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<b>Research gate account</b>	<a href="https://www.researchgate.net/profile/Amira-Ahmed">https://www.researchgate.net/profile/Amira-Ahmed</a>
<b>Education</b>	<ul style="list-style-type: none"> <li>✓ Ph.D., (Inorganic Chemistry), <b>2019</b>, Chemistry Department, Faculty of Science, University of Zagazig, "Ligational and biological studies on some metal complexes for a mixture of ligands containing nitrogen and oxygen atoms".</li> <li>✓ M.Sc., (Inorganic Chemistry), <b>2015</b>, Chemistry Department, Faculty of Science, University of Zagazig, "Synthesis, Preparation and characterization of some new complexes of pyridine -3- carbonitrile derivatives and studying their biological activity".</li> <li>✓ General Diploma in Education, <b>2011</b>, Faculty of Education, Zagazig university.</li> <li>✓ B.Sc., (Chemistry and botany), <b>2009</b>, Faculty of Science, Zagazig University.</li> </ul>
<b>Work Experience</b>	<p>1-Assistant Lecturer of chemistry, Department of Basic Sciences, Zagazig Higher Institute of Engineering and Technology for four years (2015-2019).</p> <p>2-Now: Lecturer of chemistry, Department of Basic Sciences, Zagazig Higher Institute of Engineering and Technology Zagazig – Egypt (2020 until now).</p>
<b>Peer-reviewed revision</b>	<p>1- Reviewer at <b>Journal of the Chemistry</b> since 2021</p> <p>2- Reviewer at <b>Chemistry&amp; Biodiversity</b> since 2021</p> <p>3- Reviewer at <b>Structural chemistry</b> since 2023</p>
<b>Main Topics / Professional Skills Possessed / Research Interests</b>	<ol style="list-style-type: none"> <li>1. Inorganic Chemistry (Transition inorganic compounds, organometallic compounds Solid state compounds, Industrial inorganic compounds).</li> <li>2. Coordination Chemistry (atoms, ions, molecules that donate electron to the metal center).</li> <li>3. Thermogravimetric Analysis (TGA, DTA, DSC and DTG).</li> <li>4. Spectroscopic Analysis (FT-IR, <sup>1</sup>HNMR, Mass spectroscopy, UV-Visible, Molar conductance, melting points, magnetic susceptibility).</li> </ol>
<b>Languages</b>	<p><b>Arabic:</b> native.</p> <p><b>English:</b> fluent.</p>

<b>Courses</b>	<ol style="list-style-type: none"> <li>1- How to Write and Publish a Scientific Paper (Project-Centered Course): École Polytechnique and offered from Coursera.</li> <li>2- Introduction to Chemistry: Structures and Solutions: Duke University and offered from Coursera.</li> <li>3- Introduction to Chemistry: Reactions and Ratios: Duke University and offered from Coursera.</li> <li>4- ICDL International Computer Driving Licenses and Spss computer course</li> <li>5- Introduction to Molecular Spectroscopy: University of Manchester and offered from Coursera.</li> <li>6- Experimentation for Improvement: McMaster University and offered from Coursera.</li> <li>7- Understanding Research Methods: University of London, Coursera.</li> <li>8- English for Science, Technology, Engineering, and Mathematics: University of Pennsylvania, Coursera.</li> <li>9- Teaching in University Science Laboratories (Developing Best Practice): University of Amsterdam, Coursera.</li> <li>10- Academic Information Seeking: University of Copenhagen and Technical University of Denmark (DTU), Coursera.</li> </ol>
<b>Workshops: Nature, Elsevier and zagazig university</b>	<ul style="list-style-type: none"> <li>• Effective Post-submission Strategies: Nature Research Academies workshop.</li> <li>• Clinical Research Methodology: Nature Research Academies workshop.</li> <li>• Successful Pre-submission Strategies: Nature Research Academies workshop.</li> <li>• Logical Manuscript Structure: Nature Research Academies workshop.</li> <li>• Effective Academic Writing: Nature Research Academies workshop.</li> <li>• Tips &amp; advice for preparation of your paper manuscript at Egyptian Knowledge Bank, and Elsevier core research on Monday 15 March, 2021.</li> <li>• Writing without Plagiarism and Proper Citations using Mendeley (3-hour) at University of Lagos and Elsevier core research on Tuesday 28 July, 2020.</li> <li>• Tips &amp; advice for increasing your published paper visibility [75 minutes] at The Egyptian Knowledge Bank and Elsevier core research, on Tuesday 15 June, 2021.</li> <li>• How to stay updated about research related to your topic? - Scopus &amp; Science-Direct [75 min] at Egyptian Knowledge Bank and Elsevier core research, on Tuesday 09 March, 2021.</li> <li>• Discover your impact: H-Index &amp; Author Metrics on Scopus -Short Session [75 min] at Egyptian Knowledge Bank, on Tuesday 01 June, 2021.</li> <li>• Managing the research team (Faculty Capacity Development Center - Zagazig University)</li> <li>• Financial and legal aspects of university work (Faculty and leadership Development Center - Zagazig University) Academic guidance(Faculty and leadership Development Center - Zagazig University)</li> <li>• Examination and student evaluation systems(Faculty and leadership Development Center - Zagazig University)</li> <li>• Leadership and governance as a standard of quality (Zagazig Higher Institute of engineering and Technology)</li> <li>• Quality management and development as a standard of quality</li> </ul>

