

Dr. Huda Hasan Zughaid

EDUCATION

King's College London (KCL), University of London

PhD in Pharmaceutical Sciences (Drug Delivery)

2011

Thesis: "Effects of simulated intestinal fluids on the solubility and permeability of drugs"

King's College London (KCL), University of London

MSc in Pharmaceutical Technology

2000

Thesis: "Formulation factors affecting sulphathiazole suspension"

Honors: Pass with Distinction

Faculty of Pharmacy, University of Benghazi

BSc in Pharmaceutical Sciences

1997

Graduation Dissertation: "Electrosynthesis of pharmaceutical compounds"

AWARDS

- Prize for the best poster presentation at **the British Pharmaceutical Conference (BPC)**, Manchester, UK **2009**
- Prize for the best poster presentation at the **Postgraduate Research Symposium**, KCL, London, UK **2008**

TEACHING EXPERIENCE

Faculty of Pharmacy, University of Benghazi

Lecturer – Department of Pharmaceutics

2011 – Present

Assistant lecturer– Department of Pharmaceutics

2001 – 2006

- Teaching some courses in Pharmaceutics, Physical Pharmacy, Dosage Forms and Biopharmaceutics for first, second and third year students.

- Topics include: Pharmaceutical Calculations, Suspensions, Emulsions, Micromeritics, Colloids, Complexation, Topical Preparations and Absorption.
- Responsible for Laboratory Demonstrations for Pharmaceutics, Physical Pharmacy and Quality Control Experiments.
- Supervision of fourth year students' graduation projects.
- Some projects were accepted in a number of scientific meetings.
- Participation in the faculty's Annual Scientific Day.
- Others: participation in the faculty's supervision and control for students' final exams.

PAPERS, PUBLICATIONS AND CONFERENCES ATTENDED

Papers

- “Bile salt composition is secondary to bile salt concentration in determining hydrocortisone and progesterone solubility in intestinal mimetic fluids”
Huda Zughaid, Ben Forbes, Gary P. Martin, Nilesh, International Journal of Pharmaceutics, 2012, **422** (1–2), 295–301
- “Effect of lipids on the solubility of drugs in simulated intestinal fluids” (Manuscript in preparation).

Conference publications

- “Antibiotic Policy”
Authors: Masoud F. Elhemry, Mohamad A. Alwadi, Mohammed F. Alomami, Ahmed I. Tuareg and Huda H. Zughaid
Venue: The Rasheed Kaebar Scientific Day For Libyan Pharmacy Graduates
Format: Poster
Date: 16.04.2014
Poster number: P34
- “Effect of simulated intestinal fluid on steroid solubility and permeability across Caco-2 cell monolayers”
Authors: Huda Zughaid, Ben Forbes, Gary Martin and Nilesh Patel
Venue: AAPS Annual Meeting and Exposition (Los Angeles, CA, USA)

Format: Poster

Date: 08 – 12.11.2009

Poster number: W5147

- “Solubilisation of steroid drugs by simulated intestinal fluids containing lipids”

Authors: Huda Zughaid, Ben Forbes, Gary Martin and Nilesh Patel

Venue: British Pharmaceutical Conference (Manchester, UK)

Format: Poster

Date: 07 – 09.09.2009

Published in: Journal of Pharmacy and Pharmacology, **61**, A116 – A117 (2009)

Poster and Abstract number: 158

- “Effect of cholesterol and lipid digestion products on the solubility of two poorly water-soluble drugs”

Authors: Huda Zughaid, Ben Forbes, Gary Martin and Nilesh Patel

Venue: 2nd PharmSciFair. Premier European Platform for Advancing Pharmaceutical Sciences (Nice, France)

Format: Poster

Date: 08 – 12.06.2009

Poster and Abstract number: P-272

- “The influence of intestinal fluid composition on drug solubility” Authors: Huda Zughaid, Ben Forbes, Gary Martin and Nilesh Patel

Venue: 7th International Conferences and Workshop on Biological Barriers and Nanomedicine (Saarbruecken, Germany)

Format: Poster

Date: 20 – 29.02.2008

Poster and Abstract number: 127

- “Effect of stearic acid on the release rate of aspirin tablets”

