

# Muhammet Kose

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	N-substituted benzenesulfonamide compounds: DNA binding properties and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 7424-7438.	2.0	13
2	New imino-methoxy derivatives: design, synthesis, characterization, antimicrobial activity, DNA interaction and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 11082-11094.	2.0	11
3	A new 3-substituted BODIPY dye: Synthesis, crystal structure, photophysical, non-linear optic and OLED properties. Journal of Molecular Structure, 2022, 1252, 132090.	1.8	5
4	Synthesis, characterization and investigation of photophysical and biological properties of Cu(II) and Zn(II) complexes of benzimidazole ligands. Applied Organometallic Chemistry, 2022, 36, .	1.7	7
5	Synthesis, characterization and catalytic transfer hydrogenation properties of Ru(II) complexes. Transition Metal Chemistry, 2022, 47, 77.	0.7	2
6	Design, synthesis and biological evaluation of biguanids and biguanid-sulfonamides as cholinesterase inhibitors. Journal of Molecular Structure, 2022, 1260, 132817.	1.8	3
7	A guanylurea ligand and its Cu(II), Ni(II) and Zn(II) complexes: antibacterial activities and DNA binding properties. Inorganic and Nano-Metal Chemistry, 2021, 51, 627-635.	0.9	4
8	Manganese(II) complexes derived from acyclic ligands having flexible alcohol arms: structural chracterization and SOD and catalase mimetic studies. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 100-110.	0.2	1
9	Benzimidazole ligands with allyl, propargyl or allene groups, DNA binding properties, and molecular docking studies. Applied Organometallic Chemistry, 2021, 35, e6323.	1.7	12
10	Half-sandwich ruthenium(II) complexes containing 4-substituted aniline derivatives: structural characterizations and catalytic properties in transfer hydrogenation of ketones. Transition Metal Chemistry, 2021, 46, 457-464.	0.7	4
11	A Gossypol-hydrazone compound and its sensing properties towards metal ions and nitro-phenolic compounds. Journal of Molecular Structure, 2021, 1236, 130310.	1.8	4
12	Structural characterization, DNA binding properties and molecular docking studies of imine compounds derived from Disperse black 9. Journal of Molecular Structure, 2021, 1243, 130776.	1.8	6
13	Transition metal complexes of a benzimidazole ligand containing two heptyl chains: Synthesis, crystal structures, photophysical and thermal properties. Journal of Molecular Structure, 2020, 1200, 127073.	1.8	5
14	Bidentate ligands and their Cu(II) complexes: Structural characterization, electrochemical properties and biological evaluation. Journal of Molecular Structure, 2020, 1199, 127059.	1.8	3
15	Cu(II) complexes of biguanidine ligands: Structural characterisation, DNA binding and antimicrobial properties. Journal of Molecular Structure, 2020, 1204, 127533.	1.8	10
16	Tridentate benzimidazole ligand and its metal complexes: Synthesis, characterization, photo physical and sensor properties. Applied Organometallic Chemistry, 2020, 34, e5992.	1.7	9
17	Supramolecular lead(<sc>ii</sc>) architectures engineered by tetrel bonds. CrystEngComm, 2020, 22, 2389-2396.	1.3	29
18	Benzaldehyde derivatives with functional propargyl groups as $\alpha$ -glucosidase inhibitors. Journal of Molecular Structure, 2020, 1206, 127780.	1.8	14

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19	Azo-azomethine based palladium(II) complexes as catalysts for the Suzuki-Miyaura cross-coupling reaction. Journal of Molecular Structure, 2020, 1216, 128279.	1.8	9
20	Synthesis, characterization and antibacterial effect of diarylmethylamine-based imines. Journal of Molecular Structure, 2020, 1214, 128150.	1.8	5
21	Water soluble biguanide salts and their 1,3,5-triazine derivatives as inhibitors of acetylcholinesterase and $\alpha$ -glucosidase. Zeitschrift Fur Kristallographie - Crystalline Materials, 2020, 235, 465-475.	0.4	2
22	A biguanide derivative and its cyclic analogue: Structural characterization, AChE inhibitory effect and docking studies. Journal of Molecular Structure, 2019, 1196, 491-498.	1.8	6
23	Mn (II) and Zn (II) complexes of a benzimidazole ligand having undecyl chains: Crystal structures, photophysical and thermal properties. Applied Organometallic Chemistry, 2019, 33, e5224.	1.7	4
