

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.