

OMAR SUBHI ABU ABED

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A highly talented PhD researcher in biopharmaceutics and bioanalysis, with research interest in protein formulations in liquid and polymeric nanocapsules, based on quality by design by applying mathematical design of experiment.

EDUCATION:

October 2013- November 2016

University of Sunderland.

PhD: Biopharmaceutics (Macromolecules formulations)

October 2004 –January 2009

Jordan University of Science and Technology.

BSc. Pharmacy.

EXPERIENCE:

October 2014- current

University of Sunderland, UK

Academic Tutor

- Prepare and deliver lectures in chromatography, statistics, and pharmaceutical and biomedical calculation.
- Deliver analysis and measurement practical lab for biomedical student.
- Deliver pharmaceutics, advance drug delivery systems, and biopharmaceutics practical lab.
- Deliver chemistry practical labs.
- Prepare and Deliver lectures and workshops in physiological science, measurement, and analytical science.
- Statistical analysis for final year project biomedical students for two consecutive years.

October 2010- August 2013

ABBOTT Labs, Gulf Levant

Medical Representative

June 2009-October 2010
Medical Representative:

HIKMA PHARMACEUTICAL, Jordan

February 2009-June 2009
Pharmacist.

Retail pharmacy, Jordan

Professionals Training:

Training in retail pharmacy, Training to teach community about AIDS.

Selling skills and advance selling skills, communication skills, Pharmacovigilance
Business ethics and compliance courses, Medical papers analysis and statistics.

Academic Training:

Lab Health and safety, Instrumental analysis training, HPLC training course, preparing to
teach, Survival in research, Using technology in research, and Professional academic
writing.

Awards:

Thermal Methods Group student bursary for the year 2015 for a research on proteins and
micro-calorimetry (Evaluating the effect of pH, buffer conditions, and excipients on
conformational stability of trypsin) presented at the 50th Anniversary Conference of the
RSC Thermal Methods Group, 30th March – 1st April 2015, Churchill College
Cambridge, UK.

Membership:

- Jordan Pharmacy Association.
- Royal society of chemistry.
- Royal society of statistics.

- American Society for Gene and Cell Therapy.
- United Kingdom and Ireland Controlled release society.

Conferences:

- Abu Abed, O. S., Chaw, Cheng, Carlile, Mark, Williams, Lee and Elkordy, Amal (2015) *enhancement of lysozyme release from polymeric nanocapsules by using polyethylene glycol without affecting the encapsulation efficiency*. In: 7th APS International PharmSci 2016, Innovation in Pharmaceutical Sciences, 5 - 7 Sept 2016, University of Strathclyde, Glasgow, UK.
- Abu Abed, O. S., Chaw, Cheng, Carlile, Mark, Williams, Lee and Elkordy, Amal (2016) *Development and characterization of polymeric nanocapsules containing macromolecules*. In: ASGCT 19th Annual Meeting, 4- 7 May 2016, Washington DC.
- Abu Abed, O. S., Chaw, Cheng, Carlile, Mark, Williams, Lee and Elkordy, Amal (2015) *Effects of copolymer type and excipient on the size and encapsulation efficiency of lysozyme containing nanocapsules*. In: 6th APS International PharmSci 2015, Innovation in Pharmaceutical Sciences, 7 - 9 Sept 2015, East Midlands Conference Centre, Nottingham, UK.
- Abu Abed, O, Chaw, Cheng, Carlile, Mark and Elkordy Amal (2015) *Evaluating the effect of pH, buffer conditions, and excipients on conformational stability of trypsin*. In: 50th Anniversary Conference of the RSC Thermal Methods Group, 30 Mar - 1 Apr 2015, Churchill College, Cambridge, UK.

Publication:

- Abu Abed, Omar S., Elkordy, Amal, Chaw, Cheng Shu, Williams, Lee and Carlile, Mark (2016) *Development and Characterisation of Polymeric Nanocapsules Containing Macromolecule*. Molecular Therapy, 24 (Supp 1). S237-S238. ISSN 1525-0016.
- Abu Abed, Omar S., Chaw, Cheng Shu, Williams, Lee, Carlile Mark, and Elkordy, Amal A, *Development of a strategic approach for preparation of oral polymeric nanocapsules containing biomolecules*. (Submitted).
- Abu Abed, Omar S, Chaw, Cheng Shu, Williams, Lee, Carlile Mark and Elkordy,

- Amal A, Development and validation of stability indicating and quality control assay methods for liquid formulations containing trypsin. (Submitted).
- Abu Abed, Omar S., Chaw, Cheng Shu, Carlile Mark, Elkordy, Amal A (2016) *Quality by Design (QbD)-based preparation of liquid lysozyme and trypsin formulations.* (Submitted).