

CURRICULUM VITAE

PERSONAL DATA

Name	Ahmed Bayoumi Mohamed Ibrahim
Nationality	Egyptian
Position	Assistant Professor
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EDUCATION

Year	Academic Degree	Institution
2015	Ph.D.	Philipps University, Marburg, Germany
2010	M.Sc.	Assiut University, Egypt
2005	B.Sc.	Assiut University, Egypt

WORK EXPERIENCE

Period	Position	Address
23.6.2021- 24.11.2023	Associate Professor	Faculty of Science, Assiut University, Egypt
31.7.2015-22.6.2021	Lecturer	Faculty of Science, Assiut University, Egypt
27.6.2010-30.7-2015	Assistant Lecturer	Faculty of Science, Assiut University, Egypt
28.12.2005- 26.6.2010	Demonstrator	Faculty of Science, Assiut University, Egypt

RESEARCH INTERESTS

- Preparation of coordination and organometallic compounds.
- Preparation of cluster compounds.
- Preparation of micro-scaled and nano-scaled materials based on calcination, hydrothermal and ultrasound assisted techniques.
- Characterization of the materials by various methods including XRD, ICP, SEM, TEM, spectroscopy (NMR, IR, UV-Vis.), surface area and porosity measurements, elemental analyses, electrical conductivity measurements, magnetic

susceptibility and SQUID measurements, XRF and thermal analysis.

PUBLICATIONS

1. Amna S.A. Zidan, Hanan K. Mosbah, Aref A.M. Aly, Ahmed B.M. Ibrahim, Peter Mayer, Saber H. Saber, *Synthesis, X-ray structure and anticancer activity evaluation of a binuclear La(III) complex with anthranilic acid, Natural Product Research*, <https://www.tandfonline.com/doi/abs/10.1080/14786419.2022.2148246?journalCode=gnpl20> (published online).
2. Ghada Abd-Elmonsef Mahmoud, Ahmed B.M. Ibrahim, *Ultrasound irradiation of hydrothermally engineered sub-20 nm PbS nanoparticles and effect of their size on Aspergillus species morphology, Mendeleev Communications, 2024, 34, 93-96.*
3. Ereny S. Williemi, Ahmed B.M. Ibrahim, S. Abd Elkhaliq, Jaromír Marek, S.M. Abbas, *In vitro biological activity of cobalt(II) complexes with salicylaldehyde ligands in microbial and cancer cells, Future Medicinal Chemistry, 2023, 15(15), 1415-1426.*
4. Ghada Abd-Elmonsef Mahmoud, Peter Mayer, Dalia A. Gaber, Ahmed B.M. Ibrahim, *Response to oxidative stress generation in Rhodotorula glutinis and Candida tropicalis by thallium dithiocarbamate complexes, Inorganic Chemistry Communications, 2023, 156, 111283.*
5. Amna S.A. Zidan, Ahmed B.M. Ibrahim, Aref A.M. Aly, Hanan K. Mosbah, Peter Mayer, Saber H. Saber, *Synthesis, solid state structure and cytotoxic activity of a complex dimer of yttrium with anthranilic Acid against cancer cells, Biological Trace Element Research, 2023, 201, 4688-4696.*
6. Ereny S. Williemi, Ahmed Amro, Ahmed B.M. Ibrahim, S. Abd Elkhaliq, Peter Mayer, S.M. Abbas, *A novel trinuclear nickel(II) salicylaldehyde complex: Synthesis, structural characterization, bioactivity profile against bacterial, fungal and breast cancer cells and effects on wheat germination indices, Crystals, 2023, 13(7), 1084.*
7. Ayat-Allah Mamdouh, Ahmed B.M. Ibrahim, Nour El-Houda A. Reyad, Tarek R. Elsayed, Isabel Cordeiro Santos, António Paulo, Refaat M. Mahfouz, $(NH_4)_2[Co(H_2O)_6]_2V_{10}O_{28} \cdot 4H_2O$ Vs. $(NH_4)_2[Ni(H_2O)_6]_2V_{10}O_{28} \cdot 4H_2O$: *Structural, spectral and thermal analyses and evaluation of their antibacterial activities, Journal of Cluster Science, 2023, 34, 1535-1546.*
8. Amany Fathy, Ahmed B.M. Ibrahim, S. Abd Elkhaliq, Alexander Villinger, S.M. Abbas, *New iron(III) complexes with 2-formylpyridine thiosemicarbazones: Synthetic aspects, structural and spectral analyses and cytotoxicity screening against MCF-7 human cancer cells, Heliyon, 2023, 9(1), e13008.*
9. Amany Fathy, Ahmed B.M. Ibrahim, S. Abd Elkhaliq, Florian Meurer, Michael Bodensteiner, S.M. Abbas, *Thiosemicarbazones and derived antimony complexes: Synthesis, structural analysis, and in vitro evaluation against bacterial, fungal, and cancer cells, Inorganics, 2022, 10(10), 172.*
10. Amany Fathy, Ahmed B.M. Ibrahim, S. Abd Elkhaliq, Alexander Villinger, S.M. Abbas,

