

CURRICULUM VITEA

❖ Personal Information معلومات شخصية:

- **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA**
- Date of birth: Oct, 25/02/1984
- Place of birth: Sebha, Libya
- Sex: Male
- Marital status: Married
- Nationality: Libyan



❖ Contact Information معلومات الاتصال :

- Postal Address: C015, Chemistry Department, Faculty of Science, Sebha University, Sebha City, Libya.
- Mobile No: +218 92 634 2652
: +218 91 145 5171
- E-mail: bou.hosouna@sebhau.edu.ly, chemistry_physical@yahoo.com

❖ Objectives الأهداف :

- I am willing to give total support the organization that I am in, with the experience and capability that I have, in order to achieve organization's goals and create mutual benefits.

❖ Languages اللغات:

1. Arabic (excellent).
2. English (fluent).

❖ Computer Skill and Courses مهارات الكمبيوتر :

1. Introduction to Computer Science (Sebha University), Libya.
2. Ms Word, excel, and PowerPoint, (Sebha University), Libya.
3. Advanced Ms Word, excel, and PowerPoint (Universiti Sains Malaysia), Malaysia.
4. Computational chemistry software's (Gaussian 03, 09 – Hyperchem 08 – Autodock 04 – Gromacse simulation – Chemmaths - Chem 4-D Demo - Quantum Atomica - ChemLab v2.5 - Mercury 2.4 – ArgusLab - ChemSketch software).
5. Install & Remove windows 7 & Linux systems.

❖ Chemical Instrumentation Skill and Courses مهارات الأجهزة الكيميائية:

1. PH meter, Turbidity meter, Conductivity meter, Viscosity instrument, all these instrumentation under Dr. Mohamed Mosbah in, m64mousbah@yahoo.com, 2003-2004.

2. Mass Spectrometry under Dr. Abdulsalam salhin, Email: salam_salhin@yahoo.com. 2010-2011.
3. IR, UV/Vis, TGA, DTA, DMA, TMA and DSC under Prof. TEOH, Email : sgteoh@usm.my, 2010-2011.
4. Atomic force microscopy (AFM), Scanning Tunnelling Microscope (STM), Scanning Electron Microscopes (SEM), Transmission Electron Microscopy (TEM), under Prof. Mohd. Jain Noordin Mohd. Kassim, Email : mjain@usm.my, 2010-2011.
5. HPLC, GC, IC and CE, under Prof. Bahruddin Saad, Email: bahrud@usm.my, 2011-2012.

❖ **Education** المستوى الأكاديمي:

1. Degree of B.Sc: Chemistry Department, Faculty of Science/ Sebha University, Sebha/ Libya, with General Grade (Very Good) and the Rate of (B+ = 3.33), 2005/2006.
2. Degree of M.Sc: chemical instrumentation, chemical school, University Science Malaysia, Pulau Pinang, Malaysia, with General Grade (Good) and the Rate of (B- = 2.72), 2014.
3. Honorary Doctorate Degree (Dr.h.c), “ Life Science”, Smart International College, London, United Kingdom, E16 2DQ, Certificate NO: DR6002, Excellent Degree With Honors, 2021.
4. PhD Student one year in University Putra Malaysia UPM.

❖ **Workshops** ورشات العمل:

1. ANOVA & MANOVA WORKSHOP in IPS Room (in 01 October 2010).
2. DATA ANALYSIS WORKSHOP in school of social sciences (in 05 October 2010).
3. NVIVO WORKSHOP in school of social sciences (in 22 October 2010).
4. ACADEMIC PUBLICATION WORKSHOP in IPS Room (in 01 July 2010).
5. LOG LINEAR MODELING WORKSHOP in IPS Room (in 09 February 2012).
6. MOLECULAR MODELLING WORKSHOP SERIES in School Of Pharmaceutical Science (in 15-16 June 2013).

7. الحوسبة الكمومية للمحاكاة الذرية و كيفية استخدام البرامج الحوسبية بالأنجستروم (2015).

8. دراسة احصائية لأهمية الارتباط بين فئتين أثنين و كيفية التدقيق الإحصائي (2016).