24	The metal complexes of new Schiff bases containing phosphonate groups and catalytic properties for alkane oxidation. Applied Organometallic Chemistry, 2019, 33, e4970.	1.7	5
25	Absorption, redox and aggregation properties of new $\beta$ , $\beta$ -diamino-porphyrin based ligands and their Cu(II) complexes. Journal of Molecular Structure, 2019, 1190, 148-159.	1.8	3
26	New azo-azomethine based transition metal complexes: Synthesis, spectroscopy, solid-state structure, density functional theory calculations and anticancer studies. Applied Organometallic Chemistry, 2019, 33, e4954.	1.7	25
27	Fluorimetric detections of nitroaromatic explosives by polyaromatic imine conjugates. Journal of Molecular Structure, 2019, 1185, 369-378.	1.8	21
28	New diazo-containing phenolic oximes: structural characterization, computational studies, and solvent extraction of Cu(II), Ni(II), and Zn(II) ions. Turkish Journal of Chemistry, 2019, 43, 197-212.	0.5	5
29	New Sm (III) and Nd (III) complexes: Synthesis, structural characterization and fluorescent sensing of nitroaromatic compounds. Applied Organometallic Chemistry, 2019, 33, e4843.	1.7	6
30	A new NiCe complex derived from ortho-vanillin: Structural characterization and luminescence properties. Journal of Molecular Structure, 2019, 1175, 882-888.	1.8	3
31	Structural characterization of disperse black 9 based Cu (II) complex and investigation of its some properties. Applied Organometallic Chemistry, 2019, 33, e4764.	1.7	2
32	Synthesis, structural characterization, electrochemical, photoluminescence, antiproliferative and antioxidant properties of Co(II), Cu(II) and Zn(II) complexes bearing the azo-azomethine ligands. Journal of Molecular Structure, 2019, 1182, 63-71.	1.8	29
33	Triazine based Mn (II) and Mn (II)/Ln (III) complexes: Synthesis, characterization and catecholase activities. Applied Organometallic Chemistry, 2019, 33, e4721.	1.7	8
34	Structural characterizations, photophysical and biological properties of Disperse black 9 dye and $\beta$ -extended imine derivatives. Dyes and Pigments, 2018, 154, 62-74.	2.0	8
35	Antiproliferative, antioxidant, computational and electrochemical studies of new azo-containing Schiff base ruthenium(II) complexes. New Journal of Chemistry, 2018, 42, 2952-2963.	1.4	22
36	Selective detections of nitroaromatic explosives by monomeric and polymeric Bi(III) complexes. Sensors and Actuators B: Chemical, 2018, 264, 363-371.	4.0	27

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37	Structural characterization and antioxidant properties of Cu(II) and Ni(II) complexes derived from dicyandiamide. <i>Journal of Molecular Structure</i> , 2018, 1152, 29-36.	1.8	11
38	Pamoic acid esters and their xanthene derivatives: Fluorimetric detection of nitroaromatic compounds and non-linear optical properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3344-3354.	4.0	26
39	Cobalt(II), nickel(II) and copper(II) complexes of a Schiff base ligand: synthesis, structural characterization and luminescence properties. <i>Transition Metal Chemistry</i> , 2018, 43, 73-81.	0.7	12
40	Half-sandwich Ruthenium(II) arene complexes bearing the azo-azomethine ligands: Electrochemical, computational, antiproliferative and antioxidant properties. <i>Journal of Organometallic Chemistry</i> , 2018, 870, 76-89.	0.8	21
41	New fluorescent azo-Schiff base Cu(II) and Zn(II) metal chelates; spectral, structural, electrochemical, photoluminescence and computational studies. <i>Journal of Molecular Structure</i> , 2017, 1137, 461-475.	1.8	23
42	Hydrogen bond directed 1D to 3D structures of square-planar Ni(II) complexes and their antimicrobial studies. <i>Inorganica Chimica Acta</i> , 2017, 462, 281-288.	1.2	9
43	Multifunctional metallo porphyrin-imine conjugates: Photophysical, electrochemical, DNA binding and SOD enzyme mimetic studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 236-248.	2.0	8
44	The new O,O and N,O type ligands and their Cu(II) and Ni(II) complexes: Crystal structure, absorption-emission properties and superoxide dismutase mimetic studies. <i>Inorganica Chimica Acta</i> , 2017, 462, 130-141.	1.2	13
