

Curriculum Vita



PERSONAL INFORMATION

Name Ashraf Ahmed Ali Abdusalsalam
Sex Male
Date of Birth 27th January 1978
Nationality Libyan
Marital Status Married
Mailing Address Sirte Libya
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Ash2006rf@yahoo.com
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ACADEMIC AND PROFESSIONAL QUALIFICATIONS

2011- 2016 PhD (Pharmaceutical chemistry), (University Sains Malaysia) USM
Thesis Title: *In-vitro* and molecular docking studies for seven selected Myrtaceae plant for neuraminidase activity

2007-2009 M.Sc., in Chemistry (Chemical Instrumentation) (University Sains Malaysia) 2.94

Thesis Title: Development of a HPLC method for the determination of the banned dyes (Sudan and Para Red) in chilli samples

2004-2006 Preliminary Stage for Obtainment of Master Degree Chemistry, (Sabah University Libya) 75.2%

1996-2000 B.Sc. in Chemistry , (Sabah University Libya) 71.3%

WORKING EXPERIENCES

Assistant professor Department of Pharmaceutical sciences, faculty of Health Sciences, Sirte University, Sirte Libya 2017- Current.

RESEARCH INTEREST

- 1- Discovery of a new drug candidate from natural product source with the aid of molecular modeling, molecular docking studies.
- 2- *In silico* virtual screening of large library to find potent inhibitors against various disease.
- 3- Conducted bioassay for influenza virus (H1N1 and H5N1)
- 4- Use of different instrumentation (GC-MS, FT-IR, NMR, HPLC, MS) to isolate and elucidate compounds from natural products and analysis known drugs.

PUBLICATIONS

A. PUBLISHED ARTICLE

- 1** **Ashraf Ahmad Ali Abdalsalam**, Mohammad T.M. Al-Dajani,^a Nornisah Mohamed,^a Madhukar Hemamalini,^b and Hoong-Kun Fun
1,3-Benzothiazole-oxalic acid (2/1). **Acta Crystallographica Section E: Structure Reports Online**. 67(Pt 9):o2342. (2011)
- 2** Mohamed Rashid Ahmed-Haras¹, Mohamad Nasir Mohamad Ibrahim¹, Abdussalam Salhin Mohamed Ali¹, Coswald Stephen Sipaut², **Ashraf Ahmed Ali Abdusalsalam**³
Lignocellulosic-Based Rheological Modifier for High Temperature Oilfield Drilling Operations: **American Journal of Engineering Research (AJER)** Volume-02, Issue-11,
pp-230-241
- 3** **Ashraf Ahmed Ali Abdusalsalam**
In-silico virtual screening and ADMET study for new neuraminidase N1 inhibitor for the 150-cavity. **Journal of Applied Pharmaceutical Science** Vol. 7 (05), pp. 024-033, May, 2017
- 4** Boubaker Hosouna^a, **Ashraf Ahmed Ali Abdusalam**^{b*} and Hassan Y. Aboul-Enein^c Hebatallah A Wagdy^d
Molecular Docking and semi-Empirical Quantum Studies on Cholesterol with Cyclodextrins. **Current Nutrition & Food Science** Volume 14 , Issue 3 , 2018
- 5** Gazala Mohamed Ben-Hander^{1*} , **Ashraf Ahmed Ali Abdusalam**² , Bahruddin Saad³ , Ahmad Makahleh⁴ and Salizawati Muhamad Salhimi⁵
Method Validation for Determination of Metformin Hydrochloride in Pharmaceutical Formulations by Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection. **Chemical Science International Journal** Volume 26 Issue 1, pp 1-10, 2019
- 6** **Ashraf Ahmed Ali Abdusalam**^{1*} Gazala Mohamed Ben-Hander
Virtual screening for identification of potent anti-asthmatic compounds extracted from thyme plant: *In-silico* approach. **Journal of Pharmaceutical and Scientific Innovation J. Pharm. Sci. Innov.** 2019; 8(5).
- 7** Gazala Mohamed Ben-Hander^{*}, Ibrahim Ahmed Alsaeh, **Ashraf Ahmed Ali Abdusalam**, Primary Study for Determination of some Toxic Heavy Metals in Goat Milk Samples in Sirte, Libya, **Journal of Basic and Applied Chemistry** 10(1) (2020) 1-5.
- 8** **Ashraf Ahmed Ali Abdusalam**^{1*} Vikneswaran Murugaiyah
Novel Acetylcholinesterase Inhibitors Identified from ZINC Database Using Docking-Based Virtual Screening for Alzheimer's Disease. **ChemistrySelect** 5(12):3593-3599

