

Prof. MEHMET AKKURT

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 33106

Fax Phone: [+90 352 437 4933](tel:+903524374933)

Email: akkurt@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/akkurt/>

International Researcher IDs

ORCID: 0000-0003-2421-0929

Publons / Web Of Science ResearcherID: U-6443-2018

Yoksis Researcher ID: 2422

Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Natural Sciences

Academic Titles / Tasks

Professor, Erciyes University, Fen Fakültesi, Fizik, 1980 - Continues

Academic and Administrative Experience

Erciyes University, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel Benzotriazole- β -lactam Derivatives as Antimalarial Agents: Design, Synthesis, Biological Evaluation and Molecular Docking Studies**
Aye M., Jarrahpour A., Haghighijoo Z., Heiran R., Pournajati R., Karbalaeei-Heidari H. R., Sinou V., Brunel J. M., Akkurt M., Oezdemir N., et al.
CHEMISTRY & BIODIVERSITY, vol.21, no.2, 2024 (SCI-Expanded)
- II. **Nonlinear optical properties of novel crystalline complexes of cobalt (II) and nickel (II) with 4-bromo-3-methyl-1H-pyrazole: combined experimental and computational study**
Hussain S., Muhammad S., Talib S. H., Akkurt M., Mahsud A., Yang Z., Wang H., Lu Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1296, 2024 (SCI-Expanded)
- III. **Synthesis, structural characterization, Hirshfeld surface analysis and anti-corrosion on mild steel in 1M HCl of ethyl 2-(3-methyl-2-oxo-1,2-dihydroquinoxaline-1-yl)acetate**
Missiouï M., Idrissi M. B., Benhiba F., Atioglud Z., AKKURT M., Oudda H., Mague J. T., Essassi E. M., Zarrouk A., Ramli Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1251, 2022 (SCI-Expanded)
- IV. **Synthesis, crystal structure, hirshfeld surface analysis, DFT computations and molecular dynamics study of 2-(benzyloxy)-3-phenylquinoxaline**
Abad N., Lgaz H., Atioglu Z., AKKURT M., Mague J. T., Ali I. H., Chung I., Salghi R., Essassi E. M., Ramli Y.

Journal of Molecular Structure, vol.1221, 2020 (SCI-Expanded)

