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Abeer Jabra Shnoudeh

Research Interests

My current and future research interests involve cell signalling, biochemical studies for green nanoparticles, drug design and development, cellular biophysics.

Education

[2001-2005] **King's College London , U.K**

PhD in Pharmacy

(Thesis Title: Biochemical and Biophysical Investigations of Novel Phosphodiesterase Type 5 Inhibitors).

· The Ph.D. project sponsored in part by The Jordanian Pharmaceutical Manufacturing Co. Ltd. (JPM)

[1995-2000] **Al-Ahliyya Amman University Amman, Jordan**

B.Sc in Pharmacy, Very Good

June 1995 Sisters of Nazareth School, Amman-Jordan.

Secondary Education (Tawjihi), Scientific Stream, 6 modules (Arabic, English, Math, Physics, Chemistry and Biology), total grade 82.6%.

Professional experience

[2016- 2018] Faculty of Pharmacy Dean Assistant for Student Affairs, Philadelphia University, Amman, Jordan

Details of Position: Administrative work, students counselling and following up quality assurance in addition to lecturing Clinical Biochemistry.

[2007-current] Philadelphia University, Amman, Jordan

Assistant Professor/Faculty of Pharmacy

Details of Position: Lecturing different topics including

- Clinical Chemistry
- Clinical Chemistry Practical
- Toxicology
- Pharmaceutical Biochemistry
- Pharmaceutical Biochemistry I
- Pharmaceutical Biochemistry II
- Pharmaceutical Biochemistry Practical
- Molecular Biology

Managerial Work:

- Pharmaceutical Biochemistry and Clinical Biochemistry Coordinator. (2015-current)
- Member of the Faculty of Pharmacy Council (2015-2018/2021-)
- Quality Assurance Officer (2008-2012 and 2019- 2020).
- Member in the Organizing Committee of the Second Innovation and Entrepreneurship Forum (2020-2021)

Achievements:

Applied the Quality Assurance Guidelines in the Faculty.
Involved in Writing the Quality Assurance reports.
Following up the Academic Agenda.

- Head of Faculty of Pharmacy Community Work Committee for several academic years-current

Achievements:

- Supervised many community work activities including charitable bazaars, medical days, blood donation day, awareness lectures and activities.
- Gave courses with INJAZ .:
 - a. Leadership Course
 - b. Master Class.
 - c. Success Skills Course

Participated in different faculty and university committees:

- Member in the Education Resources Committee.
- Member in the Research Committee
- Member in the Accreditation and Quality Control Committee for several years.
- Member in the 2nd Scientific day organizing committee.

[2006-2007] Philadelphia University, Amman, Jordan.
Lecturer , Part Time (1st semester)
Pharmaceutical Biochemistry I

[2006-2007] Jordanian Pharmaceutical Manufacturing Company Plc. Amman, Jordan
Head of Biochemistry Section, Central Research Lab.

▪ Achievements:

- Molecular modeling of new patents.
- Inhibition studies on Phosphodiesterase 5.
- Assisting an M.Sc student in finalizing his M.Sc project in the molecular modeling part.

[2000-2001] Jordanian Pharmaceutical Manufacturing Company Plc (JPM) Amman, Jordan

Researcher

• Achievements:

Finding me a hard-working, trustworthy and efficient scientist, the JPM Company entrusted me to extend their phosphodiesterase project as part of my Ph.D program.

▪ **[2000-2001] Pharmacist, Al-Deyar Pharmacy, (Part time).**

Oct-Nov 2005

Professional memberships

Jordanian Association for Pharmacists

Personal Development and certifications

The Incredible You Certified Coach, a CCE certified program accredited by International Coach Federation 2021

First Aid Psychiatric Training, TR Learning Center, 2019

Courses & Workshops:

- E-learning and blended skills, Deanship of Development and Distance Learning Philadelphia University , September 2021
- MED2IaH - Global skills development in a local context based on the contents of a webinar organised as a part of MED2IaH project, 24 February 2021
- MED2IaH - Internationalization of formal curriculum based on the contents of a webinar organised as a part of MED2IaH project, 21 February 2021
- Professional Development and e-Learning, Deanship of Development and Distance Learning Philadelphia University September 2020
- Drugs Awareness Methods Course, Drug Enforcement Administration 24 December 2017
- Bridging Science and Business” Support to Research, Technological Development and Innovation in Jordan (SRTD II) programme 11-12 Feb 2017
- Project Management , Horizon H2020 16, Jan 2017
- Proposal Writing Workshop Horizon H2020 25-27Oct2016
- E-learning courses application and Moodles, Nov. 2009
- Implementation of blended model of education delivery in higher education, Oct 2007.
- Mapping the Future (Teaching course based on Group

Discussion), 27th Oct 2007

- Integrated Management Capacity Building, May 2006
- Formal Management Development, 29-31 July 2006.
- The Medical Device Directives, in-house course at JPM presented by Management Forum Ltd, London.
- Principle of Quality Control and Regulatory Affairs, in-house course at JPM.
- Effective presentation, British council, Amman–Jordan .
- Introduction to Sequence Analysis and Bioinformatics, King’s College London, (32 hours workshop, March 2004)

