

# Waleed Hassan Al-assy



## Personal Information:

**First name:** Waleed **Middle names:** Hassan **Surname:** Al-assy

- **Date of birth (place):** 09/03/1985 (El-Mehalla alkopra, Egypt)
- **Gender:** Male
- **Nationality:** Egyptian
- **Marital state:** Married
- **Military service:** Exemption
- **Current position:** Assistant Professor of Inorganic Chemistry
- **Specialization:** Chemistry
- **Precise specialization:** Coordination Chemistry & Material Science.
- **Institution:** Department of Chemistry, Faculty of Science, New Valley University, El-Kharga -72511, Egypt.

## Contact Information:

- **Mobile:** (002) 01013940705
- **Phone:** (002) 0402845548
- **Fax:** (002) 0927925393
- **E-mail:** [w.elassy@yahoo.com](mailto:w.elassy@yahoo.com) or [w.elassy@sci.nvu.edu.eg](mailto:w.elassy@sci.nvu.edu.eg)
- **Google Scholar Link:**
- [https://scholar.google.com/citations?hl=en&user=MM\\_25v4AAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=MM_25v4AAAAJ&view_op=list_works&sortby=pubdate)
- **ORCID link:** <http://orcid.org/0000-0002-8385-0275>
- **SCOPUS**

link: <https://www.scopus.com/authid/detail.uri?authorId=55885768300>

- **Home address:** El-Mahalla – El-kubra – El-gharbia - Egypt.
- **Work address:** Department of Chemistry, Faculty of Science, New Valley University, El-Kharga-72511, Egypt.  
[http://nvu.edu.eg/membercv.php?M\\_ID=6228](http://nvu.edu.eg/membercv.php?M_ID=6228)

## EDUCATION

**( 2019 ) Assuit University new valley Branch:**

**Ph.D. in Inorganic Chemistry**

**(2013 ) Mansoura University:**

Master in Chemistry (Inorganic Chemistry) defense at 2013

**(2006) Mansoura University:**

-B.Sc Chemistry Dep. Mansoura University.

-Grade: very good.

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## SKILLS

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**Computer Skills:** ICDL International Computer Driving License Version 4 & 5.

1. Prefect working knowledge of Microsoft Office (Windows, Word, Excel, Power point, Access 2003)
2. Prefect command of using Internet.
3. Good user of origin, modeling program (material studio, Guassian and Mercury), Chemoffice and Photoshop
4. R12 Oracle E-Business Suite Essentials for Implementers  
R12 Oracle Inventory Management Fundamentals  
R12 Production and planning Fundamentals

## Language Skills:

☐ **English:**

- **TOEFL.ITP "AIMDEAST" with score (435/677)**  
Jul till Sept 2009: Preparation course for the **TOEFL**

☐ **Arabic:**

- Native language Arabic.

☐ **French:**

- Little knowledge ready to be improved.

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## Training

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- **Jul. 2005 till Aug. 2005:**  
Sandoup Textile & Chemical industries.  
Laboratories the Faculty of Science, Mansoura University

## Academic Positions:

- **Assistant Professor of inorganic Chemistry** at 01/02/2020 up till now, Department of Chemistry, Faculty of Science, New Valley University, El-Khârga, Egypt.
- **Teaching Assistant** in 2015-2019, teaching of theoretical and practical courses on Engineering Chemistry at Faculty of Engineering, Mansoura University, Egypt.
- **Supervision** on some Theses (1 Ph.D. + 5 M.Sc.).

## Awarded Degrees:

- **M.Sc.** "Studies on Some Complexes Containing Nitrogen as Donor Atom".
- **Ph.D.** "Synthesis, Characterization and Molecular Modeling of some Metal Complexes Derived from Polypyridyl Ligand".

## Fields of Interest:

- coordination compound
- Bio-inorganic compound
- Energy production
- Nanotechnology
- Water Treatment

## Teaching Courses:

1. General chemistry
2. Coordination chemistry
3. Analytical chemistry
4. S, P block
5. d-block
6. Quantum Chemistry
7. Nuclear Chemistry
8. Magneto chemistry Post-Graduates

## Conferences and Publications

- Structural comparative studies on new Mn<sup>II</sup>, Cr<sup>III</sup> and Ru<sup>III</sup> complexes derived from 2,4,6-tri-(2-pyridyl)-1,3,5-triazine (TPTZ)
- Comparative studies and modeling structures of two new isomers containing binuclear Pd<sup>II</sup> complexes derived from 2,4,6-tri-(2-pyridyl)-1,3,5-triazine (TPTZ)
- Structural comparative studies on new Pt<sup>IV</sup> complex derived from 2, 4, 6-tri-(2-pyridyl)-1, 3, 5-triazine (TPTZ)
- Synthesis, characterization and the role of ionic radii on the mechanistic of solvothermal for polyazine Pt<sup>IV</sup> complexes: Reduction Pt<sup>IV</sup> to Pt<sup>II</sup>, DFT, x-ray single crystal and anticancer studies
- X-ray crystal of diprotonated tetra-(2-pyridyl)pyrazine (H<sub>2</sub>TPPZ), aqua Fe<sup>3+</sup>-phen crystal and new lanthanide complexes of TPPZ and their biochemical studies
- Removal of toxic thymol sulfone phthalein dye from wastewater by using efficient adsorbent NiO nanoparticles
- Comparative and biological studies of Cu<sup>2+</sup> bicine and tricine chelates and their structures by single-crystal X-ray, DFT/B3LYP, and molecular docking studies
- Novel complexes derived from tetra-(2-pyridyl) pyrazine (TPPZ): Spectroscopic, DFT, molecular docking, and biological studies.
- Structural variety of Co<sup>2+</sup>, Ni<sup>2+</sup>, Pd<sup>2+</sup>, and Pt<sup>4+</sup> complexes of a hydrazone based on Girard's T: Synthesis, spectroscopic, molecular docking simulation on CTX-M-14  $\beta$ -lactamase, and theoretical (DFT) studies
- X-ray crystallographic of a novel pyrimidine ligand (LPH) and its metal chelates Cr<sup>3+</sup>, Ni<sup>2+</sup>, and Ru<sup>3+</sup>: A comprehensive study on synthesis, characterization, computational investigations, and biological evaluation toward anticancer and antioxidant

*I hope my Curriculum Vitae meet your satisfaction to join  
your successful team*