- Trivalent cobalt complexes with NNS tridentate thiosemicarbazones: Preparation, structural Study and investigation of antibacterial activity and cytotoxicity against human breast cancer cells, Inorganics, 2022, 10(9), 145.*
11. Ahmed B.M. Ibrahim, Ghada Abd-Elmonsef Mahmoud, David B. Cordes, Alexandra M.Z. Slawin, *Pb(II) and Hg(II) thiosemicarbazones for Inhibiting the broad-spectrum pathogen *Cladosporium sphaerospermum* ASU18 (MK387875) and altering its antioxidant system, Applied Organometallic Chemistry, 2022, 36(8), e6798.*
 12. Aref A.M. Aly, Ahmed B.M. Ibrahim, Amna S.A. Zidan, Hanan K. Mosbah, Sara A. Atta, Isabel Schicht, Alexander Villinger, *Isolation and crystal structure of the first Pr(IV) coordination polymer and the complex anti-proliferative activity evaluation against seven cancer cell lines, Journal of Molecular Structure, 2022, 1256, 132508.*
 13. Ayat-Allah Mamdouh, Ahmed B.M. Ibrahim, Nour El-Houda A. Reyad, Tarek R. Elsayed, Isabel Cordeiro Santos, António Paulo, Refaat M. Mahfouz, *Monoclinic- vs. triclinic- $(NH_4)_2[Mg(H_2O)_6]_2V_{10}O_{28} \cdot 4H_2O$: Structural studies and variation in antibacterial activities with the polymorph type, Journal of Molecular Structure, 2022, 1253, 132247.*
 14. Aref A.M. Aly, Amna S.A. Zidan, Ahmed B.M. Ibrahim, Hanan K. Mosbah, Peter Mayer, Saber H. Saber, *Binuclear Cu(II) complex based on N-acetylanthranilic acid induces significant cytotoxic effect on three cancer cell lines, Journal of Molecular Structure, 2022, 1249, 131634.*
 15. Ghada Abd-Elmonsef Mahmoud, Ahmed B.M. Ibrahim, Peter Mayer, *$(NH_4)_2[Ni(H_2O)_6]_2V_{10}O_{28} \cdot 4H_2O$; Structural analysis and bactericidal activity against pathogenic Gram negative bacteria, ChemistrySelect, 2021, 6(15), 3782-3787.*
 16. Ahmed B.M. Ibrahim, Ghada Abd-Elmonsef Mahmoud, Florian Meurer, Michael Bodensteiner, *Preparation and crystallographic studies of a new mercuric salicylaldimine complex for fabrication of micro-scaled and nano-scaled mercuric sulfide as antimicrobial agents against human pathogenic yeasts and filamentous fungi, Applied Organometallic Chemistry, 2021, 35(3), e6134.*
 17. Ahmed B.M. Ibrahim, Ghada Abd-Elmonsef Mahmoud, *Chemical- vs sonochemical-assisted synthesis of ZnO nanoparticles from a new zinc complex for improvement of carotene biosynthesis from *Rhodotorula toruloides* MH023518, Applied Organometallic Chemistry, 2021, 35(2), e6086.*
 18. Ghada Abd-Elmonsef Mahmoud, Ahmed B.M. Ibrahim, Peter Mayer, *Zn(II) and Cd(II) thiosemicarbazones for stimulation/inhibition of Kojic Acid biosynthesis from *Aspergillus flavus* and the fungal defense behavior against the metal complexes' excesses, Journal of Biological Inorganic Chemistry, 2020, 25(5), 797-809.*
 19. Ahmed B.M. Ibrahim, Amna S.A. Zidan, Aref A.M. Aly, Hanan K. Mosbah, Ghada Abd-Elmonsef Mahmoud, *Mesoporous cadmium sulfide nanoparticles derived from a new cadmium anthranilate complex: Characterization and induction of morphological abnormalities in pathogenic fungi, Applied Organometallic Chemistry, 2020, 34(2), e5391.*
 20. Ahmed B.M. Ibrahim, Micheal K. Farh, Isabel Cordeiro Santos, António Paulo, *Nickel complexes bearing SNN and SS donor atom ligands: Synthesis, structural characterization*