- V. **Investigation of structural, spectral, electronic, and biological properties of 1,3-disubstituted benzimidazole derivatives**
AKKOÇ S., TÜZÜN B., İLHAN İ. Ö., AKKURT M.
Journal of Molecular Structure, vol.1219, 2020 (SCI-Expanded)
- VI. **Investigations of antiproliferative and antioxidant activity of beta-lactam morpholino-1,3,5-triazine hybrids**
Ranjbari S., Behzadi M., Sepehri S., Aseman M. D., Jarrahpour A., Mohkam M., Ghasemi Y., Akbarizadeh A. R., Kianpour S., Atioglu Z., et al.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.28, no.8, 2020 (SCI-Expanded)
- VII. **New Cobalt(II) and Copper(II) Thiocyanate Complexes of 2,5-Bis(pyridin-2-yl)-1,3,4-oxadiazole Ligand: Synthesis, Crystal Structures, Spectral Properties and Hirshfeld Surface Analysis**
Rhoufal F., Laachir A., Guesmi S., Jouffret L., Sergent N., Obbade S., AKKURT M., Bentiss F.
CHEMISTRYSELECT, vol.4, no.26, pp.7773-7783, 2019 (SCI-Expanded)
- VIII. **Synthesis, characterization, crystal structures, theoretical calculations and biological evaluations of novel substituted tacrine derivatives as cholinesterase and carbonic anhydrase enzymes inhibitors**
Okten S., Ekiz M., Kocyigit U. M., Tutar A., Celik I., AKKURT M., Gokalp F., Taslimi P., GÜLÇİN İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1175, pp.906-915, 2019 (SCI-Expanded)
- IX. **Synthesis of some novel indeno[1,2-b]quinoxalin spiro-beta-lactam conjugates**
Rad J. A., Jarrahpour A., Ersanli C. C., ATİOĞLU Z., AKKURT M., TUROS E.
TETRAHEDRON, vol.73, no.8, pp.1135-1142, 2017 (SCI-Expanded)
- X. **Facile and convenient synthesis of 2,4-disubstituted and 2,3,4-trisubstituted 1,3-thiazoles**
Hassan A. A., Mohamed S. K., Mohamed N. K., El-Shaieb K. M. A., Abdel-Aziz A. T., Mague J. T., AKKURT M.
JOURNAL OF SULFUR CHEMISTRY, vol.37, no.2, pp.162-175, 2016 (SCI-Expanded)
- XI. **Iron(III) and nickel(II) complexes of O,N,N,O-chelating benzophenone thiosemicarbazone: Electrochemistry and in situ spectroelectrochemistry**
Kurt Y., KOCA A., AKKURT M., Ulkuseven B.
INORGANICA CHIMICA ACTA, vol.388, pp.148-156, 2012 (SCI-Expanded)
- XII. **STRUCTURE OF DIETHYLGERMANIUM DIPHENYLSILICON OXIDE AND CONFORMATION OF 8-MEMBERED RINGS WITH SILICON AND GERMANIUM**
AKKURT M., KOK T., FALESCHINI P., RANDACCIO L., PUFF H., SCHUH W.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.470, pp.59-66, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Crystal structure and Hirshfeld surface analysis of 1-[6-bromo-2-(3-bromophenyl)-1,2,3,4-tetrahydroquinolin-4-yl]pyrrolidin-2-one**
Pronina A. A., Kutasevich A. G., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., Javadzade T. A., Akkurt M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 9, pp.967-972, 2024 (ESCI)
- II. **Synthesis, molecular and crystal structure of [(NH₂)₂CSSC(NH₂)₂]₂[RuBr₆]Br₂·3H₂O**
Rudnitskaya O. V., Komarovskikh M. R., Pekarskaya M. G., Pshenichnyy D. S., AKKURT M., Khalilov A. N., Bhattarai A., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 8, pp.886-889, 2024 (ESCI)
- III. **Crystal structure of bis[(η⁵-tert-butylcyclopentadienyl)tricarbonylmolybdenum(I)](Mo-Mo)**
Ibrahimova N. Z., Tagiyev D. B., Lyatifov I. U., AKKURT M., Hasanov K. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 8, pp.882-885, 2024 (ESCI)
- IV. **Crystal structure and Hirshfeld surface analysis of 1-[6-bromo-2-(4-fluorophenyl)-1,2,3,4-tetrahydroquinolin-4-yl]pyrrolidin-2-one**
Pronina A. A., Podrezova A. G., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 7, pp.777-782, 2024 (ESCI)

