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Randa Shehdeh Mansour.

Personal Information	<p>Date of birth: Oct., 7th, 1975</p> <p>Nationality: Jordanian.</p> <p>Marital status: Married.</p> <p>Languages: Arabic (native language) English.</p> <p>Working address: Philadelphia University, Jerash, Jordan</p>
Academic Qualification	<p>[Sep.,2011- Jan.,2016] PhD degree in Pharmaceutical sciences [University of Jordan, Faculty of Pharmacy, Amman, Jordan]</p> <p>[PhD thesis title: Quantification and mechanism elucidation of Emu oil as a penetration enhancer in transdermal drug delivery systems].</p> <p>[Supervisors: Professor Enam Khalil, University of Jordan. Professor Imad Hamdan, University of Jordan. Professor “Assayed Al Arabi ” Sallam Al Taqaddom Pharmaceutical Inc., Mowaqar, Jordan]</p> <p>[2009] M.Sc. degree in Pharmaceutical sciences [University of Jordan, Amman, Jordan]</p> <p>[GPA 4/4, Rating excellent with degree of honor]</p> <p>[M.Sc. thesis title: Evaluation of effect of surfactant type and content on the physical and controlled release properties of carbamazepine loaded wax microparticles prepared by melt emulsification technique].</p> <p>[Supervisors: Associate Professor Hatim Alkhateeb, Professor Yaser Bostanji].</p> <p>[1998] B.Sc. degree in pharmacy [University of Jordan, Amman, Jordan]</p> <p>[GPA 3.8/4] [Rating excellent, third among the class].</p>

[1993] High Secondary School Certificate [Scientific Stream with **94.9 %**].

Research experience

Mastering **skin sample preparation** techniques for in-ex-vivo permeation studies, IR spectroscopy and IR microscopy.

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Mastering **pharmaceutical formulation sample preparation** techniques for IR microscopy.

Mastering IR microspectroscopy **measurement/mapping** of biological samples using transmission, absorption and ATR modes.

Experience in method development and validation for **HPLC** quantitative bioanalysis of drugs in diffusion studies, including solving problems associated with **skin matrix interference**.

Experience in dealing with vertical diffusion cells and conducting **permeation studies**, including those intended for **bioequivalence (IVPT) studies**.

Mastering conventional dissolution experiments in addition to **dissolution by dialysis** technique.

Experience in **multivariate statistical analysis** of IR spectral data.

Experience in **Omnic and Opus software** for IR data collection and treatment. In addition, experience in **Unscrambler** chemometrics software for analysis of IR spectral data.

Mastering particle size analysis by laser light scattering method including conduction of experiments and interpretation of data.

Publications

Randa S.H. Mansour, Alsayed A. Sallam, Motaaz A. Salem, Enam A. Khalil, Imad I. Hamdan (2021). **HPLC method development/validation and skin diffusion study of caffeine, methyl paraben and butyl paraben as skin –diffusing model drugs**. Accepted Manuscript. Plos one.

Diab, M., Sallam, A.-S., Hamdan, I., Mansour, R., cEmail Author, Hussain, R., Siligardi, G., Qinna, N., Khalil, E. (2021). **Characterization of insulin mucoadhesive buccal films: Spectroscopic analysis and in vivo evaluation**. Symmetry, 13(1): 1-17.

Qutaiba Ahmad Al Khames Aga, Mansour haddad, Yazan A. Bataineh, Abdel Naser Dakkah, Abeer Jabra Shnoudeh, Randa SH Mansour (2020). **Evaluation of pharmacy student and community pharmacist knowledge and impact on disease state management of patients with asthma**. Systematic reviews in pharmacy, 11(8): 472-480.

Lina Dahabiyeh, Randa S.H. Mansour, Shawqi S. Saleh, Gihan Kamel (2020). **Investigating the molecular structure of placenta and plasma in pre-eclampsia by infrared microspectroscopy**. Journal of Pharmaceutical and Biomedical Analysis, 184.

Ruba T. Tarawneh, Randa SH. Mansour, Dina El-Sabawi, Imad I Hamdan .**Preparation and Physicochemical Characterization of Atorvastatin Choline Salt and its Potential for Transdermal Permeation** (2020). Jordan Journal of Pharmaceutical Sciences, 13(1).

