

Curriculum Vitae



Dr. Haitham K. AlRabiah

Assistant Professor

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Personal Information:

Date of Birth:	16/07/1981
Place of Birth:	Los Angeles, USA.
Nationality:	Saudi
Marital Status:	Married

Education Background:

- (2010-2014) **Ph.D.** in pharmaceutical chemistry at Manchester Institute of Biotechnology (MIB), University of Manchester, United Kingdom.

Thesis Title: “Advanced metabolomics for the discrimination of uropathogenic *Escherichia coli* and their response to antibiotics”.

- (2007-2008) **M.Sc. (with distinction)** of pharmaceutical analysis at University of Strathclyde, United Kingdom.

Thesis Title: “Metabolomics of Leishmania using LTQ Orbitrap”.

- (1999-2005) **Bachelor** of Pharmaceutical Sciences (B.Pharm.) at College of Pharmacy, King Saud University, Saudi Arabia.

Employment History and Professional experience:

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|-------------|---|
| (2015-) | Vice Dean of Graduate studies and Research, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. |
| (2015-) | Secretary, Pharmacy College Council, King Saud University, Riyadh, Saudi Arabia. |
| (2015-) | Consultant, King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia. |
| (2014-2015) | Member, Board of the research Centre, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. |
| (2014-2015) | Adjunct Researcher, King Abdullah Institute for Nanotechnology (KAIN), King Saud University, Riyadh, Saudi Arabia. |
| (2014-) | Assistant Professor, Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia. |

- (2008-2014) Lecturer, Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- (2006-2008) Teaching Assistant, Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- (2005-2006) Patent researcher and examiner at the Patent Office of the Cooperation Council for the Arab States of the Gulf (GCC).

Participation in Committees and Societies

1. 2016- Chairmen, Quality assurance and monitoring committee, MERS-CoV Research Grant Program, King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia
1. 2015-2016 Chairmen, Scientific communications committee in the Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
2. 2014-2015 Member, Permanent Committee for studying the eligibility of paying uniqueness, training and supervisory allowances for health practitioners, King Saud University, Riyadh, Saudi Arabia
3. 2014- Member, Committee of Graduate studies, Department of Pharmaceutical Chemistry at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
4. 2014- Member, Committee of syllabus and course development, Department of Pharmaceutical Chemistry at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
5. 2014- Member, Committee of Interviewing for the candidates and scholarships, Department of Pharmaceutical Chemistry at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
6. 2011 Member of the Royal Society of chemistry, London, United Kingdom.
7. 2010 Member of the Metabolomics Society.

8. 2002- Member of the Saudi Pharmaceutical Society, Riyadh, Saudi Arabia.

Professional Training:

(2016): workshop (The Essential Academic Leader), Academic Leadership Center, Ministry of Education, Saudi Arabia.

(2016): workshop (Microteaching), Deanship of Skills and Development, King Saud University, Saudi Arabia.

(2016): workshop (Course assessment), Deanship of Skills and Development, King Saud University, Saudi Arabia.

(2015): workshop (Effective teaching), Deanship of Skills and Development, King Saud University, Saudi Arabia.

(2015): workshop (Course design), Deanship of Skills and Development, King Saud University, Saudi Arabia.

(2014): workshop (Viva Survivor), University of Manchester, United Kingdom.

(2013): workshop (Leadership & Team Development), University of Manchester, United Kingdom.

(2013): workshop (Designing research and getting it funded), University of Manchester, United Kingdom.

(2013): workshop (How to Secure a Fellowship), University of Manchester, United Kingdom.

(2012): workshop (Effective Communication Skills), University of Manchester, United Kingdom.

(2012): workshop (Importance of Networking and Collaboration), University of Manchester, United Kingdom.

(2012): workshop (Getting the most out of research conferences: poster preparation, chairing, judging, and networking), University of Manchester, United Kingdom.

(2011): workshop (In the Home Stretch: Preparation of a High Quality PhD Thesis), University of Manchester, United Kingdom.

(2011): workshop (Approaches to Teaching 2 : Handling small groups), University of Manchester, United Kingdom.

(2010): workshop (Mass Spectrometry: identification and quantification strategies), Metabolomics 2010, the Netherlands.

(2010): workshop (Biostatistics, chemometrics and bioinformatics), Metabolomics 2010, the Netherlands.

(2010): workshop (Databases & Standards Discussion session), Metabolomics 2010, the Netherlands.

(2010): workshop (Metabolomics & Future of Health System), Metabolomics 2010, the Netherlands.

(2010): workshop (Academic writing), University of Manchester, United Kingdom.

