Murad A. AlDamen

Professor of Inorganic Chemistry / The University of Jordan

The University of Jordan, School of Science, 11942, Amman, Jordan.

00962775680341

maldamen@ju.edu.jo, aldamen@gmail.com

http://eacademic.ju.edu.jo/maldamen/default.aspx

Professional Interests

X-Ray Crystallography, Crystal Engineering, Magnetism: Inorganic Magnetic clusters and Inorganic molecule-based magnets, Magneto-structural properties, Models in Molecular Magnetism, Theoretical Inorganic Chemistry, Clusters, MOFs, Luminescent Materials, Polyoxometalates Chemistry

Education

2004-2008 PhD in Inorganic Chemistry / University of Valencia/Spain
***Thesis title:** Theoretical Study of Polyoxometalates with Interest in Molecular Magnetism (**Cum Laude**)*
2004-2006 DEA (Diploma de Estudios Avanzados)/University of Valencia/Spain
2002-2004 MSc in Chemistry / University of Jordan/Jordan
***Thesis Title:** Building Synthons in the Structures of 2-Amino-4,6-Dimethylpyridine and 3,5-Dibromo-2-Amino-4,6-Dimethylpyridine with Halides and Metal Halides*
1998-2002 BSc in Chemistry /University of Jerash/Jordan

Academic Ranks

Full Prof. in Inorganic chemistry	*The University of Jordan*	*9/2017*
Associated Prof. in Inorganic chemistry	*The University of Jordan*	*9/2013*
Assistant Prof. in Inorganic chemistry	*The University of Jordan*	*9/2009*

Scientific achievements

TWAS Young Affiliates 2016-2020
IUPAC committee (Inorganic Division) 2022-2023, 2025-2026
TWAS Regional Awards in Development of Scientific Educational Material 2019
Executive committee (representative) of TYAN 2019-2021

Academic Positions

Current: Professor of Inorganic Chemistry, The University of Jordan
2024-now head of the department of chemistry / The University of Jordan
2024 (summer) dean of quality and international accreditation / The University of Jordan
2020-2022 Head of Chemistry Department in Taibah University / Alula
2018-2020 Vice dean of quality and development in faculty of science and arts at alula.
2012-2013 Assistant to the dean of quality (Faculty of Science / The University of Jordan)
2014-2015 Assistant to the dean of quality (Faculty of Science / The University of Jordan)

Research

ResearcherID: *C-7393-2011*
ORCID: *https://orcid.org/0000-0002-1582-*
RG: *https://www.researchgate.net/profile/Murad_AlDamen/*
GS: *https://scholar.google.com/citations?user=Nn7PZaIAAAAJ&hl=en*
Official website: *http://eacademic.ju.edu.jo/maldamen*

Scientific organization memberships

Jordan Chemical Society 2008-
Spanish Royal Society of Chemistry 2004-2008, 2015-2016
American Chemical Society (ACS) 2020-2021

Publications (ISI and Scopus; Last five years only)

Research indicators (scopus)

	Google scholar
h-index	**22**
Citation	**2923**
No. Publications	**89**

Publication (2020-2025)

2025 Synthesis and anti-cancer evaluation of aminoacetylene maleimide hybrids. Chemical Papers. DOI: 10.1007/s11696-025-04196-0. IF: 2.1, Q3

2025 Imidazole function appended Zn(II)-based complex with acetylsalicylic acid: Synthesis, characterization and its application as photocatalytic agent for degradation of organic dyes. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2025.142580. IF: 3.8, Q2

2025 Sustainable green synthesis of high-performance Fe2O3@CeO2-pullulan nanocomposite for efficient dye removal, and antifungal applications. International Journal of Biological Macromolecules. DOI: 10.1016/j.ijbiomac.2025.142533. IF: 8.2, Q1

2025 Harnessing Cd(II)-based efficient photocatalyst with nitrogen gas adsorption: A green approach towards environmental remediation. Inorganic Chemistry Communications. DOI: 10.1016/j.inoche.2025.115227. IF: 4.0, Q2

2025 Synthesis, crystal structure, photocatalytic properties and Hirshfeld surface analysis of Co(II)-based complex: An environmental approach for degradation of organic dyes. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2025.141661. IF: 3.8, Q2

2025 Perchlorate-supported Cu(II)-based 1D polymeric chains containing 1,10-phenanthroline: synthesis, characterization and adsorption of organic dyes and heavy metal ions. CrystEngComm. DOI: 10.1039/d4ce01126k. IF: 2.7, Q2

