Dr. Jehad Nasereddin

Pharmaceutical technologist with expertise in the thermal processing of pharmaceutical polymeric materials. My research interests also include developing inline and online quality monitoring chemometric methods for continuous pharmaceutical manufacturing processes.

As an early-career academic, I am keen on joining a reputable Jordanian university, in which I can implement modern teaching and research skills which I have acquired over my postgraduate education. I find myself to be a fairly capable educator in the field of pharmaceutics, particularly physical pharmacy.

CONTACT

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REFERENCES:

1) **Dr. Andrew Round**
   University of East Anglia
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2) **Prof. Anant Paradkar**
   University of Bradford
   a.paradkar1@bradford.ac.uk
3) **Dr. Sheng Qi**
   University of East Anglia
   s.qi@uea.ac.uk
4) **Prof. Peter Belton**
   University of East Anglia
   peter.belton@uea.ac.uk

RELEVANT EXPERIENCE

Lecturing Assistant
University of East Anglia, Norwich, UK
2017–2019
Industrial Pharmacy and Pharmaceutics module - 2nd Year Pharmacy Undergraduate students, responsibilities were:

- Running tutorial sessions and lectures
- Supervising Laboratory sessions

Peer Reviewer / Abstract Screener
American Association of Pharmaceutical Scientists
2018
Reviewing poster abstracts submitted to the American Association of Pharmaceutical Scientists for their PharmSci 360 conference

EDUCATION

University of Petra
2015
Bachelors of Science in Pharmacy
University of Bradford
2016
Masters of Science in Pharmaceutical Technology, awarded with Distinction

University of East Anglia
2020
PhD Pharmaceutical Materials and Soft Matter
Thesis title: An investigation into the feasibility of Fused Deposition Modelling for 3D printing oral pharmaceuticals
Thesis Advisor: Dr. Sheng Qi

RESEARCH

Journal Articles:

1) Nasereddin, J., et al. (2018). Development of a Simple Mechanical Screening Method for Predicting the Feedability of a Pharmaceutical FDM 3D Printing Filament. Pharmaceutical Research, 35(8).
2) Alhijjaj, M, and Nasereddin, J et al,. Impact of Processing Parameters on the Quality of Pharmaceutical Solid Dosage Forms Produced by Fused Deposition Modeling (FDM). Pharmaceutics 2019, 11, 633.

Book Contributions:

- Qi, S., Nasereddin, J. and Alqahtani, F. (2019). Personalized Polypills Produced by Fused Deposition Modeling 3D Printing. In: M. Maniruzzaman, ed., 3D and 4D Printing in Biomedical Applications: Process Engineering and Additive Manufacturing, 1st ed. Wiley–VCH Verlag GmbH & Co. KGaA, pp.273-295.

SKILLS AND EXPERTISE

- Design and formulation of amorphous solid dispersions by various manufacturing techniques.
- Materials characterization (Differential Scanning Calorimetry, Fourier Transform Infrared Spectroscopy, Powder X-Ray Diffraction, Scanning Electron Microscopy, Hot-Stage Microscopy, Thermal Analysis by Structural Characterization).
- Advanced statistical methods (Chemometrics, Quality by Design, Principal Component Analysis).