(2010): workshop (Speed PhD), University of Manchester, United Kingdom.

(2005): pharmacist Trainee, Dallah Hospital, Riyadh, Saudi Arabia

List of Publications (*Selective Refereed Peer Reviewed Journal Publications*)

1. **AlRabiah, H**, AL-Majed, A., Abounassif, M., & Mostafa, G. A. (2016). Ionophore-based potentiometric PVC membrane sensors for determination of phenobarbitone in its pharmaceutical formulations. *Acta pharmaceutica*, 66(4), 503-514.
2. AlMasoud N, Xu Y, Trivedi DK, Salivo S, Abban T, Rattray NJ, Szula E, **AlRabiah H**, Sayqal A, Goodacre R (2016). Classification of *Bacillus* and *Brevibacillus* species using rapid analysis of lipids by mass spectrometry. *Analytical and Bioanalytical Chemistry* (7)1-4.

3. Ghabbour, H. A., Abdel-Aziz, H. A., **AlRabiah, H.**, & Alruqi, O. S. (2016). Crystal structure of 4, 5-diphenylthiazol-2-amine, C₁₅H₁₂N₂S. *Zeitschrift für Kristallographie-New Crystal Structures*, 231(3), 861-862.
 4. Wani, TA., and **AlRabiah, H.** "Quantitative Determination of Gefitinib by Ultraperformance Liquid Chromatography Tandem Mass Spectrometry in Human Plasma.(2015). *Latin American Journal of Pharmacy* 34(10), 2048-2053.
 5. Aljohar, H. I., Ghabbour, H. A., Al-Tamimi, A. M. S., **AlRabiah, H.**, & El-Emam, A. A. (2016). Crystal structure of 4-[(E)-(2-chloro-6-fluorobenzylidene) amino]-1, 2-dihydro-2, 3-dimethyl-1-phenylpyrazol-5-one, C₁₈H₁₅ClFN₃O. *Zeitschrift für Kristallographie-New Crystal Structures*, 231(3), 777-780.
 6. Alanazi, A., Abounassif, M., **AlRabiah, H.**, & Mostafa, G. A. H. (2016). Development of Two Charge-Transfer Complex Spectrophotometric Methods for Determination of Tofisopam in Tablet Dosage Form. *Tropical Journal of Pharmaceutical Research*, 15(1), 149-155.
 7. Muhamadali H, Xu Y, Ellis DI, Allwood JW, Rattray NJW, Correa E, **AlRabiah H**, Lloyd JR, Goodacre R. (2015). Metabolic profiling of *Geobacter sulfurreducens* during industrial bioprocess scale-Up. *Applied Environmental Microbiology*, 81 (10), 3288-3298.
 8. Al-Omary, F. A., **AlRabiah, H.**, Ghabbour, H. A., Quah, C. K., Fun, H. K., & El-Emam, A. A. (2015). Crystal structure of 3-{{[4-(4-fluorophenyl) piperazin-1-yl] methyl}-5-(thiophen-2-yl)-2, 3-dihydro-1, 3, 4-oxadiazole-2-thione, C₁₇H₁₇FN₄OS₂. *Zeitschrift für Kristallographie-New Crystal Structures*, 230(3), 267-268.
 9. Allwood, J. W.*, **AlRabiah, H.***, Correa, E., Vaughan, A., Xu, Y., Upton, M., & Goodacre, R. (2015). A workflow for bacterial metabolic fingerprinting and lipid profiling: application to Ciprofloxacin challenged *Escherichia coli*. *Metabolomics*, 11 11 (2), 438-453.
- *J. William Allwood and Haitham AlRabiah have contributed equally to this publication.*
10. **AlRabiah, H.**, Xu, Y., Rattray, N. J., Vaughan, A. A., Gibreel, T., Sayqal, A., & Goodacre, R. (2014). Multiple metabolomics of uropathogenic *E. coli* reveal different information content in terms of metabolic potential compared to virulence factors. *Analyst*, 139 (17), 4193-4199.

Graphical abstract of this publication has been chosen as on the inside front cover of Analyst journal issue 17.

11. Dawson, S.E., Gibreel, T., Nicolaou, N., **AlRabiah, H.**, Xu, Y., Goodacre, R. and Upton, M. (2014) Implementation of Fourier transform infrared spectroscopy for the rapid typing of uropathogenic *Escherichia coli*. *European Journal of Clinical Microbiology & Infectious Diseases* 33(6), 983-988.
12. **AlRabiah, H.**, Correa, E., Upton, M., & Goodacre, R. (2013). High-throughput phenotyping of uropathogenic *E. coli* isolates with Fourier transform infrared spectroscopy. *Analyst*, 138(5), 1363-1369.

