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### Personal Information

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### Education

- Ph.D. in Advanced Drug Delivery, School of Pharmaceutical Sciences, University of Nottingham, Nottingham, UK, 2005 with outstanding performance in the viva voce.  
**Thesis title:** Approaches to Incorporate a Nuclear Targeting Signal into Non-Viral Gene Delivery Systems
- B.Sc. Degree in Pharmacy, Faculty of Pharmacy, University of Tripoli, Tripoli-Libya, 1989.
- Diploma in teaching in general sciences & mathematics, Elzawia Teaching Institution, 1980.

### Research Interest

Research interests are in formulation design and delivery systems for bio-compounds as peptides, proteins and nucleic acids as well as for conventional drugs. Particular interests are in targeted drug delivery for site specific delivery, using polymers and copolymers based nanoparticles, liposomes and targeting ligands.

### Professional Experience

- Assistant Professor at the department of industrial pharmacy, Faculty of Pharmacy, University of Tripoli, Tripoli-Libya 2015-2022.
- Lecturer at the department of industrial pharmacy, faculty of pharmacy, university of Tripoli, Tripoli-Libya 2005-2015
- Researcher at research and development department (R & D), Almaya Drug Factory, 2007.
- Demonstrator at university of Nottingham, UK, 2003/2004, 2004/2005
- Demonstrator at the Department of Industrial Pharmacy, Faculty of Pharmacy, University of Tripoli, Tripoli-Libya, 1994-2000.
- Dispensing Pharmacist at Zahra Kidney Transplantation center, 1990-1991.
- Chief Pharmacist at Zahra Kidney Transplantation Center, 1992-1993.
- Teacher of general sciences & mathematics at primary school, 1981-1984.

## **Skills, Courses**

Laboratory skills accepted during my Ph.D.

- Preparation of pDNA-polymers nanoparticles (homopolymers & PEGylated polymers & pDNA-cationic liposomes (Lipofectamine) nanoconstructs.
- Physicochemical characterization of nanostructures using gel electrophoresis, photon correlation spectroscopy PCS, fluorometry, transmission electron microscopy TEM, microcalorimetry, zeta-potential
- Delivery studies included transfection (cell culture), digitonin permeabilized cell system, confocal laser scanning microscopy CLSM, fluorescent microscopy, and delivery using growth arrested cells.
- DNA labeling (based intercalation & nick-transition).
- Incorporation of targeting ligand to the formulation (one of the ways used was based on covalent conjugation of the targeting ligand to PEGylated copolymer).

## **Conferences, Workshops, Courses**

- PHARMA CONGRESS production & Technology-2014 Dusseldorf, Germany, 2014.
- DUPHAT-2007, 2012, 2013, Dubai-UAE.
- ECA-The 8<sup>th</sup> Bioproduction Forum, Munich-Germany, 2012
- ECA-The new GMP Annex 2/Bioproduction Forum, Copenhagen-Denmark, 2013.
- Quality and Accreditation for Health Professions, 2010

## **Consultations**

- Inspection of pharmaceutical factories for compliance to GMP
- Medical supply organization administration committee, 1998-1999

## **Memberships**

- European Compliance Academy ECA for GMP
- Saudi Pharmaceutical Society sps

## **Publications**

- Almarzouki A, Omar K, Alsaadi M. Comparative Evaluation of Different Brands of Enteric-Coated Diclofenac Sodium Tablets. *International Journal of Sciences and Research IJPSR*. Vol. 6 (9) September, 2015.
- Siaan M, Altketik K, Anwair M, Almarzouki A. Evaluation of the Pharmaceutical Quality of some Furosemide Tablet brands. *International Journal of Pharmaceutical and Chemical Sciences IJPCS*. Vol. 4 (2) Apr-Jun 2015.
- Elmajri M, Bzezi W, Almarzouki A. Pre-formulation Studies of Tenoxicam with some Surface Active Agents and Co-solvents as a Matrix for Softgels. *Libyan Journal of Medical Research*. Vol. 7 (2), 2010.
- Almarzouki A, Stolnik S, Garnett M. Nuclear Targeting of Mixed Polymer Gene Delivery System by Attaching Nuclear Localization Signal NLS Peptide Covalently to Polyamidoamine Copolymer NG54. Abstract for oral & poster presentation at DUPAT-2003, Dubai-UAE, 2013.

- Almarzouki A, Stolnik S, Garnett M. Construction of Non-Viral Gene Delivery System with Increased Nuclear-Targeting Capability. Abstract for poster presentation at the university research day, University of Nottingham, UK, 2003.
- Abstract for oral presentation at the 11<sup>th</sup> Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World, Tripoli-Libya, 2007.
- Abstract for oral & poster presentation at ECA 8<sup>th</sup> Bioproduction Forum, Munch-Germany, 2012
- Abstract for oral & poster presentation at DUPHAT-2012, Dubai-UAE, 2012.
- Almarzouki A, Natah N, Bader F. Influence of particle Size and Additives on Capsules Fill Weight, Porosity and Disintegration Time. Abstract for poster presentation at The 6<sup>th</sup> National Medical Sciences Conference, Elzawia-Libya, 2009.