

# Hanen Arrefay

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## Education

**MSc Pharmacology and biotechnology** at Sheffield Hallam University, UK (2014-2015) graduated with merit.

English language courses at A2Z English Language school in Manchester, UK (2012-2013) finishing at CAE (Cambridge advanced English) level. IELTS overall score of 8.0 on 18/05/2013.

**BSc Pharmacy** at Tripoli University (formerly known as Al-Fateh University), Libya (2002-2007) graduated with general average grade of 81.74% (very good).

## Professional experience

### Research

(2015) MSc research project "Synthesis and characterisation of phosphonium-functionalized metal nanoparticles".

(2007) BSc graduation project "Exploring the opportunities for pharmacists to care for Hepatitis C infected patients".

### Teaching and administration

**(April 2016)** I have been working as an assistant lecturer in the industrial pharmacy department at the faculty of pharmacy, Tripoli University since April 2016.

**(2008-2012)** I have worked as a teacher assistant (demonstrator) in the industrial pharmacy department at the faculty of pharmacy, Tripoli University from September 2008 to September 2012.

**(2008)** I have worked as a cooperative demonstrator in the department of pharmaceuticals at the faculty of pharmacy, Tripoli University from January to April 2008.

## Skills

### Technical skills

- Organic synthesis.
- TLC.
- The use of rotatory evaporator.
- UV-visible spectroscopy including scanning.
- ES Mass Spectroscopy.
- IR spectroscopy.
- $^1\text{H}$ ,  $^{13}\text{C}$ , and  $^{31}\text{P}$  NMR spectroscopy interpretation.
- Melting point detection.
- High speed centrifugation.
- Cell culture techniques, MTT and crystal violet proliferation assays.
- DNA manipulation and analysis.
- PCR, and Real-time PCR.
- Gel electrophoresis.
- SDS-PAGE and Western blotting.
- ELISA.
- Saturation and competition binding assays.

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- Hardness, friability, and Disintegration testing of solid dosage forms.

### **Achievements and awards**

- Faculty of pharmacy honoured me for being ranked the eighth on my class at graduation.
- The faculty honoured me for performing my BSc graduation project which has been ranked the fourth best project on my class.

### **Training**

- Organic and analytical chemistry training courses (2015).
- High speed centrifugation training course (2015)
- Attended clinical pharmacy workshop days organised by the Libyan society for pharmaceutical sciences, Libyan board for medical specialisations and the faculty of pharmacy at Tripoli University (2007).