

Date: October 7, 2022.

**Rana Talal Abu-Huwaij**



#### PERSONAL INFORMATION

Title: Dean

Academic Rank: Professor

Date & Place of Birth: 12/1968, Kuwait

Nationality: Jordanian

Address: Al-Humar

Phone No.: 00962 777 499277

e-mail: r.abuhuwaij@aau.edu.jo

#### ACADEMIC QUALIFICATIONS

| Degree                                   | Major                        | Duration<br>(From-To)          | University                                     | Country |
|------------------------------------------|------------------------------|--------------------------------|------------------------------------------------|---------|
| Ph.D. in<br>Pharmaceutical<br>Technology | Pharmaceutical<br>Technology | September 2000-<br>August 2004 | Jordan University of<br>Science and Technology | Jordan  |
| MSc in<br>Pharmaceutical<br>Technology   | Pharmaceutical<br>Technology | September 1998 -<br>June 2000  | Jordan University of<br>Science and Technology | Jordan  |
| BS in Pharmacy                           | Pharmacy                     | September 1986 -<br>June 1991  | Jordan University of<br>Science and Technology | Jordan  |

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**ACADEMIC  
EXPERIENCE**

| Duration       | Rank                            | Institution                                                                                                        | Department/Faculty                                       | Country         |
|----------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------|
| 9/2022-Present | Professor                       | Amman Arab University                                                                                              | Faculty of Pharmacy                                      | Mobus-Jordan    |
| 6/2022-9/2022  | Professor                       | Al- Ahliyya Amman University                                                                                       | Faculty of Pharmacy                                      | Salt-Jordan     |
| 9/2018-9/2022  | Associate Professor             | Al- Ahliyya Amman University                                                                                       | Faculty of Pharmacy                                      | Salt-Jordan     |
| 9/2014-7/2018  | Assistant Professor             | Al- Ahliyya Amman University                                                                                       | Faculty of Pharmacy and Medical Sciences                 | Salt-Jordan     |
| 10/2008-2/2013 | Assistant Professor             | Saad College of Nursing & Allied Health Sciences, (in affiliation with the University of Ulster-Northern Ireland). | Humanity & Science Department                            | Al- Khobar-KSA. |
| 3/2005-2/2008  | Assistant Professor             | Al- Ahliyya Amman University.                                                                                      | Department of Pharmaceutical Sciences & Medical Sciences | Salt-Jordan     |
| 3/2005-7/2005  | Assistant Professor             | Al- Israa University (part time job)                                                                               | Faculty of Pharmacy                                      | Amman-Jordan    |
| 9/1998-7/2004  | Teaching Assistant              | Jordan University of Science and Technology                                                                        | Department of Pharmaceutical Technology                  | ,Irbid-Jordan   |
| 9/1991-7/1995  | Teaching and Research Assistant | Jordan University of Science and Technology                                                                        | Department of Pharmaceutical Technology                  | Irbid-Jordan    |

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**OTHER  
EXPERIENCE**

| Duration       | Rank                                          | Institution                                                                                                      | Department /Faculty                      | Country        |
|----------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------|
| 9/2022-present | Dean                                          | Amman Arab University                                                                                            | Faculty of Pharmacy                      | Mobus-Jordan   |
| 1/2022-9/2022  | Director of Women Health Center               | Al-Ahliyya Amman University                                                                                      | Faculty of Nursing                       | Salt-Jordan    |
| 9/2021-1/2022  | Vice Dean for Women Health Center Affairs     | Al-Ahliyya Amman University                                                                                      | Faculty of Nursing                       | Salt- Jordan   |
| 9/2018-9/2020  | Vice Dean for Accreditation & Quality         | Al-Ahliyya Amman University                                                                                      | Faculty of Pharmacy                      | Salt- Jordan   |
| 9/2014-9/2018  | Assistant Dean                                | Al-Ahliyya Amman University                                                                                      | Faculty of Pharmacy and Medical Sciences | Salt- Jordan   |
| 9/2013-9/2014  | Director of Accreditation & Quality Assurance | Royal University for Medical Sciences                                                                            | -                                        | Qastal-Jordan. |
| 11/2008-1/2013 | Head of Quality & Audit Management            | Saad College of Nursing & Allied Health Sciences (in affiliation with the University of Ulster-Northern Ireland) | Department of Quality & Audit Management | Al-Khobar-KSA  |
| 9/2009-2/2010  | Head of Humanity & Science Department         | Saad College of Nursing & Allied Health Sciences (in affiliation with the University of Ulster-Northern Ireland) | Humanity & Science Department            | Al-Khobar-KSA  |

