

Sabah Mohamad

M . PHARMACY PHARMACEUTICAL
CHEMISTRY



Professional Summary

I have M.Pharmacy (pharmaceutical chemistry) I am working as a junior lecturer, at department of pharmaceutical chemistry, University of Khartoum. I am interested in a PhD in Medicinal Chemistry .

Core competencies

- Pharmaceutical Analysis
- Experimental Methods Development and Validation
- Organic Synthesis
- Microwave Assisted Organic Synthesis
- Pharmacology
- Bioinformatics
- CADD

Education

UNIVERSITY OF KHARTOUM

Master of Pharmacy by research
(Pharmaceutical Chemistry)
Dec 2017 - Aug 2021

-Thesis' title: Design and Synthesis of NSAIDs Derivatives a Potential Antifungal Agents
-antifungal agents were designed, synthesized, characterized, and tested positively against Candida albicans and Aspergillus niger

UNIVERSITY OF KHARTOUM

Bachelor of Pharmacy
July 2007-Dec 2012

First degree honors

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House 350, Fitihab, Omdurman,
Khartoum state, Sudan

Research Interest

Medicinal Chemistry

Investigational molecules

Pharmaceutical Analysis

Cell Targeted Drug Delivery

Organic Synthesis

Coupling Based Derivatization

CADD

References

Dr.Elrashied A. E. Garenabi
Associate Professor of Pharmaceutical Chemistry
University of Khartoum- Faculty of Pharmacy-
Department of Pharmaceutical Chemistry
Mobile Number: 00249012734209
Email: rashidobeid@uofk.edu-
rashidgarelnabi@gmail.com

Pro. Mohamed Ebied Adam
Professor of Pharmaceutical Chemistry
University of Khartoum- Faculty of Pharmacy-
Department of Pharmaceutical Chemistry
Email: mobeid@uofk.edu

Personal traits

Creative
collaborative
passionate
determinant
quick learner
out of the box thinker
problem solver
patient

Computing Skills

- Cygwin
- Python
- Command Prompt
- Linux mint

Work Experience

UNIVERSITY OF KHARTOUM

Teaching assistant
Feb 2021 -

- Specialized in organic chemistry, and computational medicinal chemistry.

SUDAN INTERNATIONAL UNIVERSITY

Teaching assistant
Nov 2014 - Oct 2020

- I have worked in Department of Pharmaceutical Chemistry laboratories and Tutorials.
- developed a permanent manual for all pharmaceutical chemistry practical.
- saved money by developing new management system for laboratories.
- launched the circle program to help students academically.

Published work:

- Fit-in ice condenser: Microwave Assisted Organic Synthesis- Domestic Approach, Khartoum journal of pharmaceutical sciences, 2020, 1(1): 35-38
- Microwave-assisted single-step synthesis of acid hydrazides from corresponding acids utilizing newly designed apparatus, JOAPR, 2022, 10(1), 29-37

Skills

APPLICATIONS

Microsoft office

Microsoft word - Microsoft excel
Microsoft powerpoint

CADD

Chemoffice - autodock vina - autodock suite - chimera - chemsketch - mcqsar
3D-QSAR - Sybyl - Pyrex - Pymol - Dock6
Schrodinger drug discovery suite -
discovery studio

Research Experience

COMPUTATIONAL STUDIES

- fungal lipoxygenase a potential antifungal targets
- miR 15 family a potential target for cardiac regeneration
- miR 21 family in cancer therapy

EXPERIMENTAL RESEARCH

- development and validation of a new spectrophotometric method for ketoconazole analysis: using Paul diazo coupling test as derivatization reaction
- domestic microwave oven in organic synthesis
- design and synthesis of NSAIDs derivatives a potential antifungal agents



Research Experience

UNDERGRADUATE RESEARCH CO-SUPERVISION

- assessment of self-medication with metronidazole in Khartoum south province, 2017.
 - valproic acid derivatives as inhibitors of Plasmodium falciparum histone deacetylase, a potential antimalarials. Insilico study, 2018.
 - calcium channel blockers as antimalarial drugs, repurposing study, 2018.
 - discovery of anti leishmania drug, using repurposing strategies, 2020.
 - dengue virus inhibitors: insilico repurposing techniques, 2021.
 - flavanoids virtual screening against enoylACP reductase as antimalarial drugs, 2021.
 - african plants as a source of new anti cancer drugs, virtual screening approach, 2021.
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