

## Faculty Vitae

### 1. Name: Dr. Eman Zmaily Dahmash

### 2. Education:

- PhD in Pharmaceutical Sciences, Industrial Pharmacy and Drug Delivery- Aston University- UK
- MSc in Pharmaceutical Sciences Aston University- UK
- BSc in Pharmacy- Jordan University - Jordan

### 3. Academic experience

- Assistant Professor –Isra University October 2017-till now.

### 4. Non-academic experience

- 1987-1988: Research and development Al-Hikma Pharmaceutical (Jordan)
- 1992-1994: Senior Pharmacist- King Fahd Military Hospital (KSA)
- 1994-2003: Director of Pharmacy –Abdulatif jameel Rehabilitation Hospital and Specialty Clinics.
- 2004- 2006: Senior Pharmacist- United nations for Relief and Work of Palestinian Refugees (Jordan)
- 2006-2009: Pharmacy Supervisor- International Medical Center (KSA)
- 2009-2011: Director of Surveys and Standards Development- Healthcare Accreditation Council (Jordan)
- 2011-2016: PhD Researcher Aston University –UK
- 2016-2017: Founder and Chief Scientific Officer –Aston Particle Technologies UK.

### 5. Certifications or professional registrations

- Postgraduate certificate in Higher Education Teaching- FHEA- UK
- Introduction to teaching in Higher Education – UK
- HCAC certified surveyor – Hospitals -Jordan
- HCAC certified surveyor – Primary healthcare centers- Jordan
- HCAC certified surveyor – Breast Imaging Units -Jordan
- Lead Assessor in King Abdullah Excellence Award- Jordan
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- Assessor for all Excellence Awards – UAE.

### 6. Current membership in professional organizations

- Member in Pharmaceutical syndicate

## 7. Honors and awards

- Awarded the ICURe project: of £500,000 from Innovate UK that was used to open the spin out company Aston particle Technologies Ltd. In 2016.

## 8. Service activities (within and outside of the institution)

- Committee member in Jordan FDA- Cosmetics and Cosmeceuticals
- Member in Jordan Chamber of Industry (Academic Representative)
- Editor in Jordan Pharmaceutical Sciences Journal
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## 9. Most important publications and presentations from the past five years

**Dahmash, E. Z. et al**, (2018) Quality by Design (QbD) based process optimisation to develop functionalised particles with modified release properties using novel dry particle coating technique. PLOS ONE. 13 (11): e0206651.

Jasdip S. Koner, Eman Z. Dahmash, David A. Wyatt, Afzal Mohammed (2018). Dry particle coating-a unique solution for pharmaceutical formulation. *Pharmaceutical Technology*, 42, (3) 26–30

Alyami H, **Dahmash E**, Bowen J, Mohammed AR (2017) An investigation into the effects of excipient particle size, blending techniques and processing parameters on the homogeneity and content uniformity of a blend containing low-dose model drug. PLOS ONE 12(6): e0178772. <https://doi.org/10.1371/journal.pone.0178772>

Hamad Alyami, **Eman Dahmash**, Fahad Alyami, Dania Dahmash, David Terry, Afzal R Mohammed (2016) Dosage form preference consultation study in children and young adults: paving the way for patient centred and patient informed dosage form development. *Eur J Hosp Pharm* Published Online First: 02 September 2016.doi: 10.1136/ejhpharm-2016-001023

Alyami, H., Koner, J., **Dahmash, E. Z.**, Bowen, J., Terry, D. and Mohammed, A. R. (2016), Microparticle surface layering through dry coating: impact of moisture content and process parameters on the properties of orally disintegrating tablets. *J. Pharm Pharmacol*. doi:10.1111/jphp.12623

**Dahmash, E. Z.**, & Mohammed, A. R. (2015). Functionalised particles using dry powder coating in pharmaceutical drug delivery: promises and challenges. *Expert opinion on drug delivery*, 1-13.

**Dahmash, E. Z.**, & Mohammed, A. R. (2015). Characterisation and surface-profiling techniques for composite particles produced by dry powder coating in pharmaceutical drug delivery. *Drug Discovery*

Al-Khattawi, A., Iyire, A., Dennison, T., **Dahmash, E.**, J Bailey, C., Smith, J. Rue, P. & R Mohammed, A. (2014). Systematic screening of compressed ODT excipients: cellulosic versus non-cellulosic. *Current drug delivery*, 11(4), 486-500.

**Dahmash, E. Z.** Mohammed, A.R. & Thompson, K. (2018), Designing fixed dose combination for elderly and paediatric population in Fixed dose combinations for solid oral drug delivery Wiley: UK. In press

**Dahmash, E. Z.**, Mohammed. AR, Drew T, Ahmed, J., (2016) Dry coating apparatus and method. UK. Patent Application No. WO2016066462A1

#### **10. Briefly list the most recent professional development activities**

- Received 34 hours continues education at Isra University