- V. **Crystal structure and Hirshfeld surface analysis of (Z)-4-oxo-4-[phenyl]-(thiophen-2-yl)methylamino}but-2-enoic acid**
Podrezova A. G., Nikitina E. V., Grigoriev M. S., AKKURT M., Hasanov K. I., Sadikhova N. D., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 6, pp.572-576, 2024 (ESCI)
- VI. **Synthesis, crystal structure and Hirshfeld surface analysis of (3Z)-4-[(4-Amino-1,2,5-oxadiazol-3-yl)amino]-3-bromo-1,1,1-Trifluorobut-3-en-2-one**
Guseinov F. I., Çelikesir S. T., AKKURT M., Ovsyannikov V. O., Ugrak B. I., Lavrova O. M., Samigullina A. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 6, pp.582-585, 2024 (ESCI)
- VII. **Crystal structure and Hirshfeld surface analysis of 3,3'-[ethane-1,2-diylbis(oxy)]bis(5,5-dimethylcyclohex-2-en-1-one) including an unknown solvate**
Sadikhova N. D., AKKURT M., Ismayilov V. M., Yusubov N. N., Hasanov K. I., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 6, pp.615-619, 2024 (ESCI)
- VIII. **Crystal structure and Hirshfeld surface analysis of dimethyl 2-oxo-4-(pyridin-2-yl)-6-(thiophen-2-yl)cyclohex-3-ene-1,3-dicarboxylate**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Huseynov E. Z., Bhattarai A., Khalilov A. N., Mamedov İ. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 6, pp.654-658, 2024 (ESCI)
- IX. **Crystal structure and Hirshfeld surface analysis of 2,4-diamino-6-[(1*Z*,3*E*)-1-cyano-2,4-diphenylpenta-1,3-dien-1-yl]pyridine-3,5-dicarbonitrile monohydrate**
Mamedov I. G., Khrustalev V. N., AKKURT M., Kerimli F. S., Bhattarai A., Khalilov A. N., Naghiyev F. N.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.80, pp.495-500, 2024 (ESCI)
- X. **Crystal structure and Hirshfeld surface analysis of (Z)-4-([2-(benzo[b]thiophen-3-yl)cyclopent-1-en-1-yl]methyl)(phenyl)amino)-4-oxobut-2-enoic acid**
Yakovleva E. D., Shelukho E. R., Grigoriev M. S., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.80, pp.537-542, 2024 (ESCI)
- XI. **Crystal structure and Hirshfeld surface analysis of dimethyl 4'-bromo-3-oxo-5-(thiophen-2-yl)-3,4,5,6-tetrahydro-[1,1'-biphenyl]-2,4-dicarboxylate**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Asadov K. A., Bhattarai A., Khalilov A. N., Mamedov I. G.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.80, pp.446-451, 2024 (ESCI)
- XII. **Crystal structure and Hirshfeld surface analysis of 4-oxo-3-phenyl-2-sulfanylidene-5-(thiophen-2-yl)-3,4,7,8,9,10-hexahydro-2H-pyrido[1,6-a:2,3-d']-dipyrimidine-6-carbonitrile**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Mamedov H. M., Bhattarai A., Khalilov A. N., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 3, pp.325-329, 2024 (ESCI)
- XIII. **Crystal structure and Hirshfeld surface analysis of 6-imino-8-(4-methylphenyl)-1,3,4,6-tetrahydro-2H-pyrido[1,2-a]pyrimidine-7,9-dicarbonitrile**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Dobrokhotova E. V., Bhattarai A., Khalilov A. N., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 4, pp.378-382, 2024 (ESCI)
- XIV. **Syntheses, characterizations, crystal structures and Hirshfeld surface analyses of methyl 4-[4-(difluoro-methoxy)phenyl]-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate, isopropyl 4-[4-(difluoromethoxy)phenyl]-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate and tert-butyl 4-[4-(difluoromethoxy)phenyl]-2,6,6-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate**
Yıldırım S. Ö., AKKURT M., Pehlivanlar E., ÇETİN G., ŞİMŞEK R., Butcher R. J., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, pp.281-288, 2024 (ESCI)
- XV. **Crystal structure and Hirshfeld surface analysis of 8-benzyl-1-[(4-methylphenyl)sulfonyl]-2,7,8,9-tetrahydro-1H-3,6:10,13-diepoxy-1,8-benzodiazacyclopentadecine ethanol hemisolvate**
Burkin G. M., Kvyatkovskaya E. A., Khrustalev V. N., Hasanov K. I., Sadikhova N. D., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 4, pp.418-422, 2024 (ESCI)
- XVI. **Crystal structure and Hirshfeld surface analysis of (E)-2-[2-(2-amino-1-cyano-2-oxoethylidene)hydrazin-1-yl]benzoic acid N,N-dimethylformamide monosolvate**
Hajjiyeva S. R., Huseynov F. E., Atioğlu Z., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, pp.110-116, 2024 (ESCI)