2025 Cu(II)-based complex with carboxylate moiety: Structure, characterization, Hirshfeld surface analysis and adsorption properties towards methylene blue. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2025.143074. IF: 3.8, Q2

2025 Synthesis, Structural Aspects, Magnetic, and Adsorption Properties of a Dinuclear Cu (II) Complex Derived From Mixed Ligand Approach. Applied Organometallic Chemistry. DOI: 10.1002/aoc.7891. IF: 3.8, Q2

2025 New Zn(II) diaqua complex with pivalic acid: Synthesis, characterization, DFT calculations, photoluminescence and photocatalytic properties. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2024.139327. IF: 3.8, Q2

2025 Nanocrystalline iron oxide and sulfide by the thermal decomposition of cyclohexylammonium hexaisothiocyanatoferrate(III) 2.5H2O. Scientific Reports. DOI: 10.1038/s41598-025-98046-4. IF: 4.6, Q1

2024 An Oxalato-Bridged Cu(II)-Based 1D Polymer Chain: Synthesis, Structure, and Adsorption of Organic Dyes. Polymers. DOI: 10.3390/polym16121742. IF: 4.9, Q1

2024 Green synthesis, characterization, and multifunctional applications of Ag@CeO2 and Ag@CeO2-pullulan nanocomposites for dye degradation, antioxidant, and antifungal activities. International Journal of Biological Macromolecules. DOI: 10.1016/j.ijbiomac.2024.135862. IF: 8.2, Q1

2024 High nuclearity heterometallic [Fe7Ln4] neutral coordination clusters with electrocatalytic activity for water oxidation. International Journal of Hydrogen Energy. DOI: 10.1016/j.ijhydene.2023.10.046. IF: 7.2, Q1

2024 A new paddle wheel type Cu(II) complex with photoluminescence and photocatalytic properties. Inorganic Chemistry Communications. DOI: 10.1016/j.inoche.2024.112176. IF: 4.0, Q2

2024 Photocatalytic degradation of methylene blue dye and electrocatalytic water oxidation over copper(II) complex with mixed ligands. Journal of Photochemistry and Photobiology A: Chemistry. DOI: 10.1016/j.jphotochem.2023.115095. IF: 4.3, Q2

2024 1D Mn coordination polymer derived from sulfanilic acid: Synthesis, structure, adsorption properties and Hirshfeld surfaces analysis. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2023.136581. IF: 3.8, Q2

2024 Development of pivalic acid conjugated Nafion modified glassy carbon electrode for sensitive detection of Cu(II) by electrochemical approach. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2024.122309. IF: 2.6, Q3

2024 New cobalt(II) coordination complex for adsorption of Rhodamine B dye and its mechanistic pathway. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2024.122251. IF: 2.6, Q3

2024 A coordination polymer of Na-Fe(III) with EDTA: synthesis, characterization, electrical conductivity, adsorption properties and Hirshfeld surface analysis. Adsorption. DOI: 10.1007/s10450-024-00504-4. IF: 3.3, Q2

2024 A Zn-based Zig-Zag 1D chain type coordination polymer for removal of methylene blue dye from an aqueous solution. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2023.121756. IF: 2.6, Q3

2023 Green Synthesis of Ni/Fe3O4/rGO Nanocomposites for Desulfurization of Fuel. ACS Applied Nano Materials. DOI: 10.1021/acsanm.3c03270. IF: 5.9, Q1

2023 Synthesis, Molecular Docking Study, and Molecular Dynamics Simulation of New 1,3-Dimethyl-5-methylidenebarbituric Acid Derivatives Prepared by Cyclobutane Cleavage. Russian Journal of General Chemistry. DOI: 10.1134/S1070428023030120. IF: 1.0, Q4

2023 Exploring electrochemical and magnetic properties of Fe(III) coordination cluster: An efficient electrocatalyst for water oxidation. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2023.121726. IF: 2.6, Q3

2023 Unusual oxygen...oxygen dichalcogen bond in an oxo-centered trinclear iron coordination cluster. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2022.134318. IF: 3.8, Q2

2022 Butterfly-like Heteronuclear 3d–4f Metal Clusters: Synthesis, Structures, Magnetic Properties, and Magnetocaloric Effect. Crystal Growth & Design. DOI: 10.1021/acs.cgd.1c01149. IF: 3.2, Q2