Conferences and Scientific Days

- Drug: Chemistry and Design, Faculty of Pharmacy, Philadelphia University. 2018
- 3rd ISANH Middle East World Congress, Amman Antioxidants 2017
- The Eighth Conference on Scientific Research in Jordan 2015
- Recent advances in Pharmacy and Pharmaceutical care 2014
- International Conference on the Conservation and Use of Socio-Economically Important Wild Plants in the Fertile Crescent. 2010
- 2nd AACR Dead Sea International Conference on Advances in Cancer Research: From the Laboratory to the Clinic
- 1st AACR Dead Sea International Conference on Advances in Cancer Research: From the Laboratory to the Clinic 2008
- LINC Conference: Learning International Network Consortium of the Massachusetts Institute of Technology MIT) 2007
- 4th Health and Life Sciences Postgraduate Research Symposium, King’s College London. 2004
- 10th Annual UKICR Symposium-Macromolecular-Drug Delivery-Big Molecules Big Problems, GSK House 2004
- The 5th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World and the 2nd International Conference of the Faculty of Pharmacy, “New Millennium, New Horizons in Pharmaceutical Sciences”, Amman-Jordan 2003

- The 10th Pharmaceutical Jordanian Congress, Amman-Jordan 2002
- The Role of Pharmacist in Giving Treatment Advice for Allergic Diseases, Amman-Jordan. 2002
- The First International Conference on Clinical Pharmacy-“Future Challenge”, Amman –Jordan. 1998

Skills

Technical Skills

Biochemical:

- Synthesis and characterization of Green Nanoparticles.
- Development of enzyme Linked Immunosorbant Assays (ELISA).
- Hapten-protein conjugate synthesis.
- Tissue Culture (cell lines and primary culture).
- Immunohistochemical staining.
- Protein extraction and purification.
- Enzyme kinetics assays

Biophysical:

- UV/Vis Spectroscopy.
- Circular Dichroism (CD) Spectroscopy.
- Molecular Modelling using the Hyperchem computer program.

Computer Skills

- Microsoft Office Certificate (2000).
- Experience in online platforms, Moodles, Microsoft Teams, Google meet and Zoom.
Also have a good knowledge of other commercial computer packages such as Origin, GraphPad, Standard Analysis, Rasmol and Hyperchem.

Language Skills:

- Arabic: Mother Tongue.
- English: Fluent (written & spoken).
- French: Fair knowledge (written & spoken).

(A) PUBLISHED BOOK CHAPTERS:

Publications

1. Abeer Jabra Shnoudeh, Islam Hamad, Ruwaida W Abdo, Lana Qadumii, Abdulmutallab Yousef Jaber, Hiba Salim Surchi, Shahd Z Alkelany. **Synthesis, Characterization, and Applications of Metal Nanoparticles**. In: Biomaterials and Bionanotechnology, 527-612, 2019.

<https://doi.org/10.1016/B978-0-12-814427-5.00015-9>

2. Arpna Indurkhya, Mahendra Patel, Piyoosh Sharma, Sara Nidal Abed, Abeer Shnoudeh, Rahul Maheshwari, Pran Kishore Deb, Rakesh K Tekade. **Influence of Drug Properties and Routes of Drug Administration on the Design of Controlled Release System.** In: Dosage Form Design Considerations. 179-223, 2018.

<https://doi.org/10.1016/B978-0-12-814423-7.00006-X>

(B) PUBLISHED PAPERS

3. Abeer Jabra Shnoudeh, Lana Qadumii, Malek Zihlif , Hamzeh J. Al-Ameer, Ruba Anwar Salou, Abdulmutalleb Yousef Jaber and Islam Hamad. **Green Synthesis of Gold, Iron and Selenium Nanoparticles Using Phytoconstituents: Preliminary Evaluation of Antioxidant and Biocompatibility Potential.** Molecules, 27(4): 1334, Feb 2022. <https://doi.org/10.3390/molecules27041334>
4. Qutaiba Ahmad Al Khames Aga, Mansour Haddad, Yazan A. Bataineh, Abdel Naser Dakkah, Abeer Jabra Shnoudeh, Randa SH Mansour. **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, Aug 2020. doi: [10.31838/srp.2020.8.68](https://doi.org/10.31838/srp.2020.8.68)
5. El-Thaher T.S., Khatib S, Saleem M, Shnoudeh A, Badwan A.A. **A Novel Compound JPM8: in vivo penile activity promotion in rats, effect on the relaxation and cGMP/cAMP accumulation in isolated rabbit corpora cavernosa.** International Journal of Impotence Research : Official Journal of the International Society for Impotence Research. 14(6): 453-61, Dec 2002. doi: [10.1038/sj.ijir.3900908](https://doi.org/10.1038/sj.ijir.3900908)

(C) CONFERENCES

1. Abeer J. Shnoudeh, Alex F. Drake, Robert C. Hider, Adnan Badwan & Talal El-Thaher. Inhibition Study of Novel Phosphodiesterase Type 5 Designed Inhibitors, The Development of ELISA Assay for cAMP & cGMP. 4th Health and Life Sciences Postgraduate Research Symposium, King's College London. 2004
2. Abeer J. Shnoudeh, Talal S. El – Thaher and Adnan A. Badwan, Effect of JPM-8 and Sildenafil citrate on the In Vitro Accumulation of cGMP and cAMP in Rabbit Corpus Cavernous Smooth Muscle (CCSM), The 10th Pharmaceutical Jordanian Congress, Amman-Jordan, 2002.

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Google Scholar:

<https://scholar.google.com/citations?hl=en&user=cfSeVjYAAAAJ>

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=6602759648>

References:

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