

CURRICULUM VITAE

PERSONAL DATA

Name	Dr. Eida Salman Saad Al-Farraj
Nationality	Saudi
Position	Vice-Dean for Female Student Affairs at College of Science
E-Mail	esalfarraj@imamu.edu.sa
Phone	0112599339

EDUCATION

Year	Academic Degree	Institution
2015	PhD Degree (Inorganic Chemistry)	King Saud University, Riyadh, Saudi Arabia
2007	Master's Degree (Inorganic Chemistry)	King Saud University, Riyadh, Saudi Arabia
2002	Bachelor of Science Degree (General Chemistry)	King Saud University, Riyadh, Saudi Arabia

WORK EXPERIENCE

Period	Position	Address
2021- present	Associate Professor	College of Science, IMSIU
2020-present	Vice Dean for Female Student Affairs at College of Science	College of Science, IMSIU
2018-2020	Vice Dean, Deanship of Human Resources	Deanship of Human Resources, IMSIU
2017-2018	Vice Chair of Chemistry Department	College of Science, IMSIU
2017 -2021	Assistance Professor	College of Science, IMSIU
2009-2017	Researcher	College of Science, KSU

RESEARCH INTERESTS

My research interest is in the coordination chemistry of antitumor-drugs and their complexes in solution. My current line of research lies in:

- A) Synthesis and characterization of transition metal complexes for biological active molecules.
- B) Spectroscopic studies of coordination compounds using ESR,NMR,electronic and vibrational spectra .
- C) Synthesis of Multifunctional materials and nanocomposite and their applications.

PUBLICATIONS

1. Asma S. Al-Wasidi, Maram T. Basha, Reem M. Alghanmi, **Eida S. Al-Farraj** and Ehab A. Abdelrahman” Facile Synthesis and Characterization of Sodium Magnesium Silicate Hydrate/Sodium Magnesium Silicate Hydroxide as Novel Nanostructures for the Efficient Removal of Methylene Blue Dye from Aqueous Media”, *Journal of Inorganic and Organometallic Polymers and Materials*, 2023,XX,XX, <https://doi.org/10.1007/s10904-023-02554-7>.
2. Asma S. Al-Wasidi , Maram T. Basha, Reem M. Alghanmi, **Eida S. Al-Farraj** and Ehab A. Abdelrahman” Functionalization of Sodium Magnesium Silicate Hydroxide/Sodium Magnesium Silicate Hydrate Nanostructures Using 2,3-Dihydroxybenzaldehyde as a Novel Nanocomposite for the Efficient Removal of Cd(II) and Cu(II) Ions from Aqueous Media” *Separations* **2023**, *10*, 88. <https://doi.org/10.3390/separations10020088>.
3. Alaa Ibrahim, Islam A. Khalil, Mohamed Y. Mahmoud, Alaa F. Bakr, Monira G. Ghoniem, **Eida S. Al-Farraj**, Ibrahim M. El-Sherbiny,” Layer-by-layer development of chitosan/alginate-based platelet-mimicking nanocapsules for augmenting doxorubicin cytotoxicity against breast cancer” *International Journal of Biological Macromolecules* *225* (2023) 503–517. <https://doi.org/10.1016/j.ijbiomac.2022.11.107>
4. Faizah S. Aljohani, Omran A. Omran, Eman A. Ahmed, **Eida S. Al-Farraj**, Elham F. Elkady, Arwa Alharbi, Nashwa M. El-Metwaly, Ibrahim Omar Barnawi, Ahmed M. Abu-Dief “ Design, structural inspection of new bis(1H-benzo[d]imidazol-2-yl) methanone complexes: Biomedical applications and theoretical implementations *via* DFT and docking approaches “ *Inorganic Chemistry Communications*, *148* (2023) 110331. <https://doi.org/10.1016/j.inoche.2022.110331>