2022 Synthesis, structures, and magnetic properties of Fe4-Ln2 (Ln = Tb, Ho, and Er) clusters with N, N, N', N'-tetrakis-(2-hydroxyethyl)ethylenediamine. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2022.120920. IF: 2.6, Q3

2022 Heterometallic decanuclear [Fe6–Ln4] coordination clusters with enzymatic mimic activity: Synthesis, structures, magnetic properties, and evaluation of catecholase activity. Applied Organometallic Chemistry. DOI: 10.1002/aoc.6707. IF: 3.8, Q2

2022 A new hexanuclear Fe(iii) nanocluster: synthesis, structure, magnetic properties, and efficient activity as a precatalyst in water oxidation. Dalton Transactions. DOI: 10.1039/d2dt01822e. IF: 4.0, Q2

2022 A new {Cu3-Gd2} cluster as a two-in-one functional material with unique topology acting as a refrigerant and adsorbent for cationic dye. CrystEngComm. DOI: 10.1039/d2ce00795a. IF: 2.7, Q2

2022 Structure, DFT studies and evaluation of catechol oxidase (CO) mimic activity of mononuclear Co(II) complexes derived from aminoalcohols: an experimental and theoretical approach. Journal of Biomolecular Structure and Dynamics. DOI: 10.1080/07391102.2021.1916598. IF: 4.4, Q3

2022 Inclusion and release of cytisine in mesoporous silicate materials: an agent for smoking cessation. Journal of Porous Materials. DOI: 10.1007/s10934-021-01185-y. IF: 2.6, Q3

2021 Exploring the Role of Intramolecular Interactions in the Suppression of Quantum Tunneling of the Magnetization in a 3d-4f Single-Molecule Magnet. Inorganic Chemistry. DOI: 10.1021/acs.inorgchem.0c03682. IF: 4.6, Q2

2021 Cationic dye adsorption and separation at discrete molecular level: First example of an iron cluster with rapid and selective adsorption of methylene blue from aqueous system. New Journal of Chemistry. DOI: 10.1039/d0nj05242f. IF: 3.3, Q2

2021 Elucidating the contribution of solvent on the catecholase activity in a mononuclear Cu(II) system: An experimental and theoretical approach. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2021.130878. IF: 3.8, Q2

2021 Understanding the Formation of 5-(Diethylammoniothio)-1,3-dimethylbarbituric Acid: Crystal Structure and DFT Studies. Journal of Chemical Crystallography. DOI: 10.1007/s10870-020-00846-1. IF: 1.2, Q4

2020 Heterometallic (3d-4f) Coordination Clusters with Unique Topology: Self-Assembly Synthesis, Structural Features, and Magnetic Properties. Crystal Growth & Design. DOI: 10.1021/acs.cgd.0c00737. IF: 3.2, Q2

2020 Structural and dft study of 1-(3-amino-1,4-dioxo-1,4-dihydronaphthalen-2-yl)-3,4-dichloro-1h-pyrrole-2,5-dione: Hypothesis for the ring closure. Heterocyclic Communications. DOI: 10.3987/COM-20-14293. IF: 0.8, Q4

2020 Design, Synthesis and Characterization of Novel Isoxazole Tagged Indole Hybrid Compounds. Open Chemistry. DOI: 10.1515/chem-2020-0017. IF: 2.1, Q3

2020 Synthesis, characterization and biological evaluation of metal adamantyl 2-pyridylhydrazone complexes. Molecules. DOI: 10.3390/molecules25112530. IF: 4.2, Q2

2020 Crystal Structure and Magnetic Properties of a New Wells-Dawson [β-P2CoW17O62]10– Polyoxoanion. Journal of Structural Chemistry. DOI: 10.1134/S0022476620040083. IF: 1.0, Q4

2020 Synthesis, crystal structure, DFT calculations, molecular docking study and Hirshfeld surface analysis of alkoxido-bridged dinuclear iron(III) complex. Research on Chemical Intermediates. DOI: 10.1007/s11164-020-04198-5. IF: 3.0, Q3

2020 A two dimensional Co(II) metal–organic framework with bey topology for excellent dye adsorption and separation: Exploring kinetics and mechanism of adsorption. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2020.119900. IF: 2.6, Q3

