, Molecular Structure, Spectroscopic and Computational Studies of (E)-tert-butyl (2-((3,5-di-tert-butyl-2-hydroxybenzylidene) amino)ethyl)carbamate as Functionalized Schiff Base**
 ŞEN P., YILDIZ S. Z., TAMER Ö., DEMİR KANMAZALP S., DEGE N.
 Karadeniz Chemical Science and Technology, sa.3, ss.27-32, 2018 (Hakemli Dergi)
- LXXXV. **Synthesis, crystallographic analysis and Hirshfeld surface analysis of 4-bromo-2-[[2-(5-bromo-2-nitrophenyl)hydrazin-1-ylidene]methyl]-5-fluorophenol**
 Yaman M., Aydemir E., DEGE N., Ağar E., Iskenderov T. S.
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- LXXXVI. **Crystal structure and Hirshfeld surface analysis of (E)-1-[(4,7-dimethylquinolin-2-yl)methylidene]semicarbazide dihydrate**
 Aydemir E., Kansiz S., DEGE N., Genç H., Gaidai S.
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- LXXXVII. **Crystal structure and Hirshfeld surface analysis of tetraaquabis(isonicotinamide-kappa N-1) nickel(II) fumarate**
 Kansiz S., Golenya I. A., DEGE N.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1536-1543, 2018 (ESCI)
- LXXXVIII. **Crystal structure of (E)-2,6-dimethoxy-4-[[[(4-methoxyphenyl)imino]methyl]phenol**
 Faizi M. S. H., Lone M. N., DEGE N., Malinkin S., Sliva T. Y.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1540-1547, 2018 (ESCI)
- LXXXIX. **Crystal structure of bis[(S)-2-(2-hydroxybenzylamino)-4-methylpentanoato-kappa N-2,O-1](1,10-phenanthroline-kappa N-2,N') cadmium dihydrate**
 Faizi M. S. H., DEGE N., Pogrebetsky J., Iskenderov T. S.
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- XC. **Crystal structure and Hirshfeld surface analysis of (E)-N-[(2-ethoxynaphthalen-1-yl)methylidene]-5,6,7,8-tetrahydronaphthalen-1-amine**
 Kansiz S., Macit M., DEGE N., Tsapyuk G. G.
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- XCI. **Crystal structure and Hirshfeld surface analysis and of 2-ammoniumylmethyl-1H-benzimidazol-3-ium chloride monohydrate**

ŞEN P., Kansiz S., DEGE N., Yildiz S. Z., Tsapyuk G. G.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1517-1528, 2018 (ESCI)

- XCII. **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**

GÜMÜŞ M. K., Kansiz S., DEGE N., Kalibabchuk V. A.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1211-1223, 2018 (ESCI)

- XCIII. **Synthesis of a novel benzimidazole moiety-appended schiff base derivative: Fluorescence and chemosensor study**

Sen P., Zeki Yildiz S., DEGE N., YAŞA ATMACA G., ERDOĞMUŞ A., Dege M.

Journal of the Turkish Chemical Society, Section A: Chemistry, cilt.5, sa.3, ss.1375-1386, 2018 (Scopus)

- XCIV. **Synthesis, crystal structure and Hirshfeld surface analysis of a 1D coordination polymer catenapoly[[diaquabis(nicotinamide-kappa N-1)nickel(II)]-mu-fumarato-kappa O-2(1):O-4]**

Kansiz S., DEGE N., Kalibabchuk V. A.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1263-1270, 2018 (ESCI)

- XCV. **Structural characterization and DFT study of bis{(S)-2-[(2-hydroxybenzyl)amino]-3-(4-hydroxyphenyl)propanoato-kappa N-2,O}(1,10-phenanthroline-kappa N-2,N ')cadmium(II) tetrahydrate**

Faizi M. S. H., DEGE N., Pogrebetsky J., Iskenderov T. S.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1339-1351, 2018 (ESCI)

- XCVI. **Crystal structure and Hirshfeld surface analysis of N,N '-bis(3-tert-butyl-2-hydroxy-5-methylbenzylidene)ethane-1,2-diamine**

ŞEN P., Kansiz S., Golenya I. A., DEGE N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1147-1157, 2018 (ESCI)

- XCVII. **Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile monohydrate**

ŞEN P., Kansiz S., DEGE N., Iskenderov T. S., Yildiz S. Z.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.994-1002, 2018 (ESCI)

- XCVIII. **Synthesis, crystal structure and Hirshfeld surface analysis of tetraaquabis(isonicotinamide-kappa N-1)-cobalt(II) succinate**

Kansiz S., Malinkin S., DEGE N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.1026-1033, 2018 (ESCI)

- XCIX. **Crystal Structure of 3-Acetoxy-2-methyl-N-(4-nitrophenyl)benzamide**

Kansiz S., ÇAKMAK Ş., DEGE N., Meral G., Kütük H.

X-RAY STRUCTURE ANALYSIS ONLINE, cilt.34, ss.17-18, 2018 (ESCI)

- C. **Crystal structure and Hirshfeld surface analysis of 7-ethoxy-5-methyl-2-(pyridin-3-yl)-11,12-dihydro-5,11-methano[1,2,4]triazolo[1,5-c][1,3,5]benzoxadiazocine**

Aydemir E., Kansiz S., GÜMÜŞ M. K., Gorobets N. Y., DEGE N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.367-376, 2018 (ESCI)

- CI. **Synthesis, crystal structure and Hirshfeld surface analysis of tetraaquabis(isonicotinamide-kappa N-1)-cobalt(II) fumarate**

Kansiz S., Almarhoon Z. M., DEGE N.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.217-224, 2018 (ESCI)

- CII. **Crystal structure of 2,3-dimethoxy-N-(4-nitrophenyl)benzamide**

Yaman M., Almarhoon Z. M., ÇAKMAK Ş., Kütük H., Meral G., DEGE N.

- ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.74, ss.41-49, 2018 (ESCI)
- CIII. **Crystal structure and DFT study of (E)-2,6-di-tert-butyl-4-[[2-(pyridin-2-yl)hydrazin-1-ylidene)methyl]phenol**
Faizi M. S. H., Haque A., Dege M., DEGE N., Malysheva M. L.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.73, ss.1449-1457, 2017 (ESCI)
- CIV. **Crystal structure and DFT study of (E)-N-[2-(1H-indol-3-yl)ethyl]-1-(anthracen-9-yl)methanimine**
Faizi M. S. H., DEGE N., Malinkin S., Sliva T. Y.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, cilt.73, ss.1329-1338, 2017 (ESCI)
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LV. Crystal Structure Analysis, Spectroscopic Characterization and Theoretical Calculations of: (E)-4-bromo-5-methoxy-2-((p-tolylimino)methyl)phenol

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