45	Two seven-coordinate Mn(II) complexes derived from pentadentate ligands: Structural characterization and investigation of photophysical properties. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1711-1717.	0.9	1
46	Synthesis, crystal structure, photoluminescence and electrochemical properties of a sandwiched Ni <sub>2</sub> Ce complex. <i>Journal of Molecular Structure</i> , 2017, 1150, 274-278.	1.8	5
47	Synthesis, crystal structure and spectroscopic properties of ethanol solvated Î±-Keggin heteropolymolybdate. <i>Journal of Molecular Structure</i> , 2017, 1147, 622-628.	1.8	2
48	Computational and experimental studies of 2-[(E)-hydrazinylidenemethyl]-6-methoxy-4-[(E)-phenyldiazenyl]phenol and its tautomers. <i>Journal of Molecular Structure</i> , 2016, 1119, 413-422.	1.8	29
49	Methoxy group containing bidentate Schiff base ligands and their transition metal complexes: Synthesis, structural characterisation, photoluminescence, antioxidant capacity and superoxide dismutase activity studies. <i>Inorganica Chimica Acta</i> , 2016, 453, 522-530.	1.2	27
50	Structural, computational and cytotoxic studies of square planar copper(II) complexes derived from dicyandiamide. <i>Polyhedron</i> , 2016, 117, 652-660.	1.0	19
51	Photoluminescence, electrochemical, SOD activity and selective chemosensor properties of novel asymmetric porphyrin-Schiff base compounds. <i>Dyes and Pigments</i> , 2016, 130, 37-53.	2.0	27
52	Synthesis, characterization and non-linear optical properties of two mononuclear Cu(II) complexes of 2,6-bis(1-butylbenzimidazol-2-yl)pyridine. <i>Journal of Coordination Chemistry</i> , 2016, 69, 497-507.	0.8	8
53	New bio-active azo-azomethine based Cu(II) complexes. <i>Inorganica Chimica Acta</i> , 2016, 444, 166-175.	1.2	37
54	A novel porphyrin derivative and its metal complexes: Electrochemical, photoluminescence, thermal, DNA-binding and superoxide dismutase activity studies. <i>Journal of Molecular Structure</i> , 2016, 1105, 293-307.	1.8	14

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55	Synthesis, structural characterization and photoluminescence properties of a novel La(III) complex. Journal of Molecular Structure, 2015, 1088, 129-137.	1.8	6
56	Structural characterisation and photoluminescence of a pyridine-azomethine compound. Journal of Structural Chemistry, 2015, 56, 1353-1359.	0.3	1
57	Structural characterization, electrochemical, photoluminescence and thermal properties of potassium ion-mediated coordination polymer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 8-14.	2.0	1
58	SOD activity and DNA binding properties of a new symmetric porphyrin Schiff base ligand and its metal complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 821-838.	2.0	23
59	A new Salen-type azomethine ligand and its Ni(II), Cu(II) and Zn(II) complexes: Synthesis, spectral characterization, crystal structure and photoluminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 966-973.	2.0	20
60	Synthesis of two new azo-azomethines; spectral characterization, crystal structures, computational and fluorescence studies. Journal of Molecular Structure, 2015, 1094, 183-194.	1.8	20
61	New tridentate azomethines and their copper(II) complexes: Synthesis, solvent effect on tautomerism, electrochemical and biological studies. Journal of Molecular Structure, 2015, 1096, 64-73.	1.8	31
62	Anticancer, photoluminescence and electrochemical properties of structurally characterized two imine derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 731-743.	2.0	15
63	An azo-azomethine ligand and its copper(II) complex: Synthesis, X-ray crystal structure, spectral, thermal, electrochemical and photoluminescence properties. Inorganica Chimica Acta, 2015, 430, 268-279.	1.2	39
64	Mono-, di- and tri-nuclear manganese(II) complexes derived from a quinquedentate ligand: Superoxide dismutase and catalase mimetic studies. Inorganica Chimica Acta, 2015, 435, 232-238.	1.2	23
65	Synthesis, characterization, X-ray structure and photoluminescence properties of two Ce(III) complexes derived from pentadentate ligands. Journal of Molecular Structure, 2015, 1101, 33-40.	1.8	9