## PUBLICATIONS

### JOURNALS

| Author/s<br>(In Order)                                                                                                                 | Title                                                                                                                                                                       | Journal                                                              | Volume/<br>Number/Pages | Publication<br>date |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------|---------------------|
| <b>Rana Abu-Huwaij</b> ,<br>Shereen Assaf, Mutaz<br>Salem & Alsayed Sallam                                                             | Mucoadhesive dosage form<br>of lidocaine hydrochloride: I.<br>Mucoadhesive and<br>physicochemical<br>characterization.                                                      | Drug<br>Development<br>and Industrial<br>Pharmacy.                   | 33(8)<br>855-64         | <b>2007</b>         |
| <b>Rana Abu-Huwaij</b> ,<br>Shereen Assaf, Mutaz<br>Salem, Alsayed Sallam                                                              | Potential mucoadhesive<br>dosage form of lidocaine<br>hydrochloride:<br>II. In vitro and in vivo<br>evaluation.                                                             | Drug<br>Development<br>and Industrial<br>Pharmacy.                   | 33(4)<br>437-48         | <b>2007</b>         |
| Mutaz Salem, Shereen<br>Assaf, <b>Rana Abu-<br/>Huwaij</b> , & Alsayed<br>Sallam                                                       | Enhanced buccal<br>delivery of fentanyl<br>citrate using buccal<br>patches.                                                                                                 | Journal of<br>Pharmacy and<br>Pharmacology                           | 62(10) 1266-<br>1267    | <b>2010</b>         |
| Rana M Obaidat, Kamal<br>Sweidan, Wafa Al-Rajab,<br>Mai Khanfar, <b>Rana Abu-<br/>Huwaij</b> , Yusuf Al-Hiari<br>and Samir Al-Gharabli | Development of local<br>mucoadhesive sustained<br>release patches of<br>tetracycline hydrochloride<br>for treatment of mouth<br>infections: a preliminary in<br>vitro study | European<br>Journal of<br>Parenteral &<br>Pharmaceutical<br>Sciences | 15(4)<br>87-94          | <b>2010</b>         |

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|                                                                                                                                                                                   |                                                                                                                      |                                                       |                              |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------|-------------|
| <b>Rana Abu-Huwaij</b> , Rana M Obaidat, Kamal Sweidan, Yusuf Al-Hiari                                                                                                            | Formulation and in vitro evaluation of xanthan gum or carbopol 934-based mucoadhesive patches, loaded with nicotine. | AAPS PharmSciTech.                                    | 12(1)<br>21-7                | <b>2011</b> |
| <b>Rana Talal Abu-Huwaij</b>                                                                                                                                                      | Students' engagement in the self- evaluation process, is it a useful visible step? Saudi Pilot Study.                | Journal of Research on Humanities and Social Sciences | 4(11)<br>84-91               | <b>2014</b> |
| Rania Hamed, Tamadur A Baraghthi, Ahlam Zaid Alkilani & <b>Rana Abu-Huwaij</b>                                                                                                    | Correlation between rheological properties and in vitro drug release from penetration enhancer-loaded Carbopol® Gels | Journal of Pharmaceutical Innovation                  | 11(4)339-351                 | <b>2016</b> |
| Ahlam Zaid Alkilani, Rania Hamed, Sara Al-Marabeh, Areej Kamal, <b>Rana Abu-Huwaij</b> , Islam Hamad                                                                              | Nanoemulsion-based film formulation for transdermal delivery of carvedilol                                           | Journal of Drug Delivery Science and Technology       | 46(122-128)                  | <b>2018</b> |
| <b>Rana Abu-Huwaij</b>                                                                                                                                                            | Promising polymeric buccoadhesive bilayered tablets releasing valsartan, Effect of gel strength                      | Jordan Journal of Pharmaceutical Sciences             | 11(3)119-131                 | <b>2018</b> |
| <b>Rana Abu-huwaij</b> , Rania Hamed, Enas Daoud and Ahlam Zaid Alkilani                                                                                                          | Development and in vitro characterization of nanoemulsion based buccal patches of valsartan                          | Acta Polonia Pharmaceutica                            | 76(2)325-333                 | <b>2019</b> |
| Rawda Yaseen AlSheyyab1, Rana Mohammad Obaidat, Yara Radi Altall, <b>Rana Talal Abuhuwaij</b> , Rand Radwan Ghanma, Anoud Sameer Ailabouni, Hadeia Ahmad Mashaqbeh, Shayma Al-Haj | Solubility enhancement of nimodipine through preparation of Soluplus® dispersions                                    | Journal of Applied Pharmaceutical Science             | 9(09)030-037                 | <b>2019</b> |
| Rania Hamed, Ahmad Farhan, <b>Rana Abu-Huwaij</b> , Nouf N. Mahmoud & Areej Kamal                                                                                                 | Lidocaine microemulsion-laden organogels as lipid-based systems for topical delivery                                 | Journal of Pharmaceutical Innovation                  | 15 (4), 521-534, 1-14 (2020) | <b>2019</b> |
| Rania Hamed, Yasmeen Al-Adhamia, <b>Rana Abu-Huwaij</b>                                                                                                                           | Concentration of a microemulsion influences the mechanical properties of ibuprofen in situ microgels                 | International Journal of Pharmaceutics                | 570<br>(2019)118684          | 2019        |