5. Asma S. Al-Wasidi, Abdulrahman A. Almehizia, Ahmed M. Naglah, Hamad M. Alkahtani, Faisal K. Algethami, **Eida S. Al-Farraj**, Maram T. Basha & Ehab A. Abdelrahman "Facile synthesis and characterisation of $Mn_{0.5}Zn_{0.5}Fe_2O_4/Fe_2O_3$ as a novel nanocomposite for studying analytical parameters affecting on photocatalytic degradation of basic fuchsin dye" *International Journal of Environmental Analytical Chemistry*, 2022, XX,XXX. <https://doi.org/10.1080/03067319.2022.2153044>
6. Ehab A. Abdelrahman and **Eida S. Al-Farraj** "Facile Synthesis and Characterizations of Mixed Metal Oxide Nanoparticles for the Efficient Photocatalytic Degradation of Rhodamine B and Congo Red Dyes". *Nanomaterials* **2022**,12,3992. <https://doi.org/10.3390/nano12223992>
7. Taslim Akhtar, Fozia Batool, Sajjad Ahmad, **Eida S. Al-Farraj**, Ali Irfan, Shahid Iqbal, Sami Ullah and Magdi E. A. Zaki, "Defatted Seed Residue of *Cucumis Melo* as a Novel, Renewable and Green Biosorbent for Removal of Selected Heavy Metals from Wastewater: Kinetic and Isothermal Study", *Molecules*, 2022, 27, 6671. <https://doi.org/10.3390/molecules27196671>
8. Fozia Batool, Ali Irfan, Sami A. Al-Hussain, **Eida S. Al-Farraj**, Shahid Iqbal, Jamshed Akbar, Sobia Noreen, Taslim Akhtar, Tunzeel Iqbal and Magdi E. A. Zaki, "Development of Ion Character Property Relationship (IC-PR) for Removal of 13-Metal Ions by Employing a Novel Green Adsorbent *Aerva javanica*" *Molecules*, 2022, 27, 8213. <https://doi.org/10.3390/molecules27238213>
9. Ahmed M. Abu-Dief, Nouf H. Alotaibi, **Eida S. Al-Farraj**, Hamza A. Qasem, Seraj Alzahrani, Metwally K. Mahfouz, Aly Abdou, "Fabrication, structural elucidation, theoretical, TD-DFT, vibrational calculation and molecular docking studies of some novel adenine imine chelates for biomedical applications" *Journal of Molecular Liquids*, 365 (2022) 119961. <https://doi.org/10.1016/j.molliq.2022.119961>
10. Hamza A. Qasem, Mohamed Reda Aouad, Hessah A. Al-Abdulkarim, **Eida S. Al-Farraj**, Roba M.S. Attar, Nashwa M. El-Metwaly, Ahmed M. Abu-Dief, "Tailoring of some novel bis-hydrazone metal chelates, spectral based characterization and DFT calculations for pharmaceutical applications and in-silico treatments for verification" *Journal of Molecular Structure*, 1264 (2022) 133263, <https://doi.org/10.1016/j.molstruc.2022.133263>.
11. Wesam Abd El-Fattah, **Eida S. Al-Farraj**, Naoufel Ben Hamadi, Ahmed Alharbi, and Ahmed Shahat "Functionalized MOF as a Sensitive Spectroscopic Probe for Hg^{2+} , Co^{2+} , and Al^{3+} Ions