❖ **Professional experience** الخبرات المهنية:

1. Computational chemistry software's (Gaussian 03,09 – Hyperchem 08 – Autodock 04 – Gromacse simulation – Chemmaths - Quantum Atomica - ChemLab v2.5 - Mercury 2.4 – ArgusLab - ChemSketch software - LogPlot 7 - Notepad++ - Chemcraft - DNA Baser - Atoms, Bonding & Structure - Chem3D Pro 13.0 – Avogadro software).
2. Molecular Modelling.
3. Molecular Docking.
4. Molecular Mechanics.
5. Molecular Dynamics.

6. Molecular Simulation.

❖ Graduate Assistant **مساعد للدراسات العليا:**

Sebha University, Faculty of Science, Department of chemistry as a fellowship holder (two years) 2007/2009.

❖ Research Assistant **مساعد للبحوث العلمية:**

University Science Malaysia (One year) 2012/2013.

❖ Awards **الجوائز:**

1. It was ranked third at the level of the Faculty of Sciences, Sebha University in the year 2006.

❖ Administrative activities **الأنشطة الإدارية:**

1. Study and exams in the Department of Chemistry. (1/1/2015 – 31/1/2016)
2. Registrar of the Faculty of Science. (16/2/2016 – 30/3/2019)
3. Vice Dean of the Faculty of Science. (1/6/2021 – Now)

❖ Publications scientific papers **الأوراق العلمية المنشورة:**

1. UV-vis spectroscopy and docking calculation studies on the inclusion complex of methyl red with cyclodextrins, **Boubaker Hosouna**¹, ROHANA ADNAN², The Third Basic Science International Conference – (2013).
2. Molecular Docking and Semi-Empirical Quantum Studies on Cholesterol with Cyclodextrins **B Hosouna**^{1*}, AAA Abdusalam, HY Aboul-Enein, HA Wagdy Current Nutrition & Food Science 14 (3), 204-210 (2017).
3. Electrochemical Detection of ascorbic acid using Fe-Mn-SO₄-2-/ZrO₂ (FMSZ) Modified Glassy Carbon Electrode M Zidan, FH Alhassan, A Al-abbasi, **B Hosouna**⁴, YT Yap Journal of Pure & Applied Sciences 17 (1) (2018).
4. Computational Study for some synthesised derivatives of mono and di-[(E) -1-phenylmethylene]-1-cyclohexanone and their biological activities, *Arabya Almutaleb¹, **Boubaker Hosouna**¹, Huda Alrawig². Journal of Pure & Applied Sciences, 17(2) 2019.
5. Modeling and Simulation of sorption of Pb(II) ions onto synthesized graphene oxide surface – Erhayem M, **Hosouna B**^{*}, Zidan M. journal-of-nanoscience-and-nanotechnology-applications (ISSN:2577-7920) 2019.
6. Molecular modelling of the Garlic compound with the beta-cyclodextrin at the best computer simulation, Mabroukah Mahjoub¹, Aziza ahwedi¹, **Boubaker Hosouna**¹². Journal of Nature, Lifeand Applied Sciences, Volume (3), Issue (3): 30 Sep 2019, P: 19 – 33.
7. The study of a better complex configuration is included at the highest polar determination of D-lemons with the β-Cyclodextrin by atomic computation, NORHAN ALI¹, **Boubaker Hosouna**¹². Journal of Nature, Lifeand Applied Sciences, Volume (3), Issue (3): 30 Sep 2019, P: 34 – 46.
8. Theoretical and Spectroscopic Studies of SN Donor Thiosemicarbazone Ligand and Its Pt(II) Complex, Khadija Abdusslam Ahmida and Abdulasalam Amhamed Mohamed Alshreef *Amna Qasem Ali, **Boubaker Hosouna**, SEBHA UNIVERSITY JOURNAL OF PURE & APPLIED SCIENCES (2021).

9. A mathematical modeling concept of the time dependent Schrödinger's equation using Maxwell's equations and special relativity, ZD Ahwidy, HMA Malek, Abdussalam E Mansur, Hana AS Salem, **Boubaker M Hosouna**, Journal of Pure & Applied Sciences (2021).
10. Computational study of the effectiveness of natural herbal derivatives on COVID-19 virus, **boubaker hosouna**¹, Hamed M.A. Malek², Saieed Mohamed A Abdelsalam³, Z.D. Ahwidy², Advanced Journal of Chemistry-Section B Natural Products and Medical Chemistry (2021).
11. Characterization study for Sulfacetamide (C₈H₁₀N₂O₃S) and Sulfanilamide (C₆H₈N₂O₂S) drugs with Fe(NO₃)₃ and Co(NO₃)₃ by DFT and Statistical analysis calculation, Mohammed Zidan, **Boubaker.M.Hosouna***, Wafa Adam, Bayan Journal-Sirt University, ISSN:2790-0614 (2022).

