

Curriculum vitae

11-2017



Personal Information:

- Name: **Reema AbdelKareem Abu Khalaf**
 - Place of birth: Amman – Jordan
 - Date of birth: September 21st 1972
 - Nationality: Jordanian
 - Profession: Associate Professor at Faculty of Pharmacy
 - Marital status: Married
 - Address: Al-Rabeyeh / Amman
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 - ☎ (Work): 0096264291511 (ext:280)
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Educational Background:

- Ph.D. of Medicinal Chemistry & Drug Discovery, with an average of **(3.97 out of 4.00)** rating **Excellent**, Faculty of Pharmacy, University of Jordan, August 2009, Amman-Jordan.

Thesis title : Discovery of new cholesteryl ester transfer protein (CETP) inhibitors via ligand-based pharmacophore modeling and QSAR analysis and subsequent hit optimization.

- M.Sc. of Pharmaceutical sciences, with an overall GPA of **(4.00 out of 4.00)** rating **Excellent** , Faculty of Pharmacy, University of Jordan, September 2002, Amman-Jordan.

Thesis title : Synthesis and microbiological evaluation of some novel derivatives of some natural and synthetic polymers.

- B.Sc. of Pharmacy, with an overall GPA of **(85.3 %)** rating **Excellent**, Faculty of Pharmacy, University of Jordan, June 1994, Amman-Jordan.
- General secondary education certificate (science section) with final average **(93.9 %)**, July 1989, Sukeina Secondary School for Girls , Amman-Jordan.

Professional Experience:

- 10/2017- up to date: **Associate Professor** of Medicinal Chemistry, Drug Discovery and Instrumental Analysis for undergraduate and Postgraduate students at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
- 2016- 10/2017: **Associate Professor** of Medicinal Chemistry, Drug Discovery and Instrumental Analysis for undergraduate and postgraduate students at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
Assistant Dean for Quality Assurance, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
- 2014- 2016: **Associate Professor** of Medicinal Chemistry, Drug Discovery and Instrumental Analysis for undergraduate and postgraduate students at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
Head of Quality Assurance Office, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
- 2011- 2014: **Assistant Professor** of Medicinal Chemistry, Drug Discovery and Instrumental Analysis for undergraduate and postgraduate students at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
Head of Quality Assurance Office, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
- 2009- 2011: **Assistant Professor** of Medicinal Chemistry and Instrumental Analysis for undergraduate students at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan.
- 2003- 2009: Lecturer of Medicinal Chemistry, Pharmaceutical Analytical Chemistry & Instrumental Analysis at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan..
- 1997-2003: Teaching & Research Assistant at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman-Jordan. Duties: Teaching &

supervision in the following laboratories: Medicinal Chemistry, Analytical Chemistry, Organic Chemistry, Physical Pharmacy, Instrumental Analysis, Pharmacognosy, Phytochemistry, Pharmacology and Anatomy.

1996-1997: Working in a Community Pharmacy (Mierra Pharmacy).

1995-1996: Teaching & Research Assistant at Faculty of Pharmacy, Applied Science University, Amman, Jordan. Duties: Teaching & Supervising Analytical Chemistry Lab.

Professional Activities and Conferences:

- Participate in a Training Course entitled: 'Using and Managing E-Learning System' held at Al- Zaytoonah University of Jordan, Amman, Jordan, 1-4 October **2017**.
- Participate as oral presentation in BIT's 15th Annual Congress of International Drug Discovery Science and Technology (IDDST) held at Osaka, Japan, 25-27 July **2017**.
- Participate in a Training Workshop entitled: "التخطيط الإستراتيجي : مفهومه وإطاره الإرشادي ومراحله المختلفة" held at Al- Zaytoonah University of Jordan, Amman, Jordan, 13 June **2017**.
- Participate as poster presentation in ASU- Pharmacy Third Conference and The Third Conference of the Association of Faculties of Pharmacy at Jordanian Universities entitled: "Recent Trends in Postgraduate Research" held at Faculty of Pharmacy, Applied Science University, Amman, Jordan, 15-16 April **2017**.
- Participate in a Training Workshop entitled: "معايير ISO 9001: 2015" held at Al- Zaytoonah University of Jordan, Amman, Jordan, 12-13 April **2017**.
- Participate in a 20 hours Training Workshop entitled: "ادارة الجودة الكاملة" Total Quality Management" held at Al- Zaytoonah University of Jordan, Amman, Jordan, 5-16 February **2017**.
- Participate in a Training Workshop entitled: "تصنيف الجامعات الأردنية" held at Al- Zaytoonah University of Jordan, Amman, Jordan, 1 February **2017**.
- Participate in The 3rd National Conference of Erasmus+ held at Le Royal Hotel, Amman, Jordan, 26 October **2016**.
- Participate in The 4th International Conference of the School of Pharmacy-The University of Jordan and The 2nd Conference of the