- Detection in Aqueous Media" *ACS Omega* **2022** 7 (20), 17483-17491.
<https://doi.org/10.1021/acsomega.2c02021>.
12. Amani S. Alturiqi, **Eida S. Al-Farraaj**, Murefah M. Anazy and Reda A. Ammar, " Potentiometric Determination of Stability Constants of Binary and Ternary Complexes of L-Tryptophan and AntiInflammatory Drugs with Zn(II)" *Int. J. Electrochem. Sci*, 17 (2022) 220535, <http://www.electrochemsci.org/papers/vol17/220535.pdf>
13. Amani S. Alturiqi, **Eida S. Al-Farraaj**, Murefah M. Anazy and Reda A. Ammar, " Fabrication and characterization of reduced graphene oxide with silver nanoparticles and its utilities for enhancing photodegradation of 2,4 dinitrophenol compound" *Applied Nanoscience* , (2021), 1-11, <https://doi.org/10.1007/s13204-021-02017-w>
14. **Eida S. Al-Farraaj**, Murefah M. Anazy, Amani S. Alturiqi, and Reda A. Ammar, "Solution Behaviour of Ternary Complexes of Cobalt (II) Involving Sulfanilamide and Dicarboxylic acids" *Int. J. Electrochem. Sci*, 16 (2021) 150944. <https://doi.org/10.20964/2021.01.26>
15. Murefah M. Anazy, Amani S. Alturiqi, **Eida S. Al-Farraaj** and Reda A. Ammar "Spectral Characterization, Antioxidant, Cytotoxic and Molecular Docking Studies of Nanosized Cu(II) Hybrid with 2-Hydroxyphenylethylideneamino)quinolin-2(1H)-one." *Asian Journal of Chemistry*; 32, (2020), 2991-2996. <https://doi.org/10.14233/ajchem.2020.22828>
16. **Eida S. Al-Farraaj** " Complexation equilibria of Zn(II) complexes contain pyridoxine HCl and some bioligands: pH-metric studies" *Int. J. Electrochem. Sci.*, 15 (2020) 7914 – 7924. <http://www.electrochemsci.org/abstracts/vol15/150807914.pdf>
17. Amal M. Al-Mohameed, **Eida S. Al-Farraaj**, Wedad A. Al-Onazi, Zainab M. Almarhoon, "Synthesis, characterization, density functional theory, thermal, antimicrobial efficacy, and DNA binding/cleavage studies of Cu(II), Cr(III), Fe(III), Ni(II), Co(II), Zn(II), and Pt(IV) complexes with a derivative of 2-hydroxyphenoxy methylfuran-5-carbaldehyde " *Journal- Chinese Chemical Society*, (2020), 1-18. <https://doi.org/10.1002/jccs.202000042>
18. Amani S. Alturiqi **Eida S. Al-Farraaj**, Murefah M. Anazy, and Reda A. Ammar, "Synthesis, structural identification, DNA interaction and biological studies of divalent metal(II) chelates of 1,2- ethenediamine Schiff base ligand " *Journal of Molecular Structure*", 1219, (2020), 128542. <https://doi.org/10.1016/j.molstruc.2020.128542>
19. Asma A. Alothman, **Eida S. Al-Farraaj**, Wedad A. Al-Onazi, Zainab M. Almarhoon, and Amal M. Al-Mohameed, "Spectral characterization, electrochemical, antimicrobial and cytotoxic studies on new metal(II) complexes containig N₂O₄ donor hexadentate Schiff base ligand" *Arabian Journal of Chemistry*, 13 (2020), 3889–3902. <https://doi.org/10.1016/j.arabjc.2019.02.003>