- XVII. **Crystal structures and Hirshfeld surface analyses of methyl 4-{2,2-dichloro-1-[(E)-phenyldiazenyl]eth-enyl}benzoate, methyl 4-{2,2-dichloro-1-[(E)-(4-methylphenyl) diazenyl]ethenyl}benzoate and methyl 4-{2,2-dichloro-1-[(E)-(3,4-dimethylphenyl)-diazenyl]ethenyl}benzoate**
Shikhaliyev N. Q., Ibrahimova S. A., Atakishiyeva G. T., Ahmedova N. E., Babayeva G. V., Khrustalev V. N., Atioglu Z., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, pp.184-190, 2024 (ESCI)
- XVIII. **Crystal structure and Hirshfeld surface analysis of (2E)-1-phenyl-3-(1H-pyrrol-2-yl)propen-1-one**
Safarova A. S., Khalilov A. N., AKKURT M., Maharramov A. M., Bhattarai A., Naghiyev F. N., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, pp.191-195, 2024 (ESCI)
- XIX. **Crystal structure and Hirshfeld surface analysis of 4-(2-chloroethyl)-5-methyl-1,2-dihydropyrazol-3-one**
Naghiyev F. N., Khrustalev V. N., AKKURT M., Dukhnovsky E. A., Bhattarai A., Khalilov A. N., Mamedov I. G.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, pp.223-227, 2024 (ESCI)
- XX. **Crystal structure and Hirshfeld surface analysis of 3-benzyl-2-[bis(1H-pyrrol-2-yl)methyl]thiophene**
Sadikhova N. D., Atioğlu Z., Guliyeva N. A., Shelukho E. R., Polyanskaya D. K., Khrustalev V. N., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 1, pp.72-77, 2024 (ESCI)
- XXI. **Crystal structure and Hirshfeld surface analysis of diethyl (3aS,3a1R,4S,5S,6R,6aS,7R,9aS)-3a1,5,6,6a-tetrahydro-1H,3H,4H,7H-3a,6:7,9a-diepoxybenzo[de]isochromene-4,5-dicarboxylate**
Sadikhova N. D., Atioğlu Z., Guliyeva N. A., Podrezova A. G., Nikitina E. V., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 1, pp.83-87, 2024 (ESCI)
- XXII. **Crystal structure and Hirshfeld surface analysis of dimethyl 4-hydroxy-5,4'-dimethyl-2'-(toluene-4-sulfonylamino)biphenyl-2,3-dicarboxylate**
Guliyeva N. A., Burkin G. M., Annadurdyeva S., Khrustalev V. N., Atioğlu Z., AKKURT M., Bhattarai A.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 1, pp.62-66, 2024 (ESCI)
- XXIII. **Crystal structure of [1,3-bis(2,4,6-trimethylphenyl)imidazolidin-2-ylidene]dichlorido(2-[(2-methoxyethyl)(methyl)amino]methyl)benzylidene)ruthenium**
Mammadova G. Z., Atioğlu Z., AKKURT M., Grigoriev M. S., Volchkov N. S., Azizova A. N., Bhattarai A., Antonova A. S.
Acta Crystallographica Section E: Crystallographic Communications, vol.80, no.Pt 1, pp.50-53, 2024 (ESCI)
- XXIV. **CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF 4-{2,2-DICHLORO-1-[(E)-(2,4-DICHLOROPHENYL) DIAZENYL]ETHENYL}-N,N-DIMETHYLANILINE 4-{2,2-DİXLOR-1-[(E)-(2,4-DİXLORFENİL)DİAZENİL]ETENİL}-N,N-DİMETİLANİLİN KRİSTAL QURULUŞU VƏ HİRŞFELD SƏTH ANALIZI КРИСТАЛЛИЧЕСКАЯ СТРУКТУРА И АНАЛИЗ ПОВЕРХНОСТИ ПО ХИРШФЕЛЬДУ 4-{2,2-ДИХЛОП-1-[(E)-(2,4-ДИХЛОПФЕНИЛ)ДИАЗЕНИЛ]ЭТЕНИЛ}-N,N-ДИМЕТИЛАНИЛИНА**
Maharramov A., Askerova U., Ahmedova N., Askarov A., Tagiyev D., Gahramanova S., Shikhaliyeva I., Mukhtarova S., Akkurt M.
Chemical Problems, vol.22, no.4, pp.499-508, 2024 (Scopus)
- XXV. **CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF 4AZIDO-2-(4-METHOXYPHENYL)-5-(2-NITROPHENYL)-2H-1,2,3-TRIAZOLE SYNTHESIZED ON THE BASIS OF DIBROMODIAZADIENE**
Abdullayeva A. A., Ahmedova N. E., Atakishiyeva G. T., Ahmedova I. C., Babazade B. M., Akkurt M., Maharramov A. M., Shikhaliyev N. Q.
NEW MATERIALS COMPOUNDS AND APPLICATIONS, vol.8, no.2, pp.149-161, 2024 (ESCI)

Metrics

Publication: 874

Citation (WoS): 2282

Citation (Scopus): 2269

H-Index (WoS): 18

H-Index (Scopus): 18

Non Academic Experience

Erciyes Üniversitesi, Öğretim Üyesi