Podium Talks

(2015): Metabolomics based approach to discriminate between uropathogenic *E. coli* isolates, Biotech Japan 2015, 14th International Bio Technology Exhibition and conference, Tokyo, Japan. <https://may2015.tems-system.com/exhiSearch/BIO/eng/DetailsForAD?id=FBL0%2Bnf1fh4%3D&type=3>

(2013): Does Antibiotic Ionisation Status Affect the Microbial Metabolome: An Investigation into *Escherichia Coli* K12 challenged with Trimethoprim at Varying pH, Metabolomics 2013, Glasgow, United Kingdom.

(2012): Predicting the Mode-of-action of Antibiotics Using Metabolomics and Machine Learning, University of Manchester, United Kingdom.

(2007): Metabolomics of *Leishmania* using LTQ Orbitrap, University of Strathclyde, United Kingdom.

(2005): Peptic Ulcer disease, Dallah Hospital, Riyadh, Saudi Arabia.

(2004): Diabetes Mellitus (case discussion), King Saud University, Riyadh, Saudi Arabia.

(2004): Penicillinase-resistant penicillins, King Saud University, Riyadh, Saudi Arabia.

(2003): Griseofulvin (drug profile), King Saud University, Riyadh, Saudi Arabia.

(2002): Apomorphine (drug profile), King Saud University, Riyadh, Saudi Arabia.

Abstracts and Posters:

(2012): Does Antibiotic Ionisation Status Affect the Microbial Metabolome: An Investigation into *Escherichia Coli* K12 challenged with Trimethoprim at Varying pH, Metabomeeting 2012, Manchester, United Kingdom.

(2015): Metabolomics based approach to discriminate between uropathogenic *E. coli* isolates, Biotech Japan 2015, 14th International Bio Technology Exhibition and conference, Tokyo, Japan. <https://may2015.tems-system.com/exhiSearch/BIO/eng/DetailsForAD?id=FBL0%2Bnf1fh4%3D&type=3>

Scholarships and Awards:

(2014) Honor board of the Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(<http://www.uksacb.org/awards/%D9%87%D9%8A%D8%AB%D9%85-%D8%A8%D9%86-%D8%AE%D8%A7%D9%84%D8%AF-%D9%85%D8%AD%D9%85%D8%AF-%D8%A7%D9%84%D8%B1%D8%A8%D9%8A%D8%B9%D8%A9>)

(2013) Scientific Distinction Award, Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(2012) Scientific Distinction Award, Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(2011) Scientific Distinction Award, Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(2010) Scientific Distinction Award, Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(2010) PhD Scholarship from King Saud University, Riyadh, Saudi Arabia.

(2008) Scientific Distinction Award, Saudi Cultural Bureau in United Kingdom and Ireland, London, United Kingdom.

(2007) MSc. Scholarship from King Saud University, Riyadh, Saudi Arabia.

Teaching Courses:

Teaching B.Sc. and MSc Degrees Courses

PHC Code	Description	Credit Hours	Teaching Stages
PHC 213	Pharmaceutical Analytical Chemistry	3	B.Sc.
PHC 427	Pharmaceutical Instrumental Analysis	4	B.Sc.
PHC 592	Seminar (Analytical profiling)	1	M.Sc.

Underway Research Projects:

1. 2015- *“Excellence in Pharmaceutical Researches and their Applications”*, King Saud University, Riyadh, Saudi Arabia.
2. 2015- *“Development of Novel Nano-Formulations to Combat MRSA infection”*, King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia.
3. 2015- *“Early Cancer Detection with Laser (ECDL)”*, research cooperation between King Saud University at Riyadh , Saudi Arabia, and Max Planck Institute of Quantum Optics, Garching, Germany

Student Supervision:

PhD Supervision:

1. 2015- Raniah Alshalabi, (co-supervision with Prof. Mohamed M. Hefnawy and Dr. Haya Aljohar), project entitled *“Development of greening liquid chromatography assays for the quantification of some antidepressant drugs in biological fluids”*.
2. 2016- Mohammed Hamidaddin, (co-supervision with Prof. Ibrahim Darwish), project entitled *“Development of immunosensors for*

therapeutic monitoring of new drugs used for treatment of lung cancer”.

3. 2016- Nasser Algrain, (co-supervision with Prof. Mohamed M. Hefnawy), project entitled “*Stereoselective separation and quantification of some racemic cardiovascular drugs using HPLC and newly developed derivatized cyclofructan chiral stationary phases*”.