2020 Exploring solvent dependent catecholase activity in transition metal complexes: An experimental and theoretical approach. New Journal of Chemistry. DOI: 10.1039/c9nj04374h. IF: 3.3, Q2

Publication (>2020)

2019 A paddle wheel dinuclear Copper(II) carboxylate: Crystal structure, thermokinetic and magnetic properties. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2019.06.095. IF: 3.8, Q2

2019 The crystal structure of 3-(1H-benzo[d]imidazol-2-yl)-7-chloro-1-cyclopropyl-6-fluoro-1,4-dihydroquinolin - Dimethylsulfoxide (1/1), C21H19ClFN3O2S. Zeitschrift für Kristallographie - New Crystal Structures. DOI: 10.1515/ncrs-2018-0599. IF: 0.5, Q4

2019 The role of hydrogen bonding in π···π stacking interactions in Ni(II) complex derived from triethanolamine: synthesis, crystal structure, antimicrobial, and DFT studies. Research on Chemical Intermediates. DOI: 10.1007/s11164-019-03927-9. IF: 3.0, Q3

2018 Synthesis, characterization, crystal structure, and DFT study of a new square planar Cu(II) complex containing bulky adamantane ligand. Molecules. DOI: 10.3390/molecules23030701. IF: 4.2, Q2

2018 Supertetrahedral T2 clusters in 3d-4f {Fe4Ln6}: Synthesis, crystal structure, magnetic and photoluminescent properties. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2018.06.009. IF: 2.6, Q3

2018 Effect of ligand substitution on the SMM properties of three isostructural families of double-cubane Mn4Ln2 coordination clusters. Dalton Transactions. DOI: 10.1039/c7dt04304j. IF: 4.0, Q2

2018 Synthesis Characterization, Crystal Structure, and Fluorescence of a New Samarium Schiff Base Complex. Journal of Structural Chemistry. DOI: 10.1134/S0022476618080243. IF: 1.0, Q4

2018 Structure and Magnetic Properties of a New Lattice System of the Heterometallic Decanuclear Ce6Mn4 Aggregate. Journal of Structural Chemistry. DOI: 10.1134/S0022476618030113. IF: 1.0, Q4

2018 Structure-based design: Synthesis, X-ray crystallography, and biological evaluation of N-substituted-4-hydroxy-2-quinolone-3-carboxamides as potential cytotoxic agents. Anti-Cancer Agents in Medicinal Chemistry. DOI: 10.2174/1871520617666170911171152. IF: 2.3, Q4

2017 1D cerium(III) coordination polymer with pivalate bridges: Synthesis, structure and magnetic properties. Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2017.03.068. IF: 3.8, Q2

2017 An azide-bridged copper(II) 1D-chain with ferromagnetic interactions: synthesis, structure and magnetic studies. Transition Metal Chemistry. DOI: 10.1007/s11243-017-0169-1. IF: 1.2, Q4

2017 The crystal structure of ethyl 4-((2-hydroxybenzyl)amino)benzoate, a Schiff base, C16H17NO3. Zeitschrift für Kristallographie - New Crystal Structures. DOI: 10.1515/ncrs-2016-0383. IF: 0.5, Q4

2017 Ring opening of cyclobutane in 1,3-dimethyl-5-methylenebarbituric acid dimer by various nucleophiles. Zeitschrift für Naturforschung B. DOI: 10.1515/znb-2017-0016. IF: 0.9, Q4

2017 Na14[(H2P4W6O34)2Co2Na2(H2O)2]·26H2O: A New, Carbon-Free, Polyoxometalate Catalyst for Water Oxidation. Journal of Cluster Science. DOI: 10.1007/s10876-017-1278-x. IF: 3.5, Q2

2017 Alkoxo- and carboxylato-bridged hexanuclear copper(II) complex: Synthesis, structure and magnetic properties. Inorganic Chemistry Communications. DOI: 10.1016/j.inoche.2017.06.012. IF: 4.0, Q2

2017 3D oxalato-bridged lanthanide(iii) MOFs with magnetocaloric, magnetic and photoluminescence properties. Dalton Transactions. DOI: 10.1039/c6dt03843c. IF: 4.0, Q2

2017 Synthesis, characterization, X-ray structure, computational studies, and bioassay of novel compounds combining thiophene and benzimidazole or 1,2,4-triazole moieties. Chemistry Central Journal. DOI: 10.1186/s13065-017-0280-6. IF: 2.5, Q3

