

# Curriculum Vitae

## Maysa Mahsoun Abdelrahman Ali

### Personal information

☒ **Name:** Maysa Mahsoun Abdelrahman Ali

☒ **Publication name:** Maysa M. Makhlouf

☒ **Date of birth:** 1<sup>st</sup> July, 1989

☒ **Nationality:** Egyptian

☒ **Marital Status:** Married

☒ **Address (1):** 46 Taha Hussien, El-Minia, Egypt.

☒ **Address (2):** Central Laboratory for Microanalysis and Nanotechnology, Minia University 61519, El-Minia, Egypt.

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☒ **Important links:**

**Research gate:**

[https://www.researchgate.net/profile/Maysa\\_Makhlouf](https://www.researchgate.net/profile/Maysa_Makhlouf)

**ORCID ID:** <https://orcid.org/0000-0001-9970-3387>

**Scopus ID:** [56320317400](https://scopus.com/authid/detail.uri?authorId=56320317400)

**Google scholar:**

<https://scholar.google.com/citations?user=4YRu-vkAAAAJ&hl=en>

## **Current employment:**

- ☒ From 1 / 2012 till now: Science Specialist, Central Laboratory for Microanalysis and Nanotechnology, Minia University, Minia, Egypt.

## **Main activities and responsibilities:**

- ☒ Working at X-ray Diffraction unit in Central Lab. from 2012 till now), Minia University.
- ☒ Working at S.E.M unit in Central Lab. (from 2018 till now), Minia University.

## **Academic Qualifications:**

### **☒ Bachelor of Science (B. Sc):**

Chemistry department, Faculty of Science, Minia University, June 2010.

Grade: Excellent with honor (**87.38%**)

### **☒ Master degree:**

M. Sc. Degree in Organic Chemistry (11/2015), Chemistry Department, Faculty of Science, Minia University, Minia, Egypt.

**Thesis entitled:** (New Reactions of Hydrazinecarbo-thioamids with  $\pi$ -Deficient Compounds)

### **Thesis advisor:**

1. "Prof. Dr. Alaa A. Hassan" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt.
2. " Prof. Dr. Nasr Kamel Mohamed" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt.

### **☒ Ph.D Degree**

Ph.D Degree in Organic Chemistry (7/2020), Chemistry Department, Faculty of Science, Minia University, Minia, Egypt.

## **Thesis entitled:**

"Hydrazinecarbothioamids in the synthesis of biologically active heterocyclic compounds"

## **Thesis advisor:**

- ☒ "Prof. Dr. Alaa A. Hassan" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt.
- ☒ "Prof. Dr. Ashraf A. Aly" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt.
- ☒ "Prof. Dr. Nasr Kamel Mohamed" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt.
- ☒ "Prof .Dr. Kamal Mohamed El-Shaieb" Professor of Organic Chemistry, Faculty of science, Minia University, Minia, Egypt

## **☒ Workshops**

1. Quality Assurance, Minia University, Egypt
2. Management of Time and Meeting, Minia University, Egypt.
3. Ability to work under any conditions and with teamwork.
4. Effective Communication.
5. Effective Presentation Skills.
6. Endnote training in information technology center, Minia University.
7. Systems of examinations and evaluation of students.

## **☒ Expertise and Research Interests**

1. Design and synthesis of organic compounds of potential biological activities.
2. Reaction mechanistic study.
3. Professional in the isolation of pure compounds by using chromatographic methods (Plate layer chromatography (PLC), TLC, column chromatography) and independently confirm structure of the obtained compounds using different spectroscopic data analysis (IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, DEPT, <sup>2</sup>D-NMR, mass spectrometry and single crystal X-ray analysis).

4. Lead undergraduate and postgraduate students independently
5. Professional Technician in Using IR.
6. High skills in Microsoft programs, Internet and Chemistry Programs (Chem draw, endnote, ).
7. Writing scientific articles in academic routes.
8. Excellent in communication with international journals.