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|                                                                                                         |                                                                                                                                                              |                                                       |                                                        |                            |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------|----------------------------|
| <b>Rana Abu-Huwaij</b> , Sarah F. Al-Assaf, Farah Mousli, Maram S. Kutkut, Ahlam Al-Bashtawi            | Perceptive review on properties of iron oxide Nanoparticles and their antimicrobial and anticancer activity                                                  | Systematic reviews in pharmacy                        | 11(8): 418-431                                         | <b>2020</b>                |
| F. Muhana, <b>R. Abu-huwaij</b> , N. khalaf, F. Khalili and N. Shalan                                   | Synthesis & Characterization of Mesoporous Silica carrier releasing Valsartan                                                                                | Asian Journal of Chemistry                            | 32(8)2927-2933                                         | <b>2020</b>                |
| Aseel Abu-Rumman, <b>Rana Abu-Huwaij</b> & Rania Hamed                                                  | Development and in vitro evaluation of Soluplus® and/or Carbopol® 971-based mucoadhesive patches loaded with Atorvastatin                                    | Journal of Adhesion                                   | 98(7), 2022                                            | Dec. 17 <b>2020</b>        |
| Rania Naser, <b>Rana Abu-Huwaij</b> , Iqbal Al-khateeb, Manal M. Abbas, Ali M. Atoom                    | Green synthesis of zinc oxide nanoparticles using the root hair extract of Phoenix dactylifera: Antimicrobial and anticancer activity                        | Applied Nanoscience                                   | 11, 1747–1757                                          | <b>2021</b>                |
| Maha N. Abu Hajleh, <b>Rana Abu-Huwaij</b> , Ali AL-Samydai, Lidia Kamal Al-Halaseh, Emad A. Al-Dujaili | Nanotechnology Revolutionizing the Field for Cosmeceuticals Delivery: A Narrative Review                                                                     | Journal of cosmetic dermatology                       | 20(12):3818-3828.                                      | <b>2021</b>                |
| <b>Rana Abu-Huwaij</b> ; Sarah F. Al-Assaf; Rania Hamed                                                 | Recent exploration of nanoemulsions for drugs and cosmeceuticals delivery                                                                                    | Journal of cosmetic dermatology                       | 21:3729–3740.                                          | 28 Dec <b>2021</b>         |
| <b>Rana Abu-Huwaij</b> , Enas Alkhader, Sanaa Gharaibeh, Iman Khalil                                    | Bridging gaps in distance learning during a pandemic: Exploratory questionnaire-based analysis in Jordan during COVID-19 lockdown                            | International Journal of Technology Enhanced Learning | Published online. 2020. Vol 14 (2) pp.198 – 216 (2022) | <b>2022</b>                |
| Batool Mahdi, <b>Rana Abu-Huwaij</b> , Iqbal Al-khateeb                                                 | Development of Topical Patches Releasing Allicin Using Garlic Extract                                                                                        | Journal of cosmetic dermatology                       | 21 (1), 396-402 (2022)                                 | <b>Oct. 2022</b>           |
| <b>Rana Abu-Huwaij</b> , Manal M. Abbas, Rolla Al-Shalabi, Farah N. Almasri                             | Synthesis of transdermal patches loaded with greenly synthesized zinc oxide nanoparticles and their cytotoxic activity against triple negative breast cancer | Applied Nanoscience                                   | 12, 69–78 (2022)                                       | 27 Nov. , 2021 <b>2022</b> |

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|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------|-------------|
| Rolla Al-Shalabi, <b>Rana Abu-Huwaij</b> , Rania Hamed, Manal M. Abbas                                                        | The antimicrobial and the Antiproliferative Effect of Human Triple Negative Breast Cancer Cells Using the Greenly Synthesized Iron Oxide Nanoparticles     | Journal of Drug Delivery Science & Technology | 75, 103642 | <b>2022</b> |
| Ahlan Zaid Alkilani , Hana Abu-Zour, Anas Alshishani, Rana Abu-Huwaij, Haneen A. Basheer, Hadeel Abo-Zour                     | Formulation and evaluation of niosomal alendronate sodium encapsulated in polymeric microneedles: In vitro studies, stability study and cytotoxicity study | Nanomaterials                                 | Accepted   | <b>2022</b> |
| Rania Hamed, Amani D. Abu Kwiak, Yasmeen Al-Adhami, Alaa M. Hammad, Rana Obaidat, Osama H. Abusara and <b>Rana Abu Huwaij</b> | Microemulsions as Lipid Nanosystems Loaded into Thermoresponsive In Situ Microgels for Local Ocular Delivery of Prednisolone                               | Pharmaceutics                                 | 14, 1975   | <b>2022</b> |