Association of Faculties of Pharmacy at Jordanian Universities entitled "Excellence in Pharmacy Education & Research: A Quality Approach" held at The University of Jordan, Amman, Jordan, 25-27 October **2016**.

- Participate in a Training Workshop entitled: "Bruker Biospin & Bruker Optics " held at Days Inn Hotel, Amman, Jordan, 20 October **2016**.
- Participate in a Training Workshop entitled: " أساسيات النظام الاحصائي SPSS واستخداماته في تحليل بيانات الدراسات العلمية " held at Al-Zaytoonah University of Jordan, Amman, Jordan, 26-29 September **2016**.
- Participate in a Quality Assurance Workshop entitled: " دليل القياس الصادر عن هيئة اعتماد مؤسسات التعليم العالي " held at Al- Zaytoonah University of Jordan, Amman, Jordan, 24 May **2016**.
- Participate in a Quality Assurance Workshop entitled: " التطبيق الخلاق لمعايير الاعتماد العام والاعتمادات الخاصة للتخصصات " held at Al-Zaytoonah University of Jordan, Amman, Jordan, 12 May **2016**.
- Participate in a Quality Assurance Workshop entitled: " القياس والفاعلية " held at Al- Zaytoonah University of Jordan, Amman, Jordan, 10 March **2016**.
- Participate as poster presentation in ASU Second Symposium "Recent Trends in Postgraduate Research" held at Faculty of Pharmacy, Applied Science University, Amman, Jordan, 5-6 December **2015**.
- Participate as Oral Presentation and Session Moderator in Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference 2015 (ZTIPC) held at Al-Zaytoonah University of Jordan, Amman, Jordan, 21-23 October **2015**.
- Participate in the Scientific Day of Faculty of Pharmacy entitled: "Pharmacy Sciences and Practice: An updated perspective" held at Faculty of Pharmacy, The University of Jordan, Amman, Jordan, 29 April **2015**.
- Participate as Oral Presentation in the First National Conference entitled: "Recent Trends in Postgraduate Research" held at Faculty of Pharmacy, Applied Science University, Amman, Jordan, 20-21 December **2014**.
- Participate as Oral Presentation in the Bilateral Research Workshop Between Faculty of Pharmacy, Al-Zaytoonah University of Jordan,

and Faculty of Pharmacy, University of Szeged, Hungary held at Al-Zaytoonah University of Jordan, Amman, Jordan, 21 October **2014**.

- Participate in the 6th Conference on Scientific Research in Jordan held at Al-Zaytoonah University of Jordan, Amman, Jordan, 23 November **2013**.
- Participate in a Workshop entitled "اعداد المقومين الخارجيين والزيارة الميدانية لاعتماد " البرنامج الأكاديمي " held at Al-Zaytoonah University of Jordan, Amman, Jordan, 2-4 November **2013**.
- Participate in a Workshop entitled "Computer-Aided Drug Design" held at Hamdi Mango Center for Scientific Research, University of Jordan, Amman, Jordan, 20 October **2013**.
- Participate as Session Moderator in the Scientific Day of Cancer held at Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman, Jordan, 15 May **2013**.
- Participate in a Workshop entitled "استخدام نظام Baldrige للتدقيق الداخلي" held at Al-Zaytoonah University of Jordan, Amman, Jordan, 4 April **2013**.
- Participate in a Workshop entitled "اعداد وثيقة التقويم الذاتي للبرامج الأكاديمية" held at Al-Zaytoonah University of Jordan, Amman, Jordan, 4 April **2013**.
- Participate in The 3rd International Arabic Conference of Quality Assurance in Higher Education held at Al-Zaytoonah University of Jordan, Amman, Jordan, 2-4 April **2013**.
- Participate in Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference 2012 (ZTIPC) held at Al-Zaytoonah University of Jordan, Amman, Jordan, 17-19 October **2012**.
- Participate in The 15th Scientific Congress of the Association of Pharmacy Colleges in the Arab World & The 3rd International Conference of the Faculty of Pharmacy/ The University of Jordan entitled as "RECENT TRENDS AND ADVANCES IN PHARMACY" held at University of Jordan, Amman, Jordan, 9-11 October **2012**.
- Participate in The National Day of Quality Measurement & Performance Appraisal (JAQM 2012, What can't be measured, can't be improved), Amman, Jordan, 7 May **2012**.
- Participate in the Scientific Day of Hamdi Mango Center for Scientific Research held at HMCSR/ University of Jordan, Amman, Jordan, 26 April **2012**.

