

CURRICULUM VITAE

Name: Shima Mahdy Abdel-Fatah

Occupation: lecturer, Chemistry Department, Faculty of Science Sohag University.

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Graduation:

1- **Ph.D.** In Chemistry, from Sohag University, November, 2019.

Thesis title: Development, Structural Inspection, Expected Biological and Catalytic Applications of Some New Bioactive Transition Metal Imine Complexes

2- **M.Sc.** In Chemistry, from Sohag University, November, 2016.

Thesis title: Physicochemical and Pharmaceutical Studies of Some Transition Metal Complexes Incorporating Imine Ligands as Precursors for Nano-Sized Metal Oxides.

3- **B.Sc.** In Chemistry Major, Excellent (honor) degree, Sohag University, June, 2012.

Employment History:

1- Lecturer: Chemistry Department, Faculty of Science, Sohag, University, since January 2019 till now.

2- Assistant lecturer: Chemistry Department, Faculty of Science, Sohag, University, 2016 – 2019.

- 3- Demonstrator : Chemistry Department, Faculty of Science, Sohag, University, 2013 – 2016.

Research interest:

- 1- Schiff bases and their complexes and its interaction with DNA.
- 2- Antimicrobial and Anticancer activities of Schiff bases complexes.
- 3- Synthesis and characterization of metal oxides nanoparticles via thermal decomposition of their corresponding complexes.
- 4- Investigation of catalytic potential towards benzyl alcohol oxidation by using some of the prepared complexes and corresponding metal oxide nanoparticles.
- 5- Investigation of the electrical behavior of the prepared imine complexes and their corresponding metal oxides.

Computer Skills:

1. Excellent computer skills, besides using operating systems and various program packages for Microsoft.
2. I have got international computer deriving license certificate (ICDL), October 2009.
3. I have got a certificate in Statistical program for social science (SPSS) June, 2013.
4. I have got a certificate in End Note, June, 2013.
5. I have got a certificate for attendance a cycle in Web Publishing using Front Page, 2013.
6. I have got training program from Orascom Training &Technology (TOT), 2017.

Conferences and Workshops:

1. The Fourth Scientific Conference for Young Researchers, Sohag, Egypt, April, 2018.

2. Attendance workshop on Services of the Egyptian Knowledge Bank EKB, Sohag University, 11, 12 Feb. 2018.
3. Attendance the second scientific day of Faculty of Science, Sohag University, Sohag, 19/4/2017
4. Attendance the first scientific day of Faculty of Science, Sohag University, Sohag, 20/4/2016.
5. Attendance the 1st International Conference on Applied Chemistry (ICAC-1) Applied Chemistry for Community Development, Hurghada, Egypt, March 14-17, 2016.
6. Attendance the 13th IBN SINA International Conference on Pure and Applied Heterocyclic Chemistry Heterocyclic Chemistry for Sustainable Future, Hurghada, Egypt, February, 2014.
7. Attendance conference organization course.
8. Attendance student evaluation course.
9. Attendance research ethics course.
10. Attendance quality standards in the training process course.
11. Attendance self-evaluation course.
12. Attendance academic guidance course.
13. Attendance time and conference management course.
14. Attendance managing the research team course.
15. Attendance anti-corruption course

Teaching experience: the topics include,

- Organometallic chemistry.
- Coordination chemistry: theories, bonding, spectra and reaction mechanism.
- Chemistry of s and p block elements.
- Chemistry of d and f block transition elements.
- Molecular spectra.
- General chemistry.

- Physical chemistry.

Scientific Editorial Experience: Referee for the following Journals,

- 1- Applied Organometallic Chemistry
- 2- Inorganica Chimica Acta.

Books:

1. Laila H. Abdel Rahman, Ahmed M. Abu-Dief, Shimaa Mahdy Abdel-Fatah, Pharmaceutical Applications of Nano Imine Complexes and Their Oxides, LAMBERT Academic Publishing 2017, ISBN: 978-3-330-05-192-8

LIST OF PUBLICATION

Abdel-Fatah, S.M., Abdel-Rahman, L.H., Díaz-Sánchez, M., Díaz-García, D., Prashar, S. and Gómez-Ruiz, S., J. Inorg. Organomet. Poly. 30, 1293-1305(2020).

Abdel-Rahman, L.H., El-Khatib, R.M., Abdel-Fatah, S.M., Moustafa, H., Alsalmeh, A.M. and Nafady, A, Appl. Organomet. Chem. 33, **5177 (2019)**.

Al-Saeedi, S.I., Abdel-Rahman, L.H., Abu-Dief, A.M., Abdel-Fatah, S.M., Alotaibi, T.M., Alsalmeh, A.M. and Nafady, A., Catalytic oxidation of benzyl alcohol using nanosized Cu/Ni schiff-base complexes and their metal oxide nanoparticles. Catalysts, 8(10), p.452 (2018).

Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, Rafat M. El-Khatib and Shimaa Mahdy Abdel-Fatah. Int. J. Nano.Chem. 4, 2018, 1-17.

Ahmed M. Abu-Dief and Shimaa Mahdy Abdel-Fatah, Beni-Suef University Journal of Basic and Applied Sciences, 2018, 7, 55-67.

Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, Rafat M. El-Khatib, Shimaa Mahdy Abdel-Fatah, A. M. Adam, E.M.M. Ibrahim, accepted manuscript, Applied Organometallic Chemistry. 32,4174(2018).

Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, Rafat M. El-Khatib, Shimaa Mahdy Abdel-Fatah, *bioorganic Chemistry*, 69, 140–152 (2016).

L.H. Abdel-Rahman, R.M. El-Khatib, A.M. Abu-Dief, , Shimaa Mahdy Abdel-Fatah and A.A. Sleem, *Int. J. Nano.Chem.* 2, 2016, 83-91.

Laila H. Abdel-Rahman, Ahmed M. Abu-Dief, Rafat M. El-Khatib, Shimaa Mahdy Abdel-Fatah, *Journal of Photochemistry & Photobiology, B: Biology* 162, 298–308 (2016).