- and biological activity, *Applied Organometallic Chemistry*, 2019, 33(9), e5088.
21. Ahmed B.M. Ibrahim, Micheal K. Farh, Peter Mayer, *Synthesis, structural studies and antimicrobial evaluation of nickel(II) complexes of NNS tridentate thiosemicarbazone based ligands*, *Applied Organometallic Chemistry*, 2019, 33(7), e4883.
22. Ahmed B.M. Ibrahim, Ghada Abd-Elmonsef Mahmoud, *Nonstoichiometric Mesoporous Cu_{1.90}S nanoparticles hydrothermally prepared from a copper anthranilate complex inhibit cellulases of phytopathogenic fungi*, *Journal of Inorganic and Organometallic Polymers and Materials*, 2019, 29(4), 1280-1287.
23. Ghada Abd-Elmonsef Mahmoud, Amna S.A. Zidan, Aref A.M. Aly, Hanan K. Mosbah, Ahmed B.M. Ibrahim, *Calcium and strontium anthranilate complexes as effective Fusarium moniliforme controlling agents*, *Applied Organometallic Chemistry*, 2019, 33(2), e4740.
24. Ahmed B. M. Ibrahim, Micheal K. Farh, Jasper R. Plaisier, ElSayed M. Shalaby, *Synthesis, structural and antimicrobial studies of binary and ternary complexes of a new tridentate thiosemicarbazone*, *Future Medicinal Chemistry*, 2018, 10(21), 2507-2519.
25. Ahmed B.M. Ibrahim, Micheal K. Farh, S.A. El-Gyar, M.A. EL-Gahami, Dina M. Fouad, Francisco Silva, Isabel Cordeiro Santos, António Paulo, *Synthesis, structural studies and antimicrobial activities of manganese, nickel and copper complexes of two new tridentate 2-formylpyridine thiosemicarbazone ligands*, *Inorganic Chemistry Communications*, 2018, 96, 194-201.
26. Ahmed B.M. Ibrahim, Micheal K. Farh, Peter Mayer, *Copper complexes of new thiosemicarbazone ligands: Synthesis, structural studies and antimicrobial activity*, *Inorganic Chemistry Communications*, 2018, 94, 127-132.
27. A. Lerch, L. Fernandez, M. Ilyn, M. Gastaldo, M. Paradinas, M. A. Valbuena, A. Mugarza, Ahmed B.M. Ibrahim, J. Sundermeyer, U. Hofer, F. Schiller, *Electronic structure of titanylphthalocyanine layers on Ag(111)*, *The Journal of Physical Chemistry C*, 2017, 121(45), 25353-25363.
28. Dina M. Fouad, Ahmed B.M. Ibrahim, Mohamed A. El-Gahami, Said A. Ibrahim, Abbas M. Hammam, *Synthesis and thermal studies on new Co(II), Ni(II), Cu(II) and Cd(II) mixed ligand complexes with 3-benzyl-4-amino-1,2,4-triazole-5-thione Schiff bases and α,α' -bipyridyl*, *Analytical Chemistry - An Indian Journal*, 2011, 10(1), 13-23.
29. Dina M. Fouad, Ahmed B.M. Ibrahim, Mohamed A. El-Gahami, Said A. Ibrahim, Abbas M. Hammam, *Synthesis and thermal studies of mixed ligand complexes of Cu(II), Co(II), Ni(II) and Cd(II) with mercaptotriazoles and dehydroacetic acid*, *Natural Science*, 2010, 2(8), 817-827.