CONFERANCES

| Title                                      | Conference Title                         | Country                                     | Date       |
|--------------------------------------------|------------------------------------------|---------------------------------------------|------------|
| الصيدلة أفاق جديدة لمواكبة العصر           | Eleventh Jordanian Pharmacy Conference   | Amman, Jordan                               | Sep 2005   |
| -----                                      | The Scientific Pharmaceutical Day        | University of Jordan                        | Sep 2005   |
| -----                                      | Second Jordanian Faculties of Medicine.  | Jordan University of Science and Technology | April 2006 |
| نظرة مستقبلية لمهنة الصيدلة (واقع وتطلعات) | The Scientific Pharmaceutical Conference | Royal Jordanian Services                    | May 2006   |
| -----                                      | First Scientific Pharmaceutical Day      | Al-Ahliyya Amman University                 | May 2006   |

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|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|
| Promoting Excellence in Higher Education                                                      | Al-Hussein Fund For Excellence in Collaboration with The Center for Quality Assurance in International Education | Amman, Jordan                       | July 2006  |
| -----                                                                                         | Al-Zaytonah International Conference                                                                             | Al-Zaytonah, University, Jordan     | Nov. 2006  |
| -----                                                                                         | Second Scientific Pharmaceutic al Day                                                                            | Al-Ahliyya Amman University, Jordan | May 2007   |
| E-learning & quality education & training: output quality assurance”.                         | Second International Conference and Exhibition                                                                   | University of Bahrain, Bahrain      | April 2008 |
| Quality assurance for All                                                                     | First Quality Assurance meeting                                                                                  | Imam University Riyadh, KSA         | Oct. 2008  |
| Internal Quality Assurance Systems in Higher Education institutions: Reality and Expectations | Second National Conference for Quality in Higher education                                                       | Riyadh, KSA                         | Oct. 2009  |
| Quality Management in Higher Education                                                        | Periodical Forum for NCAAA Officials & Quality Directors for Higher Education Institutions                       | Riyadh, KSA                         | May, 2011  |
| نعتز بالماضي ونعمل للمستقبل<br>Proud of past and work for future                              | Seventh International Conference of the Royal Medical Service                                                    | Dead Sea, Jordan                    | Nov, 2014  |
| Frontiers in the Pharmaceutical Sciences and Pharmacy Practice: A global Perspective          | Fifth International Conference in Pharmaceutical Sciences                                                        | Al-Zaytonaah University, Jordan     | Oct, 2015  |



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------|
| Advances in pharmacy & pharmaceutical care                                                                                                                                                                                              | The first international conference of the Jordanian association of faculties of pharmacy                                                          | Al-Israa University, Jordan     | Oct, 2015   |
| Excellence in Pharmacy Education & Research: A Quality Approach                                                                                                                                                                         | The 4th international conference of the school of pharmacy. The 2nd conference of the association of Faculties of Pharmacy at Jordan Universities | Jordan University               | Oct, 2016   |
| AlRabi Al-Arabi الربيع الصيدلاني                                                                                                                                                                                                        | Tenth Scientific Day                                                                                                                              | Al-Petra University, Jordan     | April, 2017 |
| New Horizons in Pharmaceutical Research                                                                                                                                                                                                 | Sixth International Conference in Pharmaceutical Sciences                                                                                         | Al-Zaytonaah University, Jordan | Oct, 2017   |
| مؤتمر الدولي الثاني للمؤسسة العامة للغذاء والدواء                                                                                                                                                                                       | JFDA                                                                                                                                              | Vermont-Amman                   | March, 2018 |
| تعزيز الشراكة بين مقدمي الخدمة ومتلقيها ونشر التوعية حول الميثاق الوطني لحقوق المريض "Strengthening the partnership between service providers and their recipients and raising awareness about the National Platform for Patient Rights | ورشة الائتلاف الصحي لحقوق المريض Health Coalition Workshop                                                                                        | Intercontinental, Jordan        | May, 2018   |
| -----                                                                                                                                                                                                                                   | 3 rd MENA Conference on Bioequivalence, Biowaivers, Bioanalysis and dissolution"                                                                  | Sheraton Hotel, Amman, Jordan   | Sep., 2018  |
| نحو اطار وطني للمؤهلات الأكاديمية في الاردن (NQF)                                                                                                                                                                                       |                                                                                                                                                   | Jordan University               | Oct., 2018  |
| Building Successful Partnerships Between Academia and Industry-Scientific Research and Labor                                                                                                                                            | مؤتمر بناء شراكة ناجحة بين التعليم الأكاديمي للصناعة-البحث العلمي ومتطلبات سوق العمل                                                              | Grand Amman, Jordan             | Oct., 2018  |