20. Amani S. Alturiqi, Murefah M. Anazy, **Eida S. Al-Farraj** and Reda A. Ammar "Stability Constants of Mixed Ligand Complexes of Cu(II) and Atenolol with L-Methionine/L-Cysteine/L-Penicillamine and SMethyl-L-Cysteine" *Int. J. Electrochem. Sci.*, 15 (2020) 11275 – 11282. <https://doi.org/10.1155/2015/374782>
21. **Eida S. Al-Farraj**, Zainab M. Almarhoon, Asma A. Alothman, Amal M. Al-Mohaimeed and Wedad A. Al-Onazi, " Synthesis, Spectroscopic characterization and biological studies of nano-sized Co(II), Ni(II), Cu(II) and Zn(II) Schiffs base hybrids" *Journal of Molecular Structure*, 1195 (2019), 17-31. <https://doi.org/10.1016/j.molstruc.2019.05.058>
22. Wedad A. Al-Onazi, Amal M. Al-Mohaimeed, Zainab M. Almarhoon, **Eida S. Al-Farraj**, and Asma A. Alothman, "Potentiometric, Spectral characterization, and antioxidant activity studies of ternary complexes involving Cu(II) and carbamoylcholine chloride drug with amino acids" *Journal of the Chinese Chemical Society*, 2019; 1-10. <https://doi.org/10.1002/jccs.201900062>
23. Zainab M. Almarhoon, Wedad A. Al-Onazi, Asma A. Alothman Amal M. Al-Mohaimeed, and **Eida S. Al-Farraj**, "Synthesis, DNA Binding, and Molecular Docking Studies of Dimethylaminobenzaldehyde-Based Bioactive Schiff Base" *Journal of Chemistry*, 2019 (2019), 14. <https://doi.org/10.1155/2019/8152721>
24. Jahangeer Ahmed*, Tansir Ahamad, Norah Alhokbany, Basheer M. Almaswari, Tokeer Ahmad, Afzal Hussain, **Eida Salman Saad Al Farraj** and Saad M. Alshehri, "Molten Salts Derived Copper Tungstate Nanoparticles as Bifunctional Electro-Catalysts for Electrolysis of Water and Supercapacitor Applications", *ChemElectroChem*, 5 (2018), 1–9. <https://doi.org/10.1002/celec.201801196>
25. **Eida S. Al-Farraj**, Ameen N. Alhabarah, Jahangeer Ahmad, Abdullah M. Al-Enizi, Mu Naushad, Mohd Ubaidullah, Saad M. Alshehri, Ruksana, Tansir Ahamad," Fabrication of hybrid nanocomposite derived from chitosan as efficient electrode materials for supercapacitor" *International Journal of Biological Macromolecules*, 120, Part B, (2018), 2271-2278. <https://doi.org/10.1016/j.ijbiomac.2018.08.104>
26. Ali Aldalbahi, Peter Feng, Norah Alhokbany, **Eida Al-Farraj**, Saad M. Alshehri, Tansir Ahamad, "Synthesis and characterization of hybrid nanocomposites as highly-efficient conducting CH₄ gas sensor"; *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*; 173(2017), 502–509. <https://doi.org/10.1016/j.saa.2016.09.009>
27. Saad M. Alshehri, Hamad A. Al-Lohedan, **Eida Al-Farraj**, Norah Alhokbany, Anis Ahmad Chaudhary, Tansir Ahamad, " Macroporous natural capsules extracted from phoenix dactylifera

- L. spore and their application in oral drugs delivery"; *International Journal of Pharmaceutics*; 504 (2016), 39-47. <https://doi.org/10.1016/j.ijpharm.2016.02.049>
28. Saad M. Alshehri, Hamad A. Al-Lohedan, Anis Ahmad Chaudhary, **Eida Al-Farraaj**, Norah Alhokbany, ZuheirIssa, Sami Alhousine, Tansir Ahamad," Delivary of ibuprofen by natural macroporousporopolleniumexine capsules extracted from Pheoenixdactylifera L"; *European Journal of Pharmaceutical Sciences*; 88 (2016), 158-165. <https://doi.org/10.1016/j.ejps.2016.02.004>
29. Saad M. Alshehri, Turki Almuqati, Naif Almuqati, **Eida Al-Farraaj**, Norah Alhokbany, Tansir Ahamad, "Chitosan based polymer matrix with silver nanoparticles decorated multiwalled carbon nanotubes for catalytic reduction of 4-nirtophenol" *Carbohydrate Polymers*; 151 (2016) 135–143. <https://doi.org/10.1016/j.carbpol.2016.05.018>
30. Saad M. Alshehri, **Eida Al-Farraaj**, Norah Alhokbany, Tansir Ahamad, "Synthesis, Characterization and antimicrobial activity of Triazamacrocyclic based Polymeric Ligand and its Polymer-,Metal complexes" ; *Asian Journal of Chemistry*; 27, 6, (2015), 2209-2219. <https://doi.org/10.14233/ajchem.2015.18086>