	(Zagazig Higher Institute of engineering and Technology) • Faculty members and supporting staff as a quality standard (Zagazig Higher Institute of engineering and Technology).
<b>Certificates</b>	1- Willey Top Cited Article 2021-2022 CHEMISTRY & BIODIVERSITY Biochemical Characterization, Phytotoxic Effect and Antimicrobial Activity against Some Phytopathogens of New Gemifloxacin Schiff Base Metal Complexes 2- Metal Complexes for Biomedical Applications (MCBA2022) Virtual Symposium October 24th, 2022 12:00-16:00 Central European Time 3- Top Downloaded Article 2021-2022 Biochemical Characterization, Phytotoxic Effect and Antimicrobial Activity against Some Phytopathogens of New Gemifloxacin Schiff Base Metal Complexes

#### Full articles

- [1] Sadeek A. Sadeek, **Amira A. Mohamed**, Synthesis, Characterization and Biological Studies on Some Transition Metal Complexes of NO Donor Ligand, Eleventh Inter. Environmental Conf., Faculty of Science, Zagazig University, 2016 (133-160).
- [2] Sadeek A. Sadeek, **Amira A. Mohamed**, Hassan. A. El-Sayed, Mohamed. S. El-Attar, Spectroscopic, characterization, thermo gravimetric and antimicrobial studies of some new metal complexes derived from 4-(4-Isopropyl phenyl)-2-oxo-6-phenyl 1,2-dihydropyridine-3-carbonitrile (L). App. Organomet. Chem. 2020; 34:e5334.
- [3] **Amira A. Mohamed**, Sadeek A. Sadeek, Sherif M. Abd El-Hamid, Wael A. Zordok, Hanem M. Awad, Mixed-ligand complexes of tenoxicam drug with some transition metal ions in presence of 2,2'-bipyridine: Synthesis, spectroscopic characterization, thermal analysis, density functional theory and in vitro cytotoxic activity. J. Mol. Struct. 1197 (2019) 628-644.
- [4] Sadeek A. Sadeek, Sherif M. Abd El-Hamid, **Amira A. Mohamed**, Wael A. Zordok, Hassan A. El-Sayed, Spectroscopic characterization, thermogravimetry, density functional theory and biological studies of some mixed-ligand complexes of meloxicam and 2,2'-bipyridine with some transition metals. App. Organomet. Chem. 33 (2019) e4889.
- [5] Hazem S. Elshafie, Sadeek A Sadeek, Ippolito Camele, Hanem M. Awad, **Amira A. Mohamed**, Biological and Spectroscopic Investigations of New Tenoxicam and 1.10-Phenthroline Metal Complexes. Molecules 2020, 25, 1027; doi:10.3390/molecules25051027.
- [6] Hazem S. Elshafie, Sadeek A Sadeek, Wael A. Zordok, **Amira A. Mohamed**, Meloxicam and Study of Their Antimicrobial Effects Against Phyto- and Human Pathogens. Molecules 2021, 26, 1480; <https://doi.org/10.3390/molecules26051480>
- [7] **Amira A. Mohamed**, Sadeek A. Sadeek, Ligational and biological studies of Fe(III), Co(II), Ni(II), Cu(II) and Zr(IV) complexes with carbamazepine as antiepileptic drug. App. Organomet. Chem. 2021;35 e6178.
- [8] **Amira A. Mohamed**, Hazem S. Elshafie, Sadeek A Sadeek, Ippolito Camele, Biochemical characterization, phytotoxic effect and antimicrobial activity against some phytopathogens of new gemifloxacin Schiff base metal complexes, Chemistry & Biodiversity 2021, 18, e2100365. <https://doi.org/10.1002/cbdv.202100365>.