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|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------|---------------------|
| market Needs”                                                  |                                                                                               |                                 |                     |
| الجودة والاعتماد في التعليم<br>Quality & Education in Teaching | المؤتمر السنوي العاشر للمنظمة العربية لضمان الجودة في التعليم                                 | Marriott Hotel, Amman           | Dec., 2018          |
| Future of Pharmaceutical Sciences                              | Seventh International Conference in Pharmaceutical Sciences                                   | Al-Zaytonaah University, Jordan | Nov., 2019          |
| Scopus Author Workshop                                         | Presented by Saide Sak, Customer Research & Analytics Consultant Researcher Academy, Elsevier | Al-Ahliyya Amman University     | 15 October, 2020    |
| Advancing Pharmacy Practice in the Region                      | 7th Annual GCC Pharmacy Congress.                                                             | Virtual meeting On Webinar      | 22-24 October, 2020 |
| Advancing Pharmacy Practice in the Region                      | 8th Annual GCC Pharmacy Congress.                                                             | Virtual meeting On Webinar      | 28-30 October, 2021 |
| Start your study on a path to success                          | Clarivate webinar                                                                             | Virtual                         | Nov. 10, 2021       |
| اليوم العلمي لكلية العلوم الصيدلانية                           | اضاءات في الممارسة الصيدلانية                                                                 | The Hashemite University (HU)   | June 30, 2022       |

## BOOKS

| Author/s<br>(In Order) | Title | Publisher | Edition | Date |
|------------------------|-------|-----------|---------|------|
|------------------------|-------|-----------|---------|------|

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**MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES**

| Name of Organization                                                                                                                                                                                                                                    | Country                       | Year          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| Member of the Jordan Pharmaceutical Association                                                                                                                                                                                                         | Jordan                        | 1991~ Present |
| Member of the Scientific Committee for the eleventh Jordanian Pharmacy Conference                                                                                                                                                                       | Jordan                        | <b>2006</b>   |
| Member of Pharmaceutical Sciences Academy                                                                                                                                                                                                               | Jordan                        | 2006- 2009    |
| Local Advisory Board Member of Jordan Journal of Pharmaceutical Sciences, Bi-annual international refereed journal                                                                                                                                      | Jordan                        | 2007- 2010    |
| Editorial Board of Journal of Drug Design and Medicinal Chemistry                                                                                                                                                                                       | Science Publishing Group, USA | 10/2017—2019  |
| Member of the National Committee to Combat Epidemics and Communicable Diseases “Pharmacological research and studies review committee”<br>عضو في اللجنة المؤسسية للمركز الوطني لمكافحة الأوبئة والأمراض السارية “لجنة مراجعة البحوث والدراسات الدوائية” | Jordan                        | 3/2022-3/2024 |

**UNIVERSITY COMMITTEES**

| Committee                                   | Name of Organization                | Dates      |
|---------------------------------------------|-------------------------------------|------------|
| Quality assurance steering committee member | Al-Ahliyya Amman University, Jordan | 2006-2007  |
| E-learning steering committee member        | Al-Ahliyya Amman University, Jordan | 2006 -2008 |
| Graduation ceremony organizer               | Al-Ahliyya Amman University, Jordan | 2006-2007  |
| Faculty council member                      | Al-Ahliyya Amman University, Jordan | 2005 -2006 |
| Student affairs committee member.           | Al-Ahliyya Amman University, Jordan | 2005-2006  |
| Qualification exam committee officer        | Al-Ahliyya Amman University, Jordan | 2005-2007  |
| Quality assurance committee officer         | Al-Ahliyya Amman University, Jordan | 2005-2007  |

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|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------|
| E-learning committee officer                                                                     | Al-Ahliyya Amman University, Jordan                                                        | 2006-2008   |
| Library committee member                                                                         | Al-Ahliyya Amman University,                                                               | 2005-2006   |
| Scientific day organizing committee member                                                       | Al-Ahliyya Amman University, Jordan                                                        | 2005-2006   |
| Students with academic difficulties Committee member                                             | Al-Ahliyya Amman University, Jordan                                                        | 2005-2006   |
| Student counseling committee member                                                              | A-Ahliyya Amman University, Jordan                                                         | 2006-2007   |
| Exams committee member                                                                           | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2006-2007   |
| Curriculum plan committee member                                                                 | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2006-2007   |
| College Council member                                                                           | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2008-2013   |
| Staff representative                                                                             | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2008-2009   |
| Continuing Education Committee Chairperson                                                       | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2009-2013   |
| Credentialing Committee Vice-Chair                                                               | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2009-2013   |
| Research Committee member                                                                        | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2009-2013   |
| Marketing Committee member                                                                       | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2008-2012   |
| Nursing Course Committee member                                                                  | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2008-2013   |
| Graduation Ceremony Committee member                                                             | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2012-2013   |
| Nursing Program Revalidation Committee                                                           | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2012-2013   |
| College Quality Council Vice-Chair                                                               | Saad College of Nursing & Allied Health Sciences, KSA                                      | 2012-2013   |
| اللجنة التوجيهية العليا لضمان الجودة                                                             | Al-Ahliyya Amman University, Jordan                                                        | 2014-2015   |
| Chair of Quality Assurance Committee                                                             | Al-Ahliyya Amman University, Jordan                                                        | 2014 - 2020 |
| Member of Post Approval Changes for new drugs committee (PAC)                                    | Jordan Food & Drug Administration, (JFDA)                                                  | 2017-2019   |
| Chairperson of the Accreditation Committee (To evaluate Khawarizmi University Technical College) | Accreditation and Quality Assurance Commission for Higher Education Institutions (AQACHEI) | Nov., 2019  |
| Graduate College Council Member<br>عضو مجلس كلية الدراسات العليا                                 | Jordan University of Science &                                                             | 2018-2020   |