66	A novel Schiff base: Synthesis, structural characterisation and comparative sensor studies for metal ion detections. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1388-1394.	2.0	15
67	Monodentate Schiff base ligands: Their structural characterization, photoluminescence, anticancer, electrochemical and sensor properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 477-485.	2.0	61
68	Crystal structure of the 2:1 complex of 2,6-dichloro-4-nitrophenol with 1,4-dioxane. Journal of Structural Chemistry, 2014, 55, 1623-1626.	0.3	0
69	Synthesis and X-ray powder diffraction, electrochemical, and genotoxic properties of a new azo-Schiff base and its metal complexes. Turkish Journal of Chemistry, 2014, 38, 222-241.	0.5	36
70	Mn(II) complexes of a tridentate benzimidazole ligand: Synthesis, structural characterisation and catalase mimetic studies. Polyhedron, 2014, 75, 30-39.	1.0	26
71	A novel azo-azomethine based fluorescent dye and its Co(II) and Cu(II) metal chelates. Journal of Molecular Liquids, 2014, 200, 105-114.	2.3	25
72	Preparation, spectral, X-ray powder diffraction and computational studies and genotoxic properties of new azo-azomethine metal chelates. Journal of Molecular Structure, 2014, 1076, 213-226.	1.8	28

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73	Spectral, structural and quantum chemical computational and dissociation constant studies of a novel azo-enamine tautomer. Journal of Molecular Structure, 2014, 1074, 449-456.	1.8	26
74	Synthesis, characterization, and antimicrobial properties of two Cu(II) complexes derived from a benzimidazole ligand. Journal of Coordination Chemistry, 2014, 67, 2377-2392.	0.8	4
75	A novel azo-aldehyde and its Ni(II) chelate; synthesis, characterization, crystal structure and computational studies of 2-hydroxy-5-[(E)-[4-(propan-2-yl)phenyl]diazenyl]benzaldehyde. Journal of Molecular Structure, 2014, 1065-1066, 191-198.	1.8	19
76	Two Cu(II) complexes from an N-alkylated benzimidazole: synthesis, structural characterization, and biological properties. Journal of Coordination Chemistry, 2014, 67, 1746-1759.	0.8	9
77	Synthesis, characterization and antimicrobial studies of 2-[(E)-[(2-hydroxy-5-methylphenyl)imino]methyl]-4-[(E)-phenyldiazenyl]phenol as a novel azo-azomethine dye. Journal of Molecular Structure, 2013, 1053, 89-99.	1.8	44
78	Structural characterization of some Schiff base compounds: Investigation of their electrochemical, photoluminescence, thermal and anticancer activity properties. Journal of Luminescence, 2013, 143, 623-634.	1.5	57
79	Structural characterization, luminescence and electrochemical properties of the Schiff base ligands. Journal of Luminescence, 2012, 132, 2917-2928.	1.5	26
80	Tetradentate Schiff base ligands and their complexes: Synthesis, structural characterization, thermal, electrochemical and alkane oxidation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 382-398.	2.0	27
81	Novel polymeric potassium complex: Its synthesis, structural characterization, photoluminescence and electrochemical properties. Journal of Luminescence, 2012, 132, 850-857.	1.5	13
82	Crystal Structure of Bis(5,17-dihydroxy-3,7,15,19,25,26-hexa-azatricyclo(19.3.1.19,13)hexacos-1(25),2,7,9(26),10,12,14,19,21,23-decane-1,2-perchlorate 1,3-Diaminopropan-2-ol. Journal of Chemical Crystallography, 2011, 41, 577-581.	0.5	3
83	Crystal structure, spectroscopic and redox behaviour of novel imidazolidine ligand. Journal of Molecular Structure, 2011, 985, 167-172.	1.8	3
84	Bis{tris[2-(2-oxidobenzylideneazaniumyl)ethyl]amine- $\cdot 3\text{O}_2$ }calcium bis(perchlorate) acetonitrile disolvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m149-m149.	0.2	0
85	Bis{2,6-bis[(2-hydroxy-5-methylphenyl)iminomethyl]pyridine} monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3193-o3193.	0.2	1
86	Structural characterization and electrochemical properties of novel salicylidene phosphonate derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 219-225.	2.0	6
87	Water soluble porphyrin-Schiff base ligands and their metal complexes: Synthesis, photophysical, electrochemical, and chemosensor properties. Applied Organometallic Chemistry, 0, , e6534.	1.7	2