- Participate as Oral Presentation in The International Conference of Young Chemists (ICYC) held at University of Jordan, Amman, Jordan, 8-10 April **2012**.
- Participate in The Regional Workshop on "A Holistic Approach to achieve Quality in Higher Education" held at Landmark Hotel - Amman, Jordan, 11-12 January **2012**.
- Participate in The Fifth Conference on Scientific Research in Jordan held at Landmark Hotel - Amman, Jordan, November **2011**.
- Participate as Session Moderator in The Jordanian International Pharmaceutical Conference 2010 (JIPC) held at Al- Zaytoonah University of Jordan, Amman, Jordan, 20-22 October **2010**.
- Participate as Oral Presentation in The Jordanian International Pharmaceutical Conference 2008 (JIPC) held at Al- Zaytoonah University of Jordan, Amman, Jordan, 15-17 October **2008**.
- Participate as Oral Presentation in The Jordanian International Pharmaceutical Conference 2006 (JIPC) held at Al- Zaytoonah University of Jordan, Amman, Jordan, 15-17 November **2006**.
- Participate in seminar introduced by WATERS CO. representative about " Method Validation in HPLC " , University of Jordan, Amman, Jordan, March **2002**.
- Participate in The 5th Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World & the 2nd International Conference of the Faculty of Pharmacy entitled as " New Millennium, New Horizons in Pharmaceutical Sciences " held at University of Jordan, Amman, Jordan, 16-18 October **2001**.
- Participate in a Scientific Day about " Clinical Pharmacy Practice " held at Al-Zaytoonah University of Jordan, Amman, Jordan, Nov. **1999**.
- Participate in a training course on using High Performance Liquid Chromatography/ UV/Gradient Elution Pump, at Pharmaceutical Research Unit, Royal Scientific Association, Amman, Jordan, one month **1998**.

Published Articles:

- Sabbah, D A, Al-Tarawneh F, Talib W, Sweidan K, Bardaweel S, Al-Shalabi E, Zhong H.A, Abu Sheikha G, **Abu Khalaf R**, Mubarak, M M. Benzoin Schiff Bases: Design, Synthesis, and Biological Evaluation as Potential Antitumor Agents. Submitted
- **Abu Khalaf R**, Sabbah D, Al-Shalabi E, Bishtawi S, Albadawi G, Abu Sheikha G. Synthesis, biological evaluation and molecular modeling study of substituted benzyl benzamides as CETP inhibitors. *Archiv der Pharmazie*, **2017**, In Press.
- Sabbah D, Hishmah B, Sweidan K, Bardaweel S, AlDamen M, Zhong H, **Abu Khalaf R**, Ibrahim A, Al-Qirim T, Abu Sheikha G, Mubarak M. Structure-Based Drug Design: Synthesis, X-Ray Crystallography, and Biological Evaluation of *N*-Substituted-4-Hydroxy-2-Quinolone-3-Carboxamides as Potential PI3Ka Inhibitors. *Anti-Cancer Agents in Medicinal Chemistry*, **2017**, In Press.
- **Abu Khalaf R**, Abd El-Aziz H, Sabbah D, Albadawi G, Abu Sheikha G. CETP Inhibitory Activity of Chlorobenzyl Benzamides: QPLD Docking, Pharmacophore Mapping, and Synthesis. *Letters in Drug Design & Discovery*, **2017**, 14 (12), 1391-1400.
- Hikmat S, Al-Qirim T, Alkabbani D, Shattat G, Abu Sheikha G, Sabbah D, **Abu khalaf R**, Al-hiari Y. Synthesis and *in vivo* anti-hyperlipidemic activity of novel *N*-benzoylphenyl-2-furamide derivatives in Wistar rats. *Tropical Journal of Pharmaceutical Research* **2017**, 16 (1): 193-201.
- **Abu Khalaf R**, Al-Rawashdeh S, Sabbah D, Abu Sheikha G. Molecular Docking and Pharmacophore Modeling Studies of Fluorinated Benzamides as Potential CETP Inhibitors. *Medicinal Chemistry* **2017**, 13 (3), 239-253.
- **Abu Khalaf R**. Exploring Natural Products as a Source for Antidiabetic Lead Compounds and Possible Lead Optimization. *Current Topics in Medicinal Chemistry* **2016**, 16 (23): 2549-2561.
- Shattat G, Abusheikha G, Al-Qirim T, Huwaitat R, El-Huneidi W, **Abu Khalaf R**, Al-Hiari Y, Jasim S, Hamadneh L. Novel Pyrrole Derivatives as Potent lipid-Lowering Agents in Triton-WR-1339-Induced Hyperlipidemic Rats. *Latin American Journal of Pharmacy* **2015**, 34 (6): 1258-1264.
- Sabbah D, Saada M, **Abu Khalaf R**, Bardaweel S, Sweidan K, Al-Qirim T, Al-Zughier A, Abdel Halim H, Abu Sheikha G. Molecular