### ☒ **Personal skills and competences**

Languages: Arabic: Mother tongue

English: (Excellent written and spoken)

Computer: Excellent in windows, word, powerpoint, internet  
(Have ICTP certificate)

### **List of Publications:-**

#### **M. Sc. Publications**

1) "Reaction of Dimethyl Acetylenedicarboxylate with Dithiobiurea Derivatives" *Alaa A. Hassan, Nasr K. Mohamed, **Maysa M. Makhlof**, Stefan Bräse and Martin Nieger, *Synthesis*, 2014, 46, 3097-3102.*

2) "Synthesis of Oxa-aza- and Bis-oxathiaaza[3.3.3]-propellanes from Dicyanomethylene-1,3-indanedione and 2,5-Dithioureas", *Alaa A. Hassan, Nasr K. Mohamed, **Maysa M. Makhlof**, Stefan Bräse, Martin Nieger, *Synthesis*, 2015, 47, 3036-3042.*

3) "(Hex-2-en-ylidene)-N-Substituted hydrazinecarbo-thioamides and 2,3-Dichloro-1,4-naphthoquinone: Nucleo-philic Substitution Reactions and Synthesis of Naphtho-[2,3-*f*][1,3,4]thiadiazepines and Naphtho[2,3-*d*] thiazoles", *Alaa A. Hassan, Nasr K. Mohamed, **Maysa M. Makhlof**, Stefan Bräse, Martin Nieger and Henning Hopf, *Synthesis*, 2016, 48, 3134-3140.*

4) "Thiazolidin-4-ones from Thiocarbohydrazides", *Alaa A. Hassan, **Maysa M. Makhlof**, J. Heterocyclic chemistry, 2018, 55, 2480-*

## **Ph.D Publications**

- 5) Reactive intermediates in the reaction of hydrazinecarbothioamides with 2-(bis(methylthio)methylene)-malononitrile and ethyl-2-cyano-3,3-bis(methyl-thio)acrylate. Ashraf A. Aly, Alaa A. Hassan, Nasr K. Mohamed, Kamal M. El-Shaieb, **Maysa M. Makhlof**, Stefan Bräse, Martin Niéger, *Research on chemical intermediates*, **2019**, *45*, 613–631.
- 6) Design, Synthesis, and DNA Interaction Studies of Furoimidazo[3.3.3]Propellane Derivatives: Potential Anticancer Agents. Alaa A. Hassan, Ashraf A. Aly, Nasr K. Mohamed, Kamal M. El Shaieb, **Maysa, M. Makhlof**, El-Shimaa M. N. Abdelhafez, Stefán Bräse, Martin Niéger, Kevin N. Dalby, Tamer S. Kaoud, *Bioorganic Chemistry*, **2019**, *85*, 585–599.
- 7) Functionalized 1,3-Thiazolidin-4-Ones from 2-Oxo-Acenaphthoquinylidene- and [2.2]Paracyclophanyl-idene-Thiosemicarbazones. Ashraf A. Aly, Nasr K. Mohamed, Alaa A. Hassan, Kamal M. El-Shaieb, **Maysa M. Makhlof**, Stefàn Bräse, Martin Nieger, Alan B. Brown, *Molecules*, **2019**, *24*, 3069-3089.
- 8) Reactivity of *N*-substituted alkenylidene hydrazine-carbothioamides toward tetracyanoethylene: an efficient synthesis stereoselective 1,3-thiazole compounds. Alaa A. Hassan, Ashraf A. Aly, Nasr K. Mohamed, Kamal M. El-Shaieb, **Maysa M. Makhlof**, Stefan Bräse, Martin Nieger, Alan B. Brown, *Research on Chemical Intermediates*, **2020**, *46*, 1571-1585.

9) Chemistry and Biological Activities of 1,2,4-Triazolethiones—Antiviral and Anti-Infective Drugs. Ashraf A. Aly, Alaa A. Hassan, ***Maysa M. Makhlouf***, Stefan Bräse, *Molecules* **2020**, *25*, 3036.

10) Design and synthesis of hydrazinecarbothioamide sulfones as potential antihyperglycemic agents. Ashraf A Aly, Alaa A Hassan, ***Maysa M Makhlouf***, Mohammed B Alshammari, Sara Mohamed Naguib Abdel Hafez, Marwa M M Refaie, Stefan Bräse, Martin Nieger, Mohamed Ramadan, *Arch. Pharm.* **2021**. e2000336.

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