- 9 **Ashraf Ahmed Ali Abdusalam**^{1*} Vikneswaran Murugaiyah

Identification of Potential Inhibitors of 3CL Protease of SARS-CoV-2 From ZINC Database by Molecular Docking-Based Virtual Screening. **frontiers in molecular biosciences**. 17 December 2020

- 10 Aysha Mezoughi^{1*} Wanisa Abdussalam-Mohammed² **Ashraf Ahmed Ali Abdusalam**³

Synthesis and Molecular Docking Studies of Some Thiohydantoin Derivatives as Potential Anticancer and Antimicrobial Agents. **Advanced Journal of Chemistry-Section A**, 2021, 4(4), 327-338

JOURNAL REVIEWER

- 1 **Journal of Applied Pharmaceutical Science**

Title:- Synthesis, anticancer activity, and docking study of N-acetyl pyrazolines from veratraldehyde

Review Date:[Dec 11, 2018]

- 2 **Journal of Applied Pharmaceutical Science**

Title:- De novo design and in silico analysis of novel 1,3,4-thiadiazol-2-yl-azetid-2-one derivatives as potential antitubercular agents

Review Date:[May 24, 2019]

- 3 **Journal of Applied Pharmaceutical Science**

Title:- Design and synthesis of novel 4-aminophenazone Schiff bases by grinding technique as prospective anti-inflammatory agents

Review Date:[Oct 01, 2019]

- 4 **Journal Frontiers in Bioscience-Landmark**

Title:- Vitamin C and anti-HIV drug darunavir as combinatorial drug against COVID-19

Review Date:[Jan 25, 2021]

- 5 **Journal of Applied Pharmaceutical Science**

Title:- Effectivity of Remdesivir and some compounds as therapeutic potential drugs for anti-SARS-CoV-2: in silico studies

Review Date: [May 27, 2020]

- 6 **Journal of Applied Pharmaceutical Science**

Title:- Enantioseparation of Orphenadrine Citrate in Rabbit Plasma by UFLC Technique and Separation by Molecular Modelling Studies: Application to Enantioselective Pharmacokinetics

Review Date [Dec 20, 2020]

7 Journal of Applied Pharmaceutical Science

Title:- New Hybrid Scaffolds Based on ASA/Genistein: Synthesis, Cytotoxic Effect, Molecular Docking, Drug-likeness and in silico ADME/tox Modeling
Review Date [Jul 13, 2021]

CONFERENCES

- 1** Participant at 2nd International Conference for Young Chemists. School of Chemical Science University Sains Malaysia 2008.
- 2** **Ashraf Ahmed Ali Abdusalsalam** Bahruddin Saad Abdussalam Salhin Mohamed Ali Symposium Kimia Analysis Malaysia Ke-21 (SKAM 21) (Analytical Sciences for Progressive and Innovative Society) Sabah Malaysia 2008.
- 3** **Ashraf Ahmed Ali Abdusalsalam** Bahruddin Saad Abdussalam Salhin Mohamed Ali Acceptance of Abstract for Oral Presentation in 10th Asian Conference on Analytical Science 2009 Kuala Lumpur Malaysia.
- 4** **Ashraf Ahmed Ali Abdusalsalam** , Normisah Mohamed , Habibah A. Wahab, Rina Fajri Nuwarda, Nur Kusaira Khairul, Potential neuraminidase influenza A (H1N1) inhibitors of *Psidium guajava*, 2nd International Postgraduate Conference On Pharmaceutical Sciences 2nd-7th September 2013 (iPoPS) Faculty of Pharmacy, UiTM Malaysia.
- 5** **Ashraf Ahmed Ali Abdusalsalama**, Normisah Mohamed, Hasnah Osman, Evaluation of essential oils from the leaves of Myrtaceae family as potential neuraminidase inhibitor, International Conference on Natural Products 18th-19th March 2014, (ICNP) Palm Garden Hotel, Putrajaya, Malaysia.
- 6** Normisah Mohamed, **Ashraf Ahmad A. Abdusalsalam**, Hasnah Osman, Ezatul E. Kamarulzaman, Habibah A. Wahab, Chemical compositions of essential oils of *Psidium guajava* and *Syzygium sp.* and their *in vitro* antiviral activities. 251st American Chemical Society National Meeting & Exposition 13th-17th March 2016. San Diego, CA. UAS.
- 7** **Ashraf Ahmed Ali Abdusalam** Molecular Docking Of isolated Compounds From Thyme Against Asthma, An *In silico* Approach (Abstract). 2nd Libyan Conference on Medical and Pharmaceutical Sciences. April 2018 Tripoli Libya