modeling based approach, synthesis, and cytotoxic activity of novel benzoin derivatives targeting phosphoinositide 3-kinase (PI3K α). *Bioorganic & Medicinal Chemistry Letters* **2015**, 25 (16): 3120-3124.

- **Abu Khalaf R**, Jarekji Z, Al-Qirim T, Sabbah D, Shattat G. Pharmacophore modeling and molecular docking studies of acridines as potential DPP-IV inhibitors. *Canadian Journal of Chemistry* **2015**, 93 (7): 721-729.
- **Abu Khalaf R**, Abdula AM, Mubarak MS, Taha MO. Tryptophan and thiosemicarbazide derivatives: design, synthesis, and biological evaluation as potential β -D-galactosidase and β -D-glucosidase inhibitors. *Medicinal Chemistry Research* **2015**, 24 (6): 2529-2550.
- **Abu Khalaf R**, Abu Sheikha G, Al-Sha'er M, Taha M. Design, Synthesis and Biological Evaluation of N⁴-Sulfonamido-Succinamic, Phthalamic, Acrylic and Benzoyl Acetic Acid Derivatives as Potential DPP IV Inhibitors. *The Open Medicinal Chemistry Journal* **2013**, 7: 39-48.
- Al-Qirim T, Shattat G, Sweidan K, El-Huneidi W, Abu Sheikha G, **Abu Khalaf R**, Hikmat S. In Vivo Antihyperlipidemic Activity of New Series of N-(Benzoylphenyl) and N-(Acetylphenyl)-1-benzofuran-2-carboxamides in Rats. *Archiv der Pharmazie* **2012**, 345 (5): 401-406.
- **Abu Khalaf R**, Abu Sheikha G, Al-Sha'er M, Ghadeer Albadawi, Taha MO. Design, synthesis and biological evaluation of sulfonic acid ester and benzenesulfonamide derivatives as potential CETP inhibitors. *Medicinal Chemistry Research* **2012**, 21 (11): 3669-3680.
- Taha MO, Qandil AM, Al-Haraznah T, **Abu Khalaf R**, Zalloum H, Al-Bakri AG. Discovery of New Anti Fungal Leads via Pharmacophore Modeling and QSAR Analysis of Fungal N-Myristoyl Transferase Inhibitors followed by *In Silico* Screening. *Chemical Biology and Drug Design* **2011**, 78 (3): 391-407.
- **Abu Khalaf R**, Abdula AM, Mubarak MS, Taha MO. Discovery of New β -D-Glucosidase Inhibitors via Pharmacophore Modeling and QSAR Analysis Followed by In Silico Screening. *Journal of Molecular Modeling* **2011**, 17 (3): 443-464.
- Abdula AM, **Abu Khalaf R**, Mubarak MS, Taha MO. Discovery of New β -D-Galactosidase Inhibitors via Pharmacophore Modeling and QSAR Analysis Followed by In Silico Screening. *Journal of Computational Chemistry* **2011**, 32 (3): 463-482.
- Abu Sheikha G, **Abu Khalaf R**, Areej Melhem, Ghadeer Albadawi. Design, synthesis, and biological evaluation of new benzylamino-

methanone based cholesteryl ester transfer protein inhibitors. *Molecules* **2010**, 15 (8): 5721–5733.