2017 Hydrothermal Synthesis, Crystal Structure, and Photoluminescent Properties of Li[UO2(CH3COO)3]3[Co(H2O)6]. Crystallography Reports. DOI: 10.1134/S1063774517070021. IF: 0.6, Q4

2017 Synthesis and characterization of a mixed-valent Mn11–La2 aggregate with benzoate. Monatshefte für Chemie - Chemical Monthly. DOI: 10.1007/s00706-016-1820-9. IF: 1.8, Q4

2016 Crystal Structures, Optical Properties, and TD-DFT Study of a Zinc(II) Schiff-Base Complex Derived from Salicylaldehyde and N1-(3-aminopropyl)Propane-1,3-Diamine. Journal of Chemical Crystallography. DOI: 10.1007/s10870-016-0670-y. IF: 1.2, Q4

2016 Inorganic architecture based on a {[Ca(H2O)]6[P4W6O34]2}12– building block: Countercation effect on the lattice symmetry. Journal of Structural Chemistry. DOI: 10.1134/S0022476616040132. IF: 1.0, Q4

2015 Synthesis, characterization, X-ray structures, and biological activity of some metal complexes of the Schiff base 2,2'-(((azanediylbis(propane-3,1-diyl))bis(azanylylidene))bis(methanylylidene))diphenol. Polyhedron. DOI: 10.1016/j.poly.2014.09.006. IF: 2.3, Q3

2015 Synthesis, characterization, and antimicrobial activity of Schiff bases derived from benzaldehydes and 3,3'-diaminodipropylamine. Arabian Journal of Chemistry. DOI: 10.1016/j.arabjc.2012.12.039. IF: 6.0, Q1

2015 Synthesis and Crystal Structure of New Lacunary Wells–Dawson with an Unprecedented Eu-Substituted Sandwiched Cluster. Journal of Cluster Science. DOI: 10.1007/s10876-015-0867-9. IF: 3.5, Q2

2014 Crystallographic and theoretical studies of 1-(1-naphthyl)-2-thiourea with intermolecular N-H.S heteroatom interaction and N-H.π interaction. Journal of Structural Chemistry. DOI: 10.1134/S0022476614010089. IF: 1.0, Q4

2014 Microwave-assisted synthesis of new adamantyltriazine derivatives. Letters in Organic Chemistry. DOI: 10.2174/15701786113106660063. IF: 0.8, Q4

2013 New catalysts for the chemoselective reduction of α,β- unsaturated ketones: Synthesis, spectral, structural and DFT characterizations of mixed ruthenium(II) complexes containing 2-ethene-1,3-bis(diphenylphosphino) propane and diamine ligands. Polyhedron. DOI: 10.1016/j.poly.2013.07.024. IF: 2.3, Q3

2013 Theoretical and experimental study of lone pair interactions in THF/chloranilic acid system. Structural Chemistry. DOI: 10.1007/s11224-012-0067-2. IF: 2.1, Q3

2013 4-Chlorobutyl 7-chloro-1-cyclopropyl-4-(1,3-diethyl-4,6-dioxo-2- sulfanylidene-1,3-diazinan-5-ylidene)-6-fluoro-1,4-dihydroquinoline-3- carboxylate. Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S1600536813016024. IF: 0.5, Q4

2013 Effects of molybdenum concentration and valence state on the structural and magnetic properties of BaFe11.6MoxZn 0.4-xO19 hexaferrites. Acta Metallurgica Sinica (English Letters). DOI: 10.1007/s40195-013-0075-2. IF: 2.0, Q3

2012 Ruthenium complexes incorporating azoimine and α-diamine based ligands: Synthesis, crystal structure, electrochemistry and DFT calculation. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2011.12.050. IF: 2.6, Q3

2012 Cis-trans Isomerism in mixed-ligand ruthenium(II) complexes containing bis(phosphine) and azoimine ligands. Polyhedron. DOI: 10.1016/j.poly.2012.04.044. IF: 2.3, Q3

2012 Synthesis, crystal structure and thermodynamic calculations of 1,3-diethyl-5-(diethylaminium)methylene-2-thiobarbituric acid adduct. Journal of Chemical Crystallography. DOI: 10.1007/s10870-011-0263-8. IF: 1.2, Q4

2012 2-(4-Methylphenyl)quinoline-4-carboxylic acid. Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S160053681203797X. IF: 0.5, Q4

