



INFO

Date of Birth: 16/07/1981

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Marital Status: Married

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Dr. Haitham K. AlRabiah

Assistant Professor

WORK EXPERIENCE

2017-Present

Consultant, National Center for Technology Forecasting (NCTF), King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia.

2017

Consultant, Riyadh Valley Company (RVC), King Saud University, Riyadh, Saudi Arabia.

Oct. 2016-Mar. 2017

Interim Dean, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

2015-Present

Vice Dean of Graduate studies and Research, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

2015-Present

Secretary, Pharmacy College Council, King Saud University, Riyadh, Saudi Arabia.

2015-Present

Consultant, Life Science & Environment Research Institute, King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia.

2014-2015

Adjunct Researcher, King Abdullah Institute for Nanotechnology (KAIN), King Saud University, Riyadh, Saudi Arabia.

2014-Present

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).

EDUCATION

2010-2014 Doctor of Philosophy

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 Master of Science

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 Science

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

COUNCILS

2017-Present

Charmin, Postgraduate Student Council, college of Pharmacy, King Saud university, Riyadh, Saudi Arabia

2016-2017

Member, King Saud University Council, Riyadh, Saudi Arabia

2014-2015

Member, Research Centre council, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

2014-Present

Member, Department of Pharmaceutical Chemistry Council, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

COMMITTEES

2017-Present

Member, The Supervising committee for small research proposal funding initiative, Prince Naif Bin Abdul-Aziz Health Research Center, King Saud university, Riyadh, Saudi Arabia

2017-Present

Member, Standing supervision committee of Riyadh Techno Valley (RTV), King Saud University, Riyadh, Saudi Arabia

2015-2016

Chairmen, Scientific communications committee in the Department of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia

2015

Member, Standing Committee for studying the eligibility of paying uniqueness, training and supervisory allowances for health practitioners, King Saud University, Riyadh, Saudi Arabia

2014-Present

Member, Committee of Graduate studies, Department of Pharmaceutical Chemistry at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia

2014- Present

Member, Committee of syllabus and course development, Department of Pharmaceutical Chemistry at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia

2014-Present

Member, Committee of Interviewing for the candidates and scholarships, Department of Pharmaceutical Chemistry, at College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

SOCIETIES

2011

Member of the Royal Society of chemistry, London, United Kingdom.

2010-2015

Member of the Metabolomics Society.

2002-Present

Member of the Saudi Pharmaceutical Society, Riyadh, Saudi Arabia.

PROFESSIONAL TRAINING

2017

International Summer Sessions in Metabolomics 2017, NIH: West Coast Metabolomics Center, University of California, Davis, United States of America

2017

workshop (The Essential Academic Leader- Health Sector), College of Medicine, Riyadh, King Saud University, Saudi Arabia.

2016

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

2016

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

2016

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

2015

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

2015

workshop (Course design), Deanship of Skills and Development, King Saud University, Riyadh, 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

PUBLICATIONS

(SELECTIVE REFEREED PEER REVIEWED JOURNAL PUBLICATIONS)

- AlRabiah, H., Muthu, S., Al-Omary, F., Al-Tamimi, A. M., Raja, M., Muhamed, R. R., & El-Emam, A. A. R. (2017). Molecular structure, vibrational spectra, NBO, Fukui function, HOMO-LUMO analysis and molecular docking study of 6-[(2-methylphenyl) sulfanyl]-5-propylpyrimidine-2, 4 (1H, 3H)-dione. *Macedonian Journal of Chemistry and Chemical Engineering*, 36(1), 59-80.
- Almalik, A., Benabdelkamel, H., Masood, A., Alanazi, I. O., Alradwan, I., Majrashi, M. A., Alfadda A.A., Alghamdi, W.A., Alrabiah, H., Tirelli, N., Alhasan, A.H. (2017). Hyaluronic Acid Coated Chitosan Nanoparticles Reduced the Immunogenicity of the Formed Protein Corona. *Scientific Reports*, 7.
- AA Al-Majed, AHH Bakheit, HAA Aziz, FM Alajmi, H AlRabiah, Chapter six Propanolol, Profiles of Drug Substances, Excipients and Related Methodology 42,(1) 287-338
- 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.

- 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.
 - 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.
 - Wani, TA., and AlRabiah, H. "Quantitative Determination of Gefitinib by Ultrapformance Liquid Chromatography Tandem Mass Spectrometry in Human Plasma.(2015). *Latin American Journal of Pharmacy* 34(10), 2048-2053.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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 (2), 438-453.
- *J. William Allwood and Haitham AlRabiah have contributed equally to this publication.*
- 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.*
- 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.
 - 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

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.terms-system.com/exhiSearch/BIO/eng/DetailsForAD?id=FBL0%2Bnf1fh4%3D&type=3>

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.

SCHOLARSHIPS AND AWARDS

2015

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 ACTIVITIES

Teaching B.Sc. and MSc Degrees Courses

Code	Course	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

2015-Present

"Excellence in Pharmaceutical Researches and their Applications", King Saud University, Riyadh, Saudi Arabia.

2015-Present

"Development of Novel Nano-Formulations to Combat MRSA infection", King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia.

2015-Present

"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:

2015-Present

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"*.

2016-Present

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"*.

2016-Present

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