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|-----------------------------------|-------------------------------------|-----------|
|                                   | Technology, Irbid-Jordan            |           |
| Library & website committee Chair | Al-Ahliyya Amman University, Jordan | 2020-2021 |
| Alumni committee member           | Al-Ahliyya Amman University, Jordan | 2020-2022 |
| Research Committee member         | Al-Ahliyya Amman University, Jordan | 2021-2022 |

**WORKSHOPS ATTENDED**

| Course Title                                                                                                                                                                                   | Organization                    | Date         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|
| Content development for e-learning workshop                                                                                                                                                    | Al-Ahliyya Amman University     | June/2006    |
| Capacity building project, Promoting Excellence in Higher Education Programs. Al Hussein Fund for Excellence in Collaboration with the Center for Quality Assurance in International Education | Four Seasons Hotel, Amman       | July/2006    |
| Becoming a competent Instructional designer for online course                                                                                                                                  | Al-Ahliyya Amman University     | Sept/2006    |
| Amman Pharmaceutical Workshop                                                                                                                                                                  | Al-Ahliyya Amman University     | Dec./2006    |
| Learning Management System (LMS)                                                                                                                                                               | Al-Ahliyya Amman University     | Jan/2007     |
| Course Redesign Strategies workshop, Carlos A Garcia cgarcia@acm.org                                                                                                                           | Al-Ahliyya Amman University     | Jan/2007     |
| Research Method & Applied Statistic Survival Analysis workshop                                                                                                                                 | Al-Khobar, KSA                  | June/2010    |
| Preparation for External Panel Review (NCAAA) workshop.                                                                                                                                        | Jeddah, KSA                     | January/2011 |
| Strategic Planning Workshop.                                                                                                                                                                   | Al-Khobar, KSA                  | March/2011   |
| Quality Center Manager Forum.                                                                                                                                                                  | Riyadh, KSA                     | May/2011     |
| Crestcom: stress management, time management, dealing with difficult person, and leadership.                                                                                                   | Al-Khobar, KSA                  | 2010-2011    |
| Learning Outcomes & KPIs: Application and Integration                                                                                                                                          | Al-Khobar, KSA                  | May, 2012    |
| Applied leadership training for directors of the Faculty development and quality assurance centers at Jordanian Universities                                                                   | Al-Zaytonaah University, Jordan | Feb., 2019   |
| عمليات إدارة الجودة الشاملة (المستوى المتوسط)<br>Total Quality Management Operations                                                                                                           | Al-Ahliyya Amman University     | Sept. 2019   |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------|
| مقيم جودة تعليم عالي معتمد لدى الهيئة                                                                                                               | Accreditation & Quality Assurance Commission for Higher Education Institution (AQACHEI) | Sept. 2019  |
| Turnitin                                                                                                                                            | Hourani e-learning Center/AAU                                                           | Dec. 2019   |
| Human Research Protection Exam                                                                                                                      | King Hussein Cancer Centre (KHCC)                                                       | Aug., 2020  |
| Workshop of "Standards for accreditation and quality of new academic programs"<br>"ورشة عمل بعنوان "معايير اعتماد وجودة البرامج الأكاديمية الجديدة" | Accreditation & Quality Assurance Commission for Higher Education Institution (AQACHEI) | April, 2022 |

## WORKSHOPS OFFERED

| 8- Experience in practical training (Lead workshops)                                            |                                                                                  |            |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------|
| Course Title                                                                                    | Organization                                                                     | Date       |
| Development and in vitro evaluation of bucco-adhesive patches releasing lidocaine hydrochloride | Eleventh Jordanian Pharmacy Conference                                           | Sep 2005   |
| Enhancing effect of oleic acid on lidocaine hydrochloride permeability across buccal mucosa     | Al-Zaytonah International Conference                                             | May 2006   |
| Quality Management Annual Feedback                                                              | Al-Khobor, KSA                                                                   | Dec. 2010  |
| Our Journey to accreditation                                                                    | Al-Khobor, KSA                                                                   | Feb. 2011  |
| Key features of course specification and course report                                          | Al-Khobor, KSA                                                                   | Dec. 2011  |
| Quality management feedback and benchmarking                                                    | Al-Khobor, KSA                                                                   | Dec. 2012  |
| Key features of course specification                                                            | Faculty of Pharmacy and Allied Medical Sciences/AAU                              | Oct., 2017 |
| Quality is everyone's responsibility                                                            | Faculty of Pharmacy and Allied Medical Sciences/AAU                              | March 2018 |
| Governance: Challenges & improvement                                                            | Faculty of Pharmacy and Allied Medical Sciences/AAU                              | March 2019 |
| Assessment loop of student learning outcomes                                                    | Faculty of Pharmacy and Allied Medical Sciences/AAU                              | March 2019 |
| Our Journey to Quality                                                                          | Faculty of Information Technology/AAU                                            | Sep., 2019 |
| Consultant at the ENI-CBC project<br>"BESTMEDGRAPE "funded by EU-ENI CBC.                       | JSSREC for training/teaching consultation for the project BMG excused in Jordan. | June 2021  |