- **Abu Khalaf R**, Abu Sheikha G, Bustanji Y, Taha MO. Discovery of new cholesteryl ester transfer protein inhibitors via ligand-based pharmacophore modeling and QSAR analysis followed by synthetic exploration. *European Journal of Medicinal Chemistry* **2010**, 45 (4): 1598–1617.

Published Abstracts:

- BIT's 15th Annual Congress of International Drug Discovery Science and Technology (IDDST), July 25-27, **2017**, Osaka, Japan. Oral Presentation: Fluorinated Benzamides: Molecular Docking and Pharmacophore Modeling Studies Targeting CETP Inhibition.

Reema Abu Khalaf, Sarah Al-Rawashdeh, Dima Sabbah, Ghassan Abu Sheikha

- Drug Discovery & Therapy World Congress, July 10-13, **2017**, Boston, MA, USA. Poster Presentation: CETP Inhibitory Activity of Chlorobenzyl Benzamides: QPLD Docking, Pharmacophore Mapping, and Synthesis.

Abd El-Aziz H, Abu Khalaf R, Sabbah D, Albadawi G, Abu Sheikha G.

- ASU-Pharmacy Third Symposium "Recent Trends in Postgraduate Research", April 15-16, **2017**, Amman, Jordan. Poster Presentation: N-Substituted-4-Hydroxy-2-Quinolone-3-Carboxamides as Potential PI3K α . The Poster is awarded the Third Place in Postgraduate Poster Competition.

Ameerah (Hasan Ibrahim), Bayan Hishmah, Dima A. Sabbah, Kamal Sweidan, Sanaa Bardaweel, Murad AlDamen, Reema Abu Khalaf, Haizhen A. Zhong, Tariq Al-Qirim, Ghassan Abu Sheikha

- Mammalian DNA Repair, Gordon Research Conference: Frontiers of Mammalian Genomic Stability in Human Health, February 19-24, **2017**, Ventura, CA, USA. Poster Presentation: Structure-Based Drug Design, Synthesis, X-ray Crystallography, and Biological Evaluation of N-Substituted-4-Hydroxy-2-Quinolone-3-Carboxamides as PI3K α Inhibitors.

Ghassan Abu Sheikha, Dima A. Sabbah, Bayan Hishmah, Kamal Sweidan, Sanaa Bardaweel, Murad AlDamen, Haizhen A. Zhong, Ameerah (Hasan Ibrahim), Reema Abu Khalaf, Tariq Al-Qirim

- The University of Jordan School of Pharmacy, The 4th international Conference & the 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities" Excellence in Pharmacy Education & Research: A Quality Approach", October 25-27, **2016**, Amman, Jordan. Poster Presentation: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Benzoin Analogues as Potential PI3K α Inhibitors.

*Dima A. Sabbah, Musaab Saada, **Reema Abu Khalaf**, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha*

- ASU-Pharmacy Second Symposium "Recent Trends in Postgraduate Research", December 5-6th 2015, Amman, Jordan. Poster Presentation: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Novel Benzoin Derivatives as anticancer agents.

*Musaab Saada, Dima A. Sabbah, **Reema Abu Khalaf**, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha*

- Al-Zaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference (ZTIPC 2015) "Frontiers in the pharmaceutical sciences and pharmacy practice: A global perspective", October 21-23, **2015**, Amman, Jordan. Oral Presentation: From Hit to Lead: Structure-Based Drug Design, Synthesis, and Biological Evaluation of Novel Benzoin Derivatives as PI3K α Inhibitors.

*Dima A. Sabbah, Musaab Saada, **Reema Abu Khalaf**, Sanaa Bardaweel, Kamal Sweidan, Tariq Al-Qirim, Amani Al-Zughier, Heba Abdel Halim, Ghassan Abu Sheikha*

- Computer Aided Drug Design: New Frontiers in computer-Aided Drug Design, July 19-24, **2015**, VT, USA. Poster Presentation: Design, Synthesis and Biological Evaluation of Novel PI3K α Inhibitors with Potential Anti-Cancer Activity.