FINAL PROJECT SUPERVISION

Supervision of final project at Tripoli Institute of Medical Sciences Department of Pharmacy-Sebha Branch academic year (2016-2017). under title:-
Molecular docking of compounds isolated from Thymes for Cough and Asthma

ATTENDED TRAINING & WORKSHOPS

- 1- Short Course on Chirality : Analysis and Emerging Issues.
Held on 23th -24th October, 2007 at School of Chemical Science University Sains Malaysia
USM
- 2- Training on 3D Capillary Electrophoresis & chemstation- familiarization.
Held on 29th April, 2008 at School of Chemical Science University Sains Malaysia USM
- 3- Statistical Technique Workshop.
Held on 9th -13th June, 2008 at School of Chemical Science University Sains Malaysia USM
- 4- Short course/Workshop On Procedures of Method Validation And Certification
Held on 28th -29th October, 2008 at Copthorne Orchid Hotel, Tanjung Bunga, Penang
Malaysia.
- 5- Nuclear Magnetic Resonance (NMR) Training Course
Held on 21th -26th April, 2011 at School of Pharmaceutical Science University Sains
Malaysia USM
- 6- Occupational Safety and Health Course
Held on 2 July 2011 at Lecture Hall SK2 University Sains Malaysia USM.
- 7- Molecular Modeling Workshop series (Molecular Docking and Virtual Screening)
Held on 15th -16th June , 2013 at PhDs Laboratory School of Pharmaceutical Science
University Sains Malaysia USM.
- 8- Seminar and Workshop Drug Discovery & Development Pipeline
Held on 4th -6th December 2013 at Malaysian Institute of Pharmaceutical and Nutraceuticals
(IPharm) 2013
- 9- 1st USM International Diabetes Awareness Workshop
Held on 30th of September, 2014 at School of Pharmaceutical Science USM
- 10- Computer Aided Drug Design (CADD) Seminar & Workshop
Held on 2th -5th December 2014 at Malaysian Institute of Pharmaceutical and Nutraceuticals
(IPharm) 2014
- 11- Introduction of Structure Elucidation: A Workshop at School of Pharmaceutical Science USM
held on 16 December 2014.
- 12- Computer Aided Drug Design (CADD) Seminar & Workshop
Held on 8th -10th December 2015 at Institute of Molecular Medicine (INFORMM) & School
of Pharmaceutical Science USM

PROFESSIONAL EXPERIENCE

- 1- Lab technical at central medical laboratory biochemistry department Sebha Libya.2002-200
Ability to work on Roche Professional Diagnostics - COBAS INTEGRA® 400 plus system
2002-2004

- 2- Worked on high performance liquid chromatograph (HPLC) **one year**. Ability to use and analysis real samples.
- 3- Teaching Analytical Chemistry (Separation chemistry 2nd year course) at Sebha University Academic year 2009 - 2010.
- 4- Graduate assistant (GA) of Pharmaceutical Chemistry course (HPLC, GC, and UV-Vis) of the 2nd year at a School of Pharmaceutical Science University Sains Malaysia (USM) 2011-2016 Malaysia.