❖ **Publications scientific books** الكتب العلمية المنشورة:

1. **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA**^{1*}, ROHANA ADNAN², (2013). Molecular Modelling of Inclusion Complexes: Theoretical, Experimental Investigation, and Application. LAP LAMBERT Academic Publishing, Germany, **ISBN-10:** 3846501409, **ISBN-13:** 978-3846501405.

2 المحاكاة الذرية بين مركب الليمون و متراكب البيتاسيكلوديكترين " . التداخل عند أفضل عزم قطبي للطاقة التداخلية" - أبوبكر احسونه ، نورهان الحسن . مؤسسة نور للنشر و التوزيع . رقم المعيار الدولي (ISBN: 978-613-9-43055-0)، رقم الكود للكتاب (978-613-9-43055-0).

3 النمذجة الجزيئية لمركب الأليلين "الثوم" مع معقد البيتاسيكلوديكترين. " دراسة أفضل إستقرار للمعقد المدرج عند أقل طاقة تداخلية " - أبوبكر احسونه، مبروكة محجوب، عزيزة هويدي . مؤسسة نور للنشر و التوزيع . المعيار الدولي (ISBN: 1-43061-9-613-978)، رقم الكود للكتاب (978-613-9-43061-1).

❖ **Conferences** المؤتمرات العلمية:

1. **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA**, ROHANA ADNAN, Theoretical and Experimental studies of inclusion complex of methyl red with cyclodextrins, 4th Penang International Conference for Young Chemists, 30th January – 1st February 2013. University Science Malaysia, Penang, Malaysia, icychemist@gmail.com.
2. **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA**, ROHANA ADNAN, ICMCC MARCH 28-29, 2013: International Conference on Mathematical and Computational Chemistry, WORLD ACADEMY OF SCIENCE, ENGINEERING AND TECHNOLOGY, ES INTERNATIONAL CONGRESS PROGRAMME NH, Eurobuilding Padre Damián 23, 28036 Madrid, Spain, e-mail: info@waset.org.
3. **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA**, ROHANA ADNAN, UV-vis spectroscopy and semiempirical quantum chemical studies on the inclusion complex of methyl red with cyclodextrins, 3rd Annual Basic Science

International Conference, 16th April – 17th 2013. Universitas Brawijaya, Jl. Veteran 2, Malang 65145, Indonesia, e-mail: tourbasic2013@gmail.com.

4. **BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA, ROHANA ADNAN,** Docking and Semi empirical calculation studies on the inclusion complexes, 2nd International Postgraduate Conference on Pharmaceutical Sciences, September 2nd – 7th 2013. Universiti Teknologi MARA (UiTM) and Postgraduate Society, Faculty of Pharmacy, e-mail: khairunnisarazali@gmail.com.

❖ **Membership** **العالمية المنظمات في المشارك في** : عضو

- American Chemistry Society, Membership Number: [30645491](#)**
- Institution of Chemical Engineers, Membership Number: [99968197](#)**
- Royal Society of Chemistry, Membership Number: [519507](#)**

❖ **Scientific academic interests** **الهوايات الأكاديمية العلمية** :

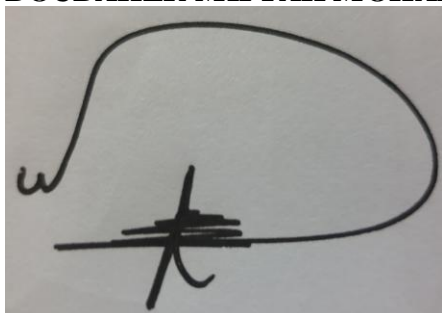
- Computational Chemistry.
- Polymer Science.
- Molecular Modelling.
- Molecular Docking.
- Molecular Mechanics.
- Molecular Dynamics.
- Molecular Simulation.

❖ **Personal life Hobbies** **هوايات الحياة الشخصية** : Table tennis

❖ **Sociability** **الاجتماعية** : Middle

Yours faithfully,

BOUBAKER MIFTAH MOHAMMED ALI HOSOUNA.

A handwritten signature in black ink on a light background. The signature is stylized and appears to be 'B. M. A. H.' with a large, sweeping flourish above the letters.