*Ghassan Abu Sheikha, Dima A. Sabbah, **Reema Abu Khalaf**, Tariq Al-Qirim, Sanaa Bardaweel*

- Ligand Recognition & Molecular Gating: Structure and Dynamics of Ion Channels, G-Protein Coupled Receptors, and Solute Transportes, March 23-28, **2014**, Ventura, CA, USA. Poster Presentation: Design, Synthesis, and Biological Evaluation of a New Series of Potential CETP Inhibitors.

*Ghassan Abu Sheikha, **Reema Abu Khalaf**, Dima A. Sabbah*

- FloHet-2013 Florida Heterocyclic and Synthetic Conference, 3-6 March, **2013**, Gainesville, Florida, USA.
- International Symposia on Advancing the Chemical Sciences- Challenges in Organic Chemistry and Chemical Biology (ISACS7), 12-15 June **2012**, Edinburgh, UK.
- Participate as Oral Presentation in The International Conference of Young Chemists (ICYC), 8-10 April **2012**, held at University of Jordan, Amman, Jordan.
- Participate as Oral Presentation in The Jordanian International Pharmaceutical Conference 2008 (JIPC), 15-17 October **2008**, held at Al- Zaytoonah University of Jordan, Amman, Jordan.
- Participate as Oral Presentation in The Jordanian International Pharmaceutical Conference 2006 (JIPC) ,15-17 November **2006**, held at Al- Zaytoonah University of Jordan, Amman, Jordan.

Supervision and examination of postgraduate students in Pharmaceutical Sciences:

- Shorouq Al-Qazaqi (M.S), *Supervisor*. Synthesis and Biological Evaluation of sulfonamide derivatives as new DPPIV inhibitors, **2018**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Maram Abu Rezeq (M.S), *Supervisor*. Synthesis, spectroscopic characterization and biological evaluation of phenanthridine derivatives as potential DPP-IV inhibitors, **2018**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Hazar Ahmad Yousef (M.S), *Examiner*. Structure-based modeling to search for new anaplastic lymphoma kinase (ALK) inhibitors, **2017**. Faculty of Pharmacy/Applied Science University.
- Shaima'a Emad Hasan (M.S), *Supervisor*. Design, Synthesis, and Biological Evaluation of *N*-Substituted-4-Hydroxy-6-Methyl-2-Quinolone-3-Carboxamides as PI3K α Inhibitors, **2017**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Samer M. Abu-Joudah (M.S), *Examiner*. The use of structure-based modeling and *in vitro* assay for the exploration of new spleen tyrosine kinase inhibitors, **2017**. Faculty of Pharmacy/Applied Science University.

- Ala'a AbuRezeq (M.S), *Examiner*. Development and Optimization of Oleogels and Bigels as Topical Drug Delivery Systems for Periodontitis, **2017**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Haya Abu Jarad (M.S), *Supervisor*. Synthesis and Biological Evaluation of Piperazine Derivatives as DPP-IV Inhibitors, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Nisreen Sha'aban Hamadah (M.S), *Examiner*. Optimization of 4-hydroxy-2-quinolone-3-carboxamide core nucleus targeting PI3K α inhibition, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Haneen Muneer Abuzaid (M.S), *Examiner*. Design, Synthesis and *In Vivo* Biological Evaluation of Imidazole-5-Carboxamide Derivatives as Lipoprotein Lipase Activators, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Ameerah Said Hasan Ibrahim (M.S), *Examiner*. Optimization and Synthesis of Benzoin Derivatives as PI3K α Inhibitors, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Fatima Mahmoud Al-Tarawneh (M.S), *Examiner*. Design, Synthesis, and Biological Evaluation of Benzoin Schiff's Bases as Antitumor Agents, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Sajeda Ali Salah (M.S), *Examiner*. Discovery of new Gyrase B inhibitors via structure based modeling, **2016**. Faculty of Pharmacy/Applied Science University.
- Nisreen Nazmi "Haj Ahmad" (M.S), *Examiner*. Synthesis and Antihyperlipidemic Properties of Novel *N*-(4-Benzoylphenyl) Pyrrole-2-Carboxamide Derivatives, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Areej Khalil Nasserallah (M.S), *Supervisor*. Synthesis and Biological Evaluation of Benzylamino Benzamide Derivatives as Potential CETP Inhibitors, **2016**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Sarah Al-Rawashdeh (M.S), *Supervisor*. Fluorinated Benzamides: Design, Synthesis and Biological Evaluation as Potential CETP Inhibitors, **2015**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.