COURSES TAUGHT

- 1- **Medicinal Chemistry Course** was taught for a 3rd-year student at Tripoli High Institute of Medical Sciences South area branch, the Academic year 2016-2017 Sebha Libya.
- 2- **Fundamental of Biochemistry course** was taught for the 2nd-year student (Dep. of Anesthesia and Medical Lab), at the Faculty of Health Sciences, Sirte University, the Academic year 2017-2018. Sirte Libya.
- 3- **Fundamental of Biochemistry course** was taught for 2nd year student (Dep. of Medical laboratories), at Faculty of Health Sciences, Sirte University, Academic year 2018-2019. Sirte Libya.
- 4- **Medical Terminology Course** for was taught 2nd year student,(Dep. of Pharmaceutical Sciences) at Faculty OF Health Sciences, Sirte University, Academic year 2018-2019. Sirte Libya
- 5- **Teaching Medicinal Chemistry I** for 3rd yeat ,(Dep. of Pharmaceutical Sciences) at Faculty of Health Sciences, Sirte University, Academic year 2019-2020. Sirte Libya.
- 6- **Teaching Instrumental Analysis** course for 3rd yeat ,(Dep. of Pharmaceutical Sciences) at Faculty of Health Sciences, Sirte University, Academic year 2019-2020. Sirte Libya.
- 7- **Teaching Medicinal Chemistry I** for 3rd yeat ,(Dep. of Department of Pharmacology) at College of Medical Technology, Ajufra University, Academic year 2019-2020. Aljufra Libya.
- 8- **Teaching Fundamental of Biochemistry course** for 2nd year student (Dep. Of Pharmaceutical Sciences), at Faculty OF Health Sciences, Sirte University, Academic year 2019-2020. Sirte Libya.
- 9- **Teaching Medical Terminology Course** for 2nd year student,(Deps. of Pharmaceutical Sciences & Medical Laboratory) at Faculty OF Health Sciences, Sirte University, Academic year 2018-2019. Sirte Libya.

SCINENTIFIC SKILLS

- 1 Conducted molecular docking and virtual screening studies using Autodock and AutoDock Vina on various diseases.
- 2 Isolation and elucidation of natural product using column chromatography and Semi-preparative-HPLC.

- 3 Good in operating chemical instrumentation and interpreting the results such as
 - 1 Gas Chromatography (GC),
 - 2 Infrared (IR) and
 - 3 Ultraviolet Visible spectroscopy (UV)
 - 4 Atomic Absorption spectroscopy (AAS) .
 - 5 Nuclear Magnetic Resonance
 - 6 Microplate reader
- 4 Good in sample preparation.(Extraction, clean up, purification)
- 5 Good in dealing with computer software, insulation, programs Microsoft Word, Excel, Photoshop and Corel Draw.
- 6 Good in using the internet network (search, download, upload).

REGISTRATION & MEMBERSHIP

- 1 Member of research group at School of Chemical Sciences University Science Malaysia (USM) (2007-2009)
- 2 Membership of American Chemical Society (ACS) 2013-2014
- 3 Current member and one of the founding Members of Journal Sirte of Medical Sciences JSMS 2021. Sirte University.

LANGUAGES KNOWN

- 1 Arabic, Mother tongue fluent
- 2 English, Very Good in (Reading, writing and Speaking)
IELTS (ACADEMIC) Overall Band Score 6.0 Date: 28/1/2011.
 5.0 Listening, 6.5 speaking, 6.0 reading and 6.0 writing.
- 3 Malay language: Good in reading and improving in speaking.

HEAD DEPARTMENT

- 1 Head Department of Anesthesia and Medical Care, at Faculty of Health Sciences, Sirte University 2017, 2018.
- 2 Head Department of Pharmaceutical Sciences, at Faculty of Health Sciences, Sirte University since 2019 Current..

IMPORTANT LINKS

- Researchgate** <https://www.researchgate.net/profile/Ashraf-Ahmed-Ali-Abdusalam>
- Google scholar** <https://scholar.google.com/citations?user=2jI7JH4AAAAJ&hl=en&authuser=2>
- Publons** <https://publons.com/dashboard/summary/>

REFERENCES

1- Prof. Dr. Nornisah Mohamed,
(Research, Postgraduates & Networking) School of Pharmaceutical Science USM
Tel : 604-6533888 Ext. 4149
Email : nornisah@usm.my

2- Prof. Dr. Hasnah Osman
Deputy dean (Academic, student & Alumni) School of Chemical Science USM
Phone: (+604)6533576
Fax: (+604)657 4854
Email: ohasnah@usm.my

Reference Letters available on request

Verifying Documentation & References Furnished upon Request

I hereby declared that the particulars given above are true and correct to the best of my knowledge and belief

Ashraf Ahmad Ali Abdusalam