Authors: Amaal Elmoghaby, Wafa Elarebi and Huda Zughaid

Venue: 10th Iranian Pharmaceutical Sciences Conference (Tehran, Iran)

Format: Poster

Date: 21 – 24.08.2006

Poster number: P-543

- “Formulation factors affecting sulphathiazole suspensions”
Authors: Huda Zughaid and Vernon Dawes
Venue: 5th Pharmaceutical Conference, (Benghazi – Libya)
Format: Oral presentation
Date: 22 – 24.04.2005
- “Doctors’ pharmacists’ and assistant pharmacists’ attitudes to the use of sugar-free and sugar-containing medicines in the elderly in Benghazi”
Authors: Eman Yaghi, Wafa Elbarrassi and Huda Zughaid
Venue: 5th Pharmaceutical Conference, (Benghazi – Libya)
Format: Poster
Date: 22 – 24.04.2005
- “Effect of different starch types on the compression characteristics of aspirin tablets”
Authors: Amna Elsherif, Fatma Elrtaill and Huda Zughaid
Venue: 5th Pharmaceutical Conference, (Benghazi – Libya)
Format: Poster
Date: 22 – 24.04.2005
- “The quality of public and private pharmacy practice in Benghazi”
Authors: Hoda Abd Elrazeq, Eman Elarbi, Huda Zughaid and Salma Bukhatwa
Venue: 4th Pharmaceutical Conference, (Tripoli – Libya)
Format: Poster
Date: 18 – 20.04.2003

Attended Conferences

Venue: Training meeting on particle size analysis (London, UK)
Date: 11.03.09

Venue: The current state of dissolution testing (London, UK)
Date: 02.12.2008

Venue: APS Biopharmaceutics & Drug Delivery (London, UK)
Date: 11 – 12.12.2007

SKILLS

Scientific

2006 – present

- *HPLC:*

Optimisation and validation of methods for drugs according to ICH guidelines and analysis of drugs accordingly.

- *Cell culture techniques:*

High experience in general cell culture lab Standard Operating Procedures, contamination management and standard cell culture lab environment. This involved working with different cell lines such as (Caco-2 (intensive) and Calu-3 (minor)). The experience gained in many aspects starting from the handling the cells and general and special tests applied to professional measurements of permeability of drugs across these cells.

- *Working with radiolabelled materials:*

Management, handling, disposal, storage and the use of Scintillation counter for measuring radioactivity.

Computer skills

To date

- Microsoft Office (Recent Version): Usage at a professional level.
- Reference Manager and Endnote (professional level)
- SPSS software for statistical analysis

COURSES

2006 - 2011

1. Networking for career building
2. Safety use of Radioactive materials in the laboratory
3. Further Word: Tables, graphics and columns
4. Intermediate PowerPoint
5. Introduction to Reference Manager
6. Introduction to statistics using SPSS (12 hours intensive course)
7. Statistics from scratch (21 hours intensive course)
8. Further Word: Organising longer documents
9. Long documents in Word: Styles and templates

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10. Word: Indexing and cross-referencing
 11. Poster training session
 12. Invigilation training session
 13. Managing the middle period of the PhD program
 14. Giving a poster presentation
 15. Writing up your thesis
 16. Poster presentation Master class
 17. Fundamentals of time management for research students
 18. Introduction to microscopy: TEM introduction, Florescence/confocal EM, advanced SEM (florescence/confocal), immunocytochemistry at EM level, advanced specimen preparation/tomography, single analysis/element analysis (6 hours course)
 19. Microsoft Word 2003 long document for thesis
 20. Preparing for the PhD viva
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LANGUAGES

- Arabic – Native language
- English – Speak fluently and read/write with high proficiency
- Turkish – Speak, read and write (Advanced level)

POSITIONS

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| • Head of Pharmaceutics Department | 07.2013 – 12.2013 |
| • Head of Study and Exam Department | 02.2013 – 04.2013 |
| • Representative of the Faculty of Pharmacy at University of Benghazi in the Center for Research and Consulting | 03.2012 – 07.2012 |
| • Faculty of Pharmacy Journal Club Coordinator | 03.2012 – 07.2012 |
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