- Dalal Al-Masalha (M.S), *Supervisor*. Phenanthridines: Design, Synthesis and Biological Evaluation as Potential DPP-IV Inhibitors, **2015**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Musaab Saada (M.S), *Supervisor*. Pharmacophore-Based Screening and Identification of Novel Phosphoinosited 3-Kinase (PI3K α) Inhibitors, **2014**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Bayan Salah Hishmah (M.S), *Examiner*. Design, Synthesis and Biological Evaluation of Novel PI3K Alpha Inhibitors, **2014**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Hamadah Abd-ElAziz (M.S), *Supervisor*. Synthesis and biological evaluation of substituted fluorinated alkyloxy benzylamino benzenamide as potential CETP inhibitors, **2014**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Zainab Ali Jarekji (M.S), *Supervisor*. Design, Synthesis and Biological Evaluation of a New Series of Potential DPP IV Inhibitors, **2012**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.
- Mohammed Alhindi (M.S), *Supervisor*. Design, Synthesis and Biological Evaluation of a New Series of Potential CETP Inhibitors, **2012**. Faculty of Pharmacy/Al-Zaytoonah University of Jordan.

Grants:

- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2017-2019, (36,000 JD).
Project title: Design, Synthesis, and Biological Evaluation of a New Series of CETP Inhibitors.
- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2015-2016, (38,100 JD).
Project title: 3-Benzylamino-Benzamides: Design, Synthesis, and Biological Evaluation as Novel CETP Inhibitors.
- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2014-2016, (108,000 JD).
Project Title: Design, Synthesis, and Biological Evaluation of PI3Ks Inhibitors.
- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2012-2014, (130,000 JD).
Project Title: Design, synthesis and biological evaluation of a new series of potential CETP inhibitors.

- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2008-2011.
- Research funds supported by the Deanship of Scientific Research of University of Jordan from 2007-2009.

Practical Experience:

- Computer aided drug design, Pharmacophore modeling and QSAR analysis.
- Organic synthesis.
- Ultraviolet-Visible spectrophotometry, Infra-red spectroscopy, Mass spectroscopy and Nuclear Magnetic Resonance spectroscopy.

Statement of Research Interests:

- Medicinal Chemistry.
- Drug Design and Discovery.
- Organic Synthesis.
- Instrumental Analysis.

Personal Skills:

- Languages:
Native language: Arabic
Other languages: Excellent command of both written & spoken English.
- Good computer skills (Microsoft office & Internet).
- Relates excellently to a wide variety of types of people and enjoys socialization and mingling.

Scientific, Academic, and Administrative Activities:

- Reviewer and Referee for Medicinal Chemistry Research Journal.
- Reviewer and Referee for Molecules Journal.

- Reviewer and Referee for Journal of Molecular Graphics and Modelling.
- Reviewer and Referee for Letters in Drug Design & Discovery Journal.
- Reviewer and Referee for Journal of Modern Medicinal Chemistry.
- Reviewer and Referee for the Arabian Journal of Chemistry.
- Reviewer and Referee for Analytical Methods Journal.
- Reviewer and Referee for Medicinal Chemistry Journal.
- Reviewer and Referee for the Jordan Journal of Pharmaceutical Sciences.
- Reviewer and Referee for the World Journal of Microbiology and Biotechnology.
- Editorial board for the VRI Biological Medicinal Chemistry Journal.
- Membership in the following Committees:
 - University Academic Executive Quality Assurance Committee.
 - University Scientific Research Committee.
 - Faculty Quality Assurance Committee.
 - Faculty Scientific Research Committee.
 - Faculty Higher Education Committee
 - Faculty Council.
 - Department Council.
- Member of Jordan Pharmaceutical Association since July, 1994. Amman-Jordan ☎ 5665320
- Hold Jordanian Pharmacy Practice issued by Ministry of Health, July, 1994. Amman-Jordan.

Awards:

Distinguished Researcher Award at Al-Zaytoonah University of Jordan in 19th October 2012.