### RESEARCH INTERESTS

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- Development, formulation, and characterization of different medicated dosage forms (patches, nanoemulsions, metallic nanoparticles, and bilayered tablets)
- In vitro/in vivo diffusion studies
- Quality Management in Higher Education
- Women's health issues

### LANGUAGES

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- Fluent in speaking and reading English and Arabic

### OTHER COMMUNITY ACTIVITIES

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1. Awareness Campaign "Towards a safe fasting for diabetics" Beneficiaries of the Orphanage Association. April 2022
2. Awareness Campaign "With consciousness we overcome the embarrassment of urinary incontinence". Rawabi Al Salt Association. April 25, 2022
3. Awareness Campaign "Positive relationships and personal hygiene is the secret of our excellence" High School Students / Balqa Governorate Allan Comprehensive Secondary School for Girls. May, 2022
4. Smoking initiative "Yes I am able to refrain from smoking". Al-Ahliyya Amman University May 31, 2022

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**AWARDS RECEIVED**

| Award                                                                                                                                                                                                               | Institution                                                     | Year              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------|
| • Prince Al-Hassan's award for the top student of class 1991 Faculty of Pharmacy                                                                                                                                    | Jordan University of Science and Technology                     | 1991              |
| • Faculty of Pharmacy Award of Honour for five consecutive academic years                                                                                                                                           | Jordan University of Science and Technology                     | 1986-1991         |
| • University Award of Honour for three academic years                                                                                                                                                               | Jordan University of Science and Technology                     | 1986, 1991, 1990, |
| • Ranked as the top student on the 1991 class. Jordan University of Science and Technology                                                                                                                          | Jordan University of Science and Technology                     | 1991              |
| • Ranked as the top student on all PhD pharmacy graduate students.                                                                                                                                                  | Jordan University of Science and Technology                     | 1998-2005         |
| • Graduate scholarship for two years during the Master study, Jordan University of Science and Technology                                                                                                           | Jordan University of Science and Technology                     | 1998-2000         |
| • Graduate scholarship for four years during the Ph.D study, Jordan University of Science and Technology                                                                                                            | Jordan University of Science and Technology                     | 2000-2004         |
| • Letter of Appreciation for Best Department in Quality achievement during the department leadership                                                                                                                | Saad College of Nursing & Allied Health Sciences Al- Khobar-KSA | 2011              |
| • Reviewer Acknowledgement award from editor of review of educational research AERA impact factor 5.26 from October 2013-September 2014. <i>Review of educational research</i> December 2014 vol 84 no 4 pp 640-647 | USA                                                             | 2014              |
| • Reviewer Acknowledgement award from editor of International Journal of Pharmaceutics IF= 4.845                                                                                                                    | Elsevier                                                        | 2015              |



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**GRADUATE STUDENTS SUPERVISION**

| Degree                                              | Thesis Title                                                                                                                   | Student Name            | Organization                                |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------|
| <b>External examiner for</b>                        |                                                                                                                                |                         |                                             |
| Master of Pharmaceutical Sciences<br>August, 2015   | Development and optimization of Diclofenac Diethylamine Nanoemulsion-Based gel formulation                                     | Marwa Basil Al-Zabin    | Al-Zaytoonah University of Jordan           |
| Master of Pharmaceutical Technology<br>May, 2017    | Enhancing dissolution of Curcumin by Solid dispersion method and freeze-drying technique using Inulin and Neusiln as carriers. | Osama Mahmoud Abu-Souad | Jordan University of Science and Technology |
| Master of Pharmaceutical Sciences<br>May, 2019      | Development of Dual release Pellets of non-steroidal Anti-inflammatory Drug Celocoxib                                          | Haitham Omran           | Al-Zaytoonah University Of Jordan           |
| Master of Pharmaceutical Technology<br>August, 2019 | Preparation & Characterization of Lercsnidipine nanosuspension using high pressure homogenizer                                 | Baraa Wael Ibraheim     | Jordan University of Science and Technology |
| Master of Pharmaceutical Sciences<br>August, 2020   | Development of biomaterial used in urinary catheter to prevent microbial adhesion: effect of drug type                         | Wasan Ibrahim Alwahsh   | Al-Zaytoonah University of Jordan           |
| Master of Pharmaceutical Technology<br>March, 2021  | Preparation and characterization of metronidazole and ibuprofen in situ microgel for the treatment of periodontitis            | Amani Abu- Kwaik        | Jordan University of Science and Technology |
| Master of Pharmaceutical Sciences                   | Dermal delivery of an antiwrinkle agent using Nano emulsion loaded                                                             | Baraah Jihad Abu-Nahiah | Al-Zaytoonah University of Jordan           |