Othman A Al Hanbali, Rania Hamed, Mosab Arafat, Youssef Bakkour, Hisham Al-Matubsi, Randa Mansour,

Yazan Al-Bataineh, Mohammad Aldhoun, Muhammad Sarfraz and Abdel Khaleq Yousef Dardas (2018). **Formulation and evaluation of diclofenac controlled release matrix tablets made of HPMC and Poloxamer 188 polymer: An assessment on mechanism of drug release.** Pak. J. Pharm. Sci., 31(1):345-351

Role of Amorphous State in Drug Delivery in Dosage form design Parameters (2018). Randa S.H. Mansour, Pran Kishore Deb and Rakesh Kumar Tekade. Elsevier. (book chapter).

Randa S.H. Mansour, Alsayed A. Sallam, Imad I. Hamdan, Enam A. Khalil, Ibraheem Yousef (2017). **Elucidation of penetration enhancement mechanism of Emu oil using FTIR microspectroscopy at EMIRA laboratory of SESAME synchrotron.** Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 185: 1–10

Podium Presentation

17th SESAME User's Meeting, November, 2019, Amman, Jordan. Title: Investigation of the interaction of novel losartan salts with human stratum corneum. **Mansour R.**, Hamdan I., Khalil E.

The first international conference of the faculty of pharmacy, Mota University. MODERN TECHNIQUES IN PHARMACEUTICAL SCIENCES, 2018, Application of IR microspectroscopy as an emerging technique for investigating penetration enhancement mechanism through human skin.

TAIEX workshop on GEANT, H2020 and European synchrotron sources, 2017, Elucidation of penetration enhancement mechanism of Emu oil using FTIR microspectroscopy at EMIRA laboratory of SESAME synchrotron. Randa S.H. Mansour, Alsayed A. Sallam, Imad I. Hamdan, Enam A. Khalil, Ibraheem Yousef

Biophysical Society 60th Annual Meeting, February 2016, USA. Title: Application of FT-IR microspectroscopy in the investigation of the stratum corneum barrier function. Khalil E., **Mansour R.**, Sallam A., Hamdan I., Yousef I.

12th SESAME User's Meeting, November, 2014, Amman, Jordan. Title: Elucidation of penetration enhancement mechanism of an oil of natural origin. Mansour R., Sallam A., Hamdan I., Khalil E., Yousef I.

Graduate studies research conference, 2009, University of Jordan, Amman, Jordan. Title: Evaluation of effect of surfactant type and content on the physical and controlled release properties of carbamazepine loaded wax microparticles prepared by melt emulsification technique. Mansour R., Alkhateeb H., Bostanji

Fellowships

CERIC-ERIC foundation, **Travel and accommodation to Elettra synchrotron facility**, Trieste, Italy, November, 2019.

Lounsby Foundation, **Travel and accommodation to Max Lab synchrotron facility**, Lund, Sweden, August, 2014.

Teaching experience [Jan., 2016 – the present time] **Assistant professor**
[Philadelphia University, Faculty of Pharmacy, Jerash, Jordan].

[Feb., 2011 – Oct., 2015] **Lecturer** [Philadelphia University, Faculty of Pharmacy, Jerash, Jordan].

[Oct., 1998 - Feb., 2011] **Laboratory Instructor**
[Philadelphia University, Faculty of Pharmacy, Jerash, Jordan].

Taught theoretical courses: Physical Pharmacy, Pharmaceutics, Pharmaceutical technology, Pharmaceutical marketing, Biopharmaceutics and pharmacokinetics, Pharmaceutical microbiology and Pharmaceutical legislations for undergraduate pharmacy students.

Taught practical courses: Pharmaceutics, Industrial pharmacy, Physical pharmacy, Pharmaceutical microbiology, Clinical biochemistry, Organic chemistry and Therapeutics laboratories for undergraduate pharmacy students.

Management Experience [Aug, 2021-.....] **Vice Dean**, Faculty of Pharmacy, Philadelphia University

[Sep., 2016 – Aug, 2021] Assistant Dean, Faculty of
Pharmacy, Philadelphia University.