

# *Curriculum vitae*

## Personal Information:

- Name: **Reema AbdelKareem Abu Khalaf**
- Place of birth: Amman – Jordan
- Date of birth: September 21<sup>st</sup> 1972
- Nationality: Jordanian
- Profession: Assistant Professor at Faculty of Pharmacy
- Marital status: Married
- Address: al-rabeyeh / Amman  
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Jordan
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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:

2011- up to date: **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 the 6<sup>th</sup> 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 3<sup>rd</sup> 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 15<sup>th</sup> Scientific Congress of the Association of Pharmacy Colleges in the Arab World & The 3<sup>rd</sup> 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 5<sup>th</sup> Scientific Congress of the Association of the Colleges of Pharmacy in the Arab World & the 2<sup>nd</sup> 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**.

### Publications:

- **Reema Abu Khalaf**, Ghassan Abu Sheikha, Mahmoud Al-Sha'er, Mutasem Taha. Design, Synthesis and Biological Evaluation of N<sup>4</sup>-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, DOI: 10.1002/ardp.201100225.
- **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, DOI:10.1007/s00044-011-9917-5.
- 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: 391–407.
- **Abu Khalaf R**, Abdula AM, Mubarak MS, Taha MO. Discovery of New  $\beta$ -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  $\beta$ -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: 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: 1598–1617.

### Grants:

- Research funds supported by the Deanship of Scientific Research of Al-Zaytoonah University of Jordan from 2012-2014.

- 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:

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

### Statement of Research Interests:

- Interested in Medicinal Chemistry, Drug Design and Discovery.

### Personal Skills:

- Languages:  
Native language: Arabic  
Other languages: Very good 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 International Journal.
- Reviewer and Referee for Molecules International Journal.
- Membership in the following Committees:
  - University Academic Executive Quality Assurance Committee.
  - Faculty Quality Assurance Committee.
  - Faculty Scientific Research 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 19<sup>th</sup> October 2012.