2012 Bis{(E)-3-[(2-hydroxybenzylidene)amino]propyl}ammonium chloride. Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S1600536812045424. IF: 0.5, Q4

2011 Ruthenium(II) complexes with tetradentate pyridylthioazoimine [N,S,N,N] ligands: Synthesis, crystal structure and spectroscopy. Polyhedron. DOI: 10.1016/j.poly.2011.05.026. IF: 2.3, Q3

2011 A new mixed multi-metallic calcium-cobalt-phosphotungstate with nano wheel-like polyanion: Na 6Ca 3[Ca 2(H 2O) 6Co 9(OH) 3(H 2O) 6(HPO 4) 2(PW 9O 34) 3]. Journal of Coordination Chemistry. DOI: 10.1080/00958972.2011.638377. IF: 2.1, Q3

2011 The nonclassical noncovalent interactions control: A case study of the crystal structure of 3,5-dibromo-2-amino-4,6-dimethylpyridinium tetrahalocuprate [3,5-DBr-2-A-4,6-DMPH]2CuX4 (X = Cl, and Br). Journal of Molecular Structure. DOI: 10.1016/j.molstruc.2010.09.052. IF: 3.8, Q2

2010 Trans-Dichlorido(2,2-dimethyl-propane-1,3-diamine)-bis-(triphenyl-phosphane)ruthenium(II). Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S1600536810019276. IF: 0.5, Q4

2009 Mononuclear lanthanide single molecule magnets based on the polyoxometalates [Ln(W5O18)2]9- and [Ln(β2-SiW11O39)2]13- (LnIII) Tb, Dy, Ho, Er, Tm, and Yb). Inorganic Chemistry. DOI: 10.1021/ic801630z. IF: 4.6, Q2

2008 Mononuclear lanthanide single-molecule magnets based on polyoxometalates. Journal of the American Chemical Society. DOI: 10.1021/ja801659m. IF: 15.0, Q1

2006 The role of non-classical supramolecular interactions in the structures of 2-amino-4,6-dimethylpyridinium tetrahalocuprate (II) salts. Inorganica Chimica Acta. DOI: 10.1016/j.ica.2005.05.039. IF: 2.6, Q3

2005 Effects of variable docking conditions and scoring functions on corresponding protein-aligned comparative molecular field analysis models constructed from diverse human protein tyrosine phosphatase 1B inhibitors. Journal of Medicinal Chemistry. DOI: 10.1021/jm058047o. IF: 7.3, Q1

2005 Ligand-based assessment of factor Xa binding site flexibility via elaborate pharmacophore exploration and genetic algorithm-based QSAR modeling. European Journal of Medicinal Chemistry. DOI: 10.1016/j.ejmech.2004.10.014. IF: 6.7, Q1

2004 3-Arnmonio-2,6-dibromopyridine bromide hemihydrate. Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S1600536804018793. IF: 0.5, Q4

2004 A copper(I) iodide chain with the 2-amino-4,6-dimethylpyridine cation. Acta Crystallographica Section E: Structure Reports Online. DOI: 10.1107/S1600536803027715. IF: 0.5, Q4

Teaching Experience

The University of Jordan: Teaching Assistant

General and Inorganic chemistry courses, Research methods in chemistry, Crystallography and X-Ray Diffraction (Master).

Conferences

2017 1st International Conference of TWAS Young Affiliates Network, Rio de Janero, Brasil (Oral Presentation)

2017 Chemistry and Biological Sciences conference in Al al-Bayt University (PhD student participation)

2016 Sustainability in Food and Water: An Arab Viewpoint (TWAS-ARO) (Participant)

2012 11th Jordanian conference on Chemistry, Mafraq, Jordan (Poster participation)

2011 7th SESAME JORDANIAN WORKSHOP, Amman, Jordan (Speaker)

2010 EuAsC2S-11, Dead sea, Jordan, (Poster)

2010 60th Meeting of Nobel Laureates in Lindau, COMSTECH (Organization of Islamic Conference Standing Committee on Scientific and Technological Cooperation) fellowship

2007 COST meeting D37-DeciQ, Toulouse, France (Oral Presentation)

2005 International Symposium on Nano-structures and Physicochemical Properties of Polyoxometalates, Superclusters and Related Colloid Particles, Lyon, France.

2004 VII Escuela Nacional De Materiales Moleculares, Boí Taull, Spain (Oral Participation)