

CURRICULUM VITAE



Personal Information:

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Education:

1. **PhD. in Inorganic and Analytical Chemistry**, Al-Azhar University, Egypt January 2012. With title of “**Synthesis and Study of Some Drug Complexes**”.
2. **M.Sc. in Chemistry**, Mu'tah University Jordan 2000. With title of “**synthesis and properties of novel aromatic polyamides containing 1,2,3- triazole ring structure**”.
3. **B.Sc. in Chemistry**, Mu'tah University, Jordan 1997.

Teaching and Administrative Experience:

- 1- Associate Professor at Al-Hussein Bin Talal university 10/1/2018 – until now
- 2- Assistant Professor at Al-Hussein Bin Talal university 9/9/2012 – 10/1/2018.
- 3- Headmaster of chemistry department from 9/9/2014 -9/9/2016.
- 4- Lecturer at health institute in Holly Makkah (KSA) 2001- 2003
- 5- Secondary school teacher / Makkah from 2003-2008.
- 6- Secondary school teacher / Jordan 1998- 2001.

Research Summary:

- 1- Muawia Alqasaimh, Abdel-Aziz Abu-Yamin, Suzan Matar, Khaled Al Khalyfeh, Tobias Rüffer, Heinrich Lang, Ibrahim A.M. Saraerah, Mahmoud Salman, Pawel Figield Grzegorz Leniec, Hazem Amarne, Deeb Taher, Preparation, spectroscopic investigation, biological activity and magnetic properties of three inner transition metal complexes based on (2-((p-tolylimino)methyl)phenol) Schiff base, Journal of Molecular Structure, 2022,134458,
<https://doi.org/10.1016/j.molstruc.2022.134458>

- 2- **Abdel-Aziz Abu-Yamin**, Deeb Taher, Marcus Korb, Khaled Al Khalyfeh, Zakariyya Ishtaiwi, Hassan K. Juwhari, Wissam Helal, Hazem Amarne, Sami Mahmood, Reza Looee, Yaser A. YouSef, Asma Ghazzy, Heinrich Lang. Synthesis, chemical and physical properties of Lanthanide(III) (Nd, Gd, Tb) complexes derived from (E)-ethyl 4-(2-hydroxybenzylideneamino)benzoate. *Polyhedron*, **2022**, 222, Article 115906.
<https://doi.org/10.1016/j.poly.2022.115906>
- 3- **Abdel Aziz Abu-Yamin**, Deeb Taher, Hassan K. Juwhari, Ibrahim Al-Saraerah and Muawia Alqasaimeh. Triply Bridged Binuclear lanthanides- Zwitterion complexes: Synthesis and characterization of (Gd(III), Nd(III), Sm(III)) complexes. *Journal of coordination chemistry*, **2022**, 75 (5-6), 781-795. <https://doi.org/10.1080/00958972.2022.2081078>
- 4- **Abdel Aziz Abu-Yamin**, Abdel Aziz Qasem Mohammad Jbarah , Khaled Al Khalyfeh , Suzan Matar, Muawia Alqasaimeh, Tobias Ruffe, Heinrich Lang, Crystal structure, spectroscopic studies, DFT calculations, and biological activity of 5-bromosalicylaldehyde-based Schiff bases. *Journal of Molecular Structure*, **2022**, 1262, Article 132976.
<https://doi.org/10.1016/j.molstruc.2022.132976>
- 5- **Abdel-Aziz Abu-Yamin**, Maisa Siddiq Abduh, Sultan Ayesah Mohammed Saghir and Naif Al-Gabri, Synthesis, Characterization and Biological Activities of New Schiff Base Compound and Its Lanthanide Complexes. *Pharmaceuticals* **2022**, 15 (4), 454.
<https://doi.org/10.3390/ph15040454> .
- 6- **Abdel-Aziz Abu-Yamin**, Synthesis, characterization and crystal structure of LnIII - (1E,2E)-3-(furan-2-yl)-N-(4H-1,2,4-triazol-4-yl)prop-2-en-1-imine. *Journal of coordination chemistry* **2022**, 75 (3-4), 401-412. <https://doi.org/10.1080/00958972.2022.2051497>
- 7- **Abdel-Aziz Abu-Yamin**, Synthesis, Characterization and Crystal Structure of Samarium(III)-(E)-1-phenyl-N-(4H-1,2,4-triazol-4-yl)methanimine Complex. *Jordan Journal of Chemistry*, **2021**, 16(2), 87–94. <https://doi.org/10.47014/16.2.5>
- 8- **Abdel-Aziz Abu-Yamin**, Mohammad Elnawawy, Rabie Saad Farag and Ibrahim Al-Sbbah, Synthesis and characterization of benzocaine Schiff base and its Cobalt complex, *International Journal of Pharmaceutical Sciences and Research*, **2021**; 12(2): 1009-1013.
[http://dx.doi.org/10.13040/IJPSR.0975-8232.12\(2\).1009-13](http://dx.doi.org/10.13040/IJPSR.0975-8232.12(2).1009-13)
- 9- Ibrahim A. M. Saraireh, Mohammed noor Altarawneh, Jibril Alhawarin, Mahmoud Salman, **Abdel Aziz Abu-Yamin**, and Randa Alasad. Synthesis and Characterization of β -Diketimine Schiff Base Complexes with Ni(II) and Zn(II) Ions: Experimental and Theoretical Study.