- [9] Sadeek A. Sadeek, **Amira A. Mohamed**, Wael A. Zordok, Hanem M. Awad, Sherif M. Abd El-Hamid, Spectroscopic characterization, thermogravimetric, DFT and biological studies of some transition metals complexes with mixed ligands of meloxicam and 1,10 phenanthroline, Egypt. J. Chem, 64, No. 8 pp. 4197 - 4208 (2021).
- [10] **Amira A. Mohamed**, B. H. Asgharb, A. H. Moustafa, H. A. El-Sayed, D. El-Sayed, K. A. Asla, and A. S. A. Mohamed, Synthesis, Structural Characterization, Thermogravimetric, and Molecular Modelling of Novel Mn(II), Co(II), and Ni(II) Metal Complexes Derived from New Synthesized 4,6-Diaryl-2-oxonicotinonitrile Ligand, Russ. J. Gen. Chem., 2021, Vol. 91, No. 12, pp. 2564–2580.
- [11] **Amira A. Mohamed**, Fatma M. Ahmed, Wael A. Zordok, Walaa H. El-Shwiniy, Sadeek A. Sadeek, and Hazem S. Elshafie, Novel Enrofloxacin Schiff Base Metal Complexes: Synthesis, Spectroscopic Characterization, Computational Simulation and Antimicrobial Investigation against Some Food and Phyto-Pathogens. Inorganics 2022, 10, 177. <https://doi.org/10.3390/inorganics10110177>.
- [12] Hazem S. Elshafie, Ippolito Camele, **Amira A. Mohamed**, A Comprehensive Review on the Biological, Agricultural and Pharmaceutical Properties of Secondary Metabolites Based-Plant Origin. Int. J. Mol. Sci. 2023, 24(4), 3266. <https://doi.org/10.3390/ijms24043266>.
- [13] Hazem S. Elshafie, Ippolito Camele, Sadeek A. Sadeek, **Amira A. Mohamed**, Biochemical Characterization of New Gemifloxacin Schiff Base (GMFX-o-phdn) Metal Complexes and Evaluation of Their Antimicrobial Activity against Some Phyto- or Human Pathogens. Int. J. Mol. Sci. 2022, 23(4), 2110; <https://doi.org/10.3390/ijms23042110>.
- [14] **Amira A. Mohamed**, Abeer A. Nassr, Sadeek A. Sadeek and Hazem S. Elshafie, Synthesis, spectral, thermal and antimicrobial investigation of mixed ligand metal complexes of N-salicylidene aniline and 1,10-phenanthroline, Compounds 2023, 3, 298–309. <https://doi.org/10.3390/compounds3010022>
- [15] **Amira A. Mohamed**, Abeer A. Nassr, Sadeek A. Sadeek, Nihad G. Rashid and Sherif M. Abd El-Hamid, First report on some NO-donor sets bidentate Schiff base and its metal complexes: Characterization and antimicrobial investigation Compounds 2023, 3, 376-389.
- [16] **Amira A. Mohamed** , Sadeek A. Sadeek, Nihad G. Rashid, Hazem S. Elshafie, Ippolito Camele, Synthesis, Characterization and Evaluation of the Antimicrobial and Herbicidal Activities of Some Transition Metal Ions Complexes with the Tranexamic Acid, Chem. Biodiversity 2024, e202301970
- [17] Ippolito Camele, **Amira A. Mohamed**, Amira A. Ibrahim and Hazem S. Elshafie , Biochemical Characterization and Disease Control Efficacy of Pleurotus eryngii-Derived Chitosan—An In Vivo Study against Monilinia laxa, the Causal Agent of Plum Brown Rot, Plants 2024, 13, 2598. <https://doi.org/10.3390/plants13182598>
- [18] S.M. Abd El-Hamid, S. W. Aziz, **A. A. Mohamed**, M. S. El-Gedamy, Ahmed E. Salem, S. F. Mohammed, W. A. Zordok, A. Sofo, M. A. Sabry, S. A. Sadeek, H. S. Elshafie, Structural, Spectroscopic, and Docking Analysis of N,O-Donor Ligand Metal Complex Nanoparticles With Hypolipidemic Effects via Lipoprotein Lipase Activation in High-Fat Diet Mice, Chemistry & Biodiversity, 2025; 22:e202403003
- [19] H. A. Abdallah, S. A. Sadeek, M. M. Zareh, B. A. El-wahaab, **A. A. Mohamed**, Structure investigation and antimicrobial activities of some new cefradine with 1,10-phenanthroline metal complexes, Bulletin of Faculty of Science, Zagazig University (BFSZU), Volume-2025, Issue-2, pp-242-257, DOI: 10.21608/bfszu.2024.338894.1449
- [20] Enas M. Ahmed, Sadeek A. Sadeek, Ahmed F. El-farargy, A.M. Fadl, Mahmoud I. Abdou, **Amira A. Mohamed**, Structural studies of some Schiff base metal complexes as antimicrobial agents, Accepted in Bulletin of Faculty of Science, Zagazig University (BFSZU)

[21] **Amira A. Mohamed**, Mohammed S. El-Gedamy, Sadeek A. Sadeek, Hazem S. Elshafie, First Report on some N2O2-Donor Sets Tetradentate Schiff Base and Its Metal Complexes: Characterization and Antimicrobial Investigation, Chemistry & Biodiversity, 2025; 0:e01117, <https://doi.org/10.1002/cbdv.202501117>

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**Proceedings of International Conferences**

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1. Attending Eleventh Inter. Environmental Conf., Faculty of Science, Zagazig University
2. Attending the fourteenth Inter. Environmental conf., Faculty of science, Zagazig University and presenting an oral presentation.

Scopus Profile	
Documents:	21
Citation:	450
h-index:	10