

Alharith Hassan

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PROFILE

An ambitious researcher willing to broaden my knowledge and skills in the field of pharmaceutical technology and enthusiastic to learn from and add effectively to the multidisciplinary research environment.

EDUCATION AND QUALIFICATIONS

University of Bradford - MSc Pharmaceutical Technology 2016-2017

- Route: Taught programme (1 year) with research work submitted in form of dissertation.
- Grade: Distinction (70% and above).
- Subjects include: Fundamentals of Drug Delivery, Science of Solid Dosage Forms and Advanced Pharmaceutical Technologies, X-ray Diffraction, Separation Science, Critical appraisal of a Current Topic in Pharmaceutical Sciences, Computational Pharmaceutics and Knowledge Management, Process Analytical Technologies (PAT) and Quality by Design (QbD) and Research Project.

University of Khartoum, Sudan - MPharm Pharmacy (Pharmaceutics) 2010-2013

- Route: Research- based programme.

University of Khartoum - BSc (Hons) Pharmacy 2001-2006

- Route: Taught Programme (5 years) including laboratory work in each subject.
- Degree Mark: First Class (75% and Above)
- Subjects include: Pharmaceutical Chemistry (General, Physical, Organic, Analytical and Medicinal chemistry), Pharmaceutics, Botany, Zoology, Physics, Mathematics, Physiology, Biochemistry, Pharmacognosy, Pharmacology and Microbiology.

EMPLOYMENT EXPERIENCE

Academic, Sudan

Department of Pharmaceutics, Faculty of Pharmacy, University of Khartoum:

• Lecturer assistant 8/2014- present

Responsible for delivery of certain sessions, laboratory demonstration and assisting in research.

• Teaching assistant 11/2008- 7/2014

Responsible for practicals demonstration, construction of tutorials and assisting in research.

Professional, Sudan

• Pharmaceutical Companies: Medical Sales Representative 8/2008-1/2010, 3/2011- 4/2016

- Grunental Company (Germany), Medochieme Company (Cyprus), Middle East Pharmaceutical and Company (Jordan)

- Good track record of improving sales and clearly explaining products and services combined with an understanding of business and customer needs in the medical promotion.

- Improved teamwork capabilities and I got used to help other members of a medium-sized team to achieve their goals based on my network that I built in the market.

- **Community Pharmacies:** **Community Pharmacist** **8/2006-8/2008, 4/2010-2/2011**
 -Al-Ikhlas Pharmacy, Albaz Pharmacy, Leena Pharmacy
 - Enhanced communication skills when interacting with customers at the community pharmacies.
 Upselling, resolving customer queries and issues, showing a good balance of speaking and listening, giving customers time and solving problems.

TRAINING AND COURSES

- **Humavit Pharmaceutical Factory, Sudan** **6/2018- present**
 Course: Development of new pharmaceutical analytical procedures and products.
- **University of Khartoum, Sudan** **2/2015**
 Herbal products development workshop.
- **Blue Nile Pharmaceutical Factory, Sudan** **8-12/2014**
 Course: Development of pharmaceutical formulations.
- **Amipharma Laboratories, Sudan** **8/2005**
 Course: Overview of different pharmaceutical processes and operations.
- **Al-Pharog Pharmacy, Khartoum, Sudan** **12/2002- 3/2003**
 Course: Community Pharmacy and drug dispensing.

RESEARCH EXPERIENCE

- **Project title: Stability of Co-amoxiclav and Ceftriaxone Reconstituted Injectable Solutions**
 - **Objective:** To investigate the effect and its intensity of temperature and light (indoor light) on the stability of reconstituted co-amoxiclav and ceftriaxone injectable solutions (which are widely used in Sudanese paediatric hospitals) in order to use them in the most cost-effective manner.
- **Methodology:** method was based on a systematic procedure of the full factorial design to find out the effect of both factors and the interaction between them. The statistical package of the Microsoft Excel® was used to analyse data.
 HPLC-UV was used throughout the course of the study as stability-indicating method.
- **Project title: Microfluidics Manufacture of Hydrocortisone Acetate-Loaded Nanovesicles for Ocular Application**
 - **Objectives:** To investigate the influence of different formulation and process parameters on the production of liposomes in the nano-range.
- **Methodology:** Liposomes were produced using microfluidics.
 The central composite design has been selected to predict the effect of factors on the characteristics of the produced liposomes and the encapsulation efficiency of the drug within the vesicles bilayers. The software statistical package Minitab® was employed to build up the design, analyse data and draw the response surfaces. HPLC-UV was used to determine the amount of the entrapped drug and the physical properties of the manufactured liposomes in terms of size and size distribution were measured using dynamic light scattering (DLS) method.

Gained Skills:

- Teamwork, communication and presentation skills.
- Report writing and literature review abilities improved significantly.
- Skillful in a number of analytical techniques.
- Independent worker.

ACHIEVEMENTS

PRIZES AND AWARDS

- Our work presented as a poster under the title “Microfluidics manufacture of Hydrocortisone acetate and sodium succinate-loaded nanovesicles for advanced drug delivery system” was selected as the best in the 5th International Conference on Nanotechnology in Medicine-Manchester-UK **June 26th -28th 2018**
- The ninth best oral and poster presentation in Dubai International Pharmaceutical and Technologies Conference and Exhibition (DUPHAT) - UAE-Dubai **March 15th-17th 2016**
- The Second best academic performance in all subjects in third year **2003/ 2004**
- Best academic performance in all subjects in first year **2001 / 2002**

SCHOLARSHIPS

- Stipendium Hungaricum Scholarship for Doctoral Studies- University of Szeged- Hungary **2020- 2024**
- International Academic Excellence Scholarship for MSc studies- University of Bradford- UK. **2016-2017**

PUBLICATIONS

- Stability of Co-amoxiclav Reconstituted Injectable Solution, European Journal of Pharmaceutical and Medical Research 2015, 2(3), 109-123.

WORKSHOPS AND CONFERENCES

- Poster presentation: Hydrocortisone acetate and sodium succinate liposomal preparations for ophthalmic application using microfluidics, 5th International Conference on Nanotechnology in Medicine-Manchester-UK **June 26th -28th 2018**
- Poster presentation: Preparation of sub-micron ophthalmic liposomal formulation of hydrocortisone acetate and hemisuccinate using microfluidic reactors, 2nd International workshop on Nanomaterials in Health/Medicine, University of Central Lancashire, Preston-UK **16thJanuary 2018**.
- Accepted abstract for poster presentation: Stability of ceftriaxone reconstituted injectable solutions, 76th FIP World Congress of Pharmacy and Pharmaceutical Sciences, Buenos Aires, Argentina **28 August to 1 September 2016**
- Poster and oral presentation: Stability of Co-amoxiclav Reconstituted Injectable Solutions), Dubai International Pharmaceutical and Technologies Conference and Exhibition (DUPHAT) - UAE-Dubai **March 15th-17th 2016**
- Poster presentation: Stability of Ceftriaxone reconstituted injectable solution, The 18th Congress of the Scientific Association of the Pharmacy Colleges in the Arab World, Khartoum- Sudan **November 18th -20th 2015**
- Oral presentation: Stability of reconstituted Co-amoxiclav and Ceftriaxone reconstituted injectable solutions), University of Khartoum 6th annual conference, medical and health sciences studies, Khartoum- Sudan **February 18th-22nd 2015**