Hindawi Journal of Chemistry **2019**, Volume 2019, Article ID 4561013, 9 pages,
<https://doi.org/10.1155/2019/4561013>

- 10- **Abdel Aziz Abu-Yamin**, Murad A. AlDamen, Mutasem O.Sinnokrot, Hassan K. Juwhari , Mahmoud Salman, Ibrahim Sarairah, JibrilAl-hawarin and Mohammad S.Mubarak. Characterization, Crystal Structure and Fluorescence of Nanosized Samarium Schiff-base Complex. Journal of Structural Chemistry, **2018**, 59 (8), 1935-1943.
<https://doi.org/10.1134/S0022476618080243>
- 11- Mahmoud Salman, **Abdel Aziz Abu-Yamin**, Ibrahim Sarairah, Alhawarin Ibrahim and Murad A. AlDamen. The crystal structure of ethyl 4-((2-hydroxybenzyl)amino)benzoate, a Schiff base, C₁₆H₁₇NO₃). Zeitschrift für Kristallographie - New Crystal Structures **2017**, 232(4), 631–632
<https://doi.org/10.1515/ncrs-2016-0383>
- 12- Mahmoud Salman, Ayman A. Issa, Ibrahim Sarairah and **Abdel Aziz Abu-Yamin**. Synthesis and Spectroscopic Characterization of Tris(hydroxymethyl) amino-methane Proton Transfer Complexes with Acidic π -Acceptors). Jordan Journal of Chemistry, **2016**, 11 (2): 85-98
- 13- Khaleel A. Abu-Sbeih and **Abdel Aziz Abu-Yamin**. Reduced Schiff base zinc complexes as proposed models of the active site of the dinuclear zinc enzyme A. Aminopeptidase. Journal of Chemical and Pharmaceutical Research, **2014**, 6(7), 162-171.
- 14- Basel. M. Saida, **Abdel Aziz Abu-Yamin** and Ibrahim Saraireh. Synthesis of 2-((Z)-[(4-methylphenyl)imino]methyl}phenol Schiff base. Journal of Chemical and Pharmaceutical Research, **2013**, 5(12), 1537-1541.
- 15- **Abdel Aziz Abu-Yamin**, Mahmoud Salman and Ibrahim Saraireh. Proton transfer complexes based on some π -acceptors having acidic protons with tyramine donor: Synthesis and spectroscopic characterizations. Journal of Chemical and Pharmaceutical Research, **2013**, 5(3), 33-41.
- 16- M. A. El-Nawawy, R. S. Farag, I. A. Sabbah, and **A. M. Abuyamin**, “Synthesis ,spectroscopic, thermal studies and biological activity of a new sulfamethoxazole Schiff base and its copper complex”, International journal of pharmaceutical sciences and research, **2011**, 2(12), 3143-3148. DOI: [://dx.doi.org/10.13040/IJPSR.0975-8232.2\(12\).3143-48](https://dx.doi.org/10.13040/IJPSR.0975-8232.2(12).3143-48)
- 17- M. A. El-Nawawy, R. S. Farag, I. A. Ssbah and **A. M. Abuyamin**, “Spectroscopic Studies, Crystal Structure and Biological Activity of {ethyl 4-(2-hydroxybenzylidene-amino) benzoate} Schiff Base and its Copper Complex”. New York Science Journal, **2011**, 4(9), 78- 82.

List of Courses Taught at Al-Hussein BinTalalUniversity:

- ❖ Inorganic chemistry 1

- ❖ Inorganic chemistry 2
- ❖ Inorganic chemistry 3
- ❖ Industrial inorganic chemistry 1
- ❖ Descriptive chemistry of the elements
- ❖ Practical Inorganic chemistry
- ❖ Analytical chemistry 1
- ❖ Analytical chemistry 2
- ❖ Practical analytical chemistry
- ❖ General chemistry 1
- ❖ General chemistry 2
- ❖ General chemistry for nursing students
- ❖ Practical general chemistry 1
- ❖ Practical general chemistry 2

Training courses:

- 1- **ICDL 2011.**
- 2- **Intel 2008**
- 3- **Several Courses in teaching strategies 2003-2009**
- 4- **High Performance Liquid Chromatography course at Jordan university 1997 and now I'am trainer for HPLC courses.**
- 5- **Different courses in teaching strategies.**
- 6- **Development of the competencies of faculty members**
- 7- **The correct foundations in the teaching process**

I discussed the following thesis:

Comparative Study : Correlating Experimental Result with Theoretical Calculations on : Effects of Substituents on Extraction Efficiency of Naphthalene based chelates (monoand di-substituted) for Hg(II), Cd(II), and Pb(II) Divalent ions Submitted by : Sana'a Esmael rababah. Yarmouk University Faculty of Science Department of Chemistry

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