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|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|
| August, 2022                                           | dissolving microneedles                                                                                                                                        |                     |                                             |
| Master of Pharmaceutical Sciences<br>August, 2022      | Formulation and characterization of a transdermal delivery system for clarithromycin                                                                           | Batool Nidal Musleh | Al-Zarqa University                         |
| Master of Nanoscience and engineering<br>August, 2022  | A biosensor using carbon nanotube/gold nanoparticles to detection HER2 protein in breast cancer                                                                | Manar Ajlouni       | Jordan University of Science and Technology |
| Master of Pharmaceutical Sciences<br>August, 2022      | The effect of antenatal psychological stress on maternal health status in Mafraq hospital and Princess Badea hospital                                          | Mays Shdefat        | Al-Israa University                         |
| <b>Co-advisor for</b>                                  |                                                                                                                                                                |                     |                                             |
| Master of Pharmaceutical Sciences<br>January, 2020     | Development of topical patches releasing Allicin                                                                                                               | Batool Mahdi        | Al-Ahliyya Amman University                 |
| Master of Medical Laboratory Sciences<br>January, 2022 | Analysis of the Antimicrobial Activity of Zinc Oxide Nanoparticles and Their Applications in Disinfection Process.                                             | Dalia Alqaffaf      | Al-Ahliyya Amman University                 |
| Master of Pharmaceutical Sciences<br>September, 2022   | Development and characterization of anticancer model drug conjugated to biosynthesized zinc oxide nanoparticles loaded into different topical skin formulation | Rowaa Obaid         | Al-Zaytoonah University of Jordan           |
| <b>Supervisor for</b>                                  |                                                                                                                                                                |                     |                                             |
| Master of Pharmaceutical Sciences<br>May, 2020         | Development of buccoadhesive patches releasing atorvastatin                                                                                                    | Aseel Abu-Rumman    | Al-Ahliyya Amman University                 |

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|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|
| Master of Pharmaceutical Sciences<br>December, 2020      | Development of zinc oxide nanoparticles using the root hair extract of <i>Phoenix dactylifera</i> and studying their antimicrobial and anticancer activities. | Rania Naser             | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>May, 2021           | Preparation of eco-friendly coated magnetic iron oxide nanoparticles using <i>Spinacia oleracea</i> leaves and studying their anticancer activity             | Rola Al-Shalabi         | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>May, 2021           | Preparation of eco-friendly magnetic iron oxide nanoparticles using banana peels and study the anticancer and antimicrobial activities                        | Furqan Jassem           | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>Feb., 2022          | Green development of transdermal patches using eco-friendly coated iron-oxide nanoparticles loaded with doxorubicin                                           | Maymona Shakir Abed     | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>Feb., 2022          | Development of transdermal patches releasing Itraconazole                                                                                                     | Ali Nazal               | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>Feb., 2022          | Development of magnetic gel containing iron-oxide nanoparticles loaded with cisplatin                                                                         | Ali Raed Dhahir         | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>June., 2022         | Utilization of Onion Peels in Preparation of Eco-friendly Iron Oxide Nanoparticles for lung Cancer Therapy                                                    | Hanan Rafid Abdulhaleem | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>June., 2022         | Recycling the local grape pomace extract into silver nanoparticles and studying their activity against the triple-negative breast cancer                      | Luna Ghaiath Al-Turjman | Al-Ahliyya Amman University |
| Master of Pharmaceutical Sciences<br>Expected Sept, 2022 | Preparation and characterization of sertraline conjugated zinc oxide nanoparticles recycled from the local olive pomace extract                               | Wafa' Al-haj            | Al-Ahliyya Amman University |

## REFERENCES

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Mutaz S. Salem, PhD<br/>President of Philadelphia University, Former President of Royal University of Medical Sciences, Former President Counsellor and former Dean of the Faculty of Pharmacy, Jordan University of Science and Technology, Vice-President of Philadelphia University. Professor of Pharmaceutics<br/>Mobile: 00962-795577-471<br/>E-mail: Salem@just.edu.jo</li></ul> |
| <ul style="list-style-type: none"><li>• Maher Saleem, PhD<br/>Former President of Amman Arab University, Former President of Middle East University, Former President of Al-Ahliyya Amman University. Professor of Biochemistry<br/>Mobile: +962-797777-700</li></ul>                                                                                                                                                           |
| <p>Sheeren Assaf, PhD.<br/>Former Head of Pharmaceutical Technology Department, Faculty of Pharmacy, Jordan University of Science and Technology. Professor of Pharmaceutics<br/>E-mail: Sheassaf@yahoo.com<br/>Mobile: 00962-795514-441</p>                                                                                                                                                                                    |