

Curriculum Vitae

Afrah Mohammed Hassan Salman

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EDUCATION:

- Ph.D. Biomedical sciences/ Microbiology-Molecular Genetics, Reading University, UK.
- M.Sc.: Microbiology
- B.Sc. Biology

Current position:

Lecturer at the Department of Pharmacology and Toxicology, College of Pharmacy, Mustansiriyah University.

Skills and expertise acquired:

- DNA extraction (chromosomal and plasmid DNA); Bacterial transformation; P1 Transduction; Cloning; PCR; Agarose gel electrophoresis; SDS-PAGE; Western Blot Analysis; Protein overexpression and purification; Immunoprecipitation; Mutagenesis; Molecular Genetic analysis; Sequences Alignment analysis using CLC Genomic Workbench using standard parameters.

ACADEMIC /TEACHING EXPERIENCE:

- Practical demonstrating on Bacteriology and Virology module in School of Biological Sciences, University of Reading, UK. Spring term 2015 and 2016.
- Practical demonstrating on Introductory Microbiology module in School of Biological Sciences, University of Reading, UK. Winter term 2015.
- Lecturer at Department of clinical laboratory sciences, Collage of Pharmacy, Mustansiriyah University, Iraq. (2004-October 2013).
- Lecturer at Department of Pharmacology and Toxicology, Collage of Pharmacy, Mustansiriyah University, Iraq 2018.

COURSES TAUGHT:

Undergraduate	Graduate
Pharmaceutical Microbiology, Biotechnology, Histology, Medical Terminology English	Seminar for M.Sc students , Separation techniques (PhD) Research Methodology (M S. c.)

PROFESSIONAL AFFILIATIONS:

- Director of the postgraduate research laboratory in the Department of Pharmacology and Toxicology, Collage of Pharmacy, Mustansiriyah University (2020) and (2021).

- Director of International Ranking of Mustansiriyah University, Quality Assurance & University Performance Department (2020).
- PhD 2018
- Lecturer 2011
- Examination committee member Collage of Pharmacy, Mustansiriyah University 2006
- Microbiology Society member since 2015. www.microbiologysociety.org

PUBLICATIONS:

1. Shrooq R. Kadhim, Afrah M. Hassan, Duaa S. Shoukat. Antimicrobial Susceptibility patterns against *Escherichia coli* and prevalence of extended –spectrum β -lactamases. *Karbala J. Med.* Vol.4, No. 1, 2, Jun, 2011.
2. Ban A. Abdul Sattar, Duaa S. Shawket and Afrah Mohammed Hassan Salman. Studying the antibiotic sensitivity test of *Lactobacillus* on two different media *Al-Mustansiriyah Journal of Pharmaceutical Sciences.* , Vol.9, No.1, 2011.
3. Afrah Mohammed Hassan Salman. Study the antibiotic susceptibility pattern of *Pseudomonas aeruginosa* isolated from hospital infection. *Al-Mustansiriyah Journal of Pharmaceutical Sciences*, Vol.10, No.2, 2011.
4. Ahmed A. M. AL-Azzaui and Afrah Mohammed Hassan Salman. The beetroot juice as a bacterial growth and maintenance medium for pathogenic bacteria. *Iraqi Journal of Market Research and Consumer Protection*, Vol. 3, No. 5, 2011.
5. Rafah F. AL-Smaisim, Ayad M.R, Raauf, Afrah Mohammed Hassan Salman . Synthetic Characterization and Antimicrobial Activity of some New 2- Mercaptothiazol Heterocyclic Derivatives. *Medical Journal of Babylon –Vol.7 –No.4-3. 2010.*
6. Salman, A., & Andrews, S. (2017, August). THE ROLES OF THE THREE IRON-STORAGE PROTEINS OF *ESCHERICHIA COLI* IN SUPPORTING LOW-IRON GROWTH AND REDOX STRESS RESISTANCE. In *AMERICAN JOURNAL OF HEMATOLOGY* (Vol. 92, No. 8, pp. E309-E309). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
7. Afrah M.H. S., Duaa S. S. Frequency of extended Spectrum β - Lactamase (ESBLs) producing *Klebsiella* isolates among multi-drug resistant, causing infections in AL-Kindy hospital in Baghdad/Iraq. *Al-yarmouk Journal* 1 (1). 25-45. (2014).
8. Salman A M H; Al-Zubaidi M A; Abdul kaleq M A. Using Fourier transform infrared (FTIR) spectroscopy coupled with multivariate analysis to diagnose polycystic ovary syndrome (PCOS). *Systematic Reviews in Pharmacy.* 2020 Apr 1;11(4).
9. Al-Zubaidi M A; Salman A M; Mohsin R A; Abdul kaleq M A. Diagnosis of patients with Hypothyroidism Using Spectrochemical Analysis of Blood Sera. *Prensa Med Argent.* 2019; 105:6.
10. Salman, Afrah. "A New Pandemic Coronavirus COVID-19 Evolutionary Relation, Transmission, Infectivity and Immunity." *Al-Nahrain Journal of Science* 5 (2021): 1-5.
11. Hasan, H.A., Salman, A. and Abdulmalek, E., 2021. Anticancer Activity and High Content Screening of New 6-Substituted-5, 6-dihydrobenzo [4, 5] imidazo [1, 2-c] quinazoline Derivatives. *Research Journal of Pharmacy and Technology*, 14(5), pp.2397-2405.

PROFESSIONAL DEVELOPMENT

Date	Name of Instruction or Organization and Address
8, 9 and 29 February 2016	The Graduate School & Henley Business School Leadership Programme 2016. University of Reading, UK.
28 th January 2016	Preparing to teach programme: Undergraduate Dissertation support In University of Reading, UK., UK.
Tuesday November 17 th 2015	Electron Microscopy Workshop – Sample preparation (SEM) in University of Reading, UK.
4-6th November 2015	Preparing to teach programme: Introduction to teaching and Learning 4th November 2015. Marking and feedback 4th November 2015. Small group teaching 5th November 2015. Laboratory demonstrating & leading small groups 5th November 2015. Large group presentation skills 6th November 2015. Project Supervision 6th November 2015 In University of Reading, UK.
8-5-2005 to 15-5-2005	Training course in PCR genetic engineering and biotechnology institute for post graduate studies University of Baghdad
2005	Training course in diagnosis of AFB in body fluids Sponsored by WHO, Baghdad, IRAQ.

Conferences (the list below for only the conference out of Iraq)

Conferences	Place
Doctoral Research Conference 2015/06/18.	University of Reading, UK.
Microbiology Society Annual Conference 21-24 of March 2016.	ACC, Liverpool, UK.
Doctoral Research Conference 2016-06-23.	University of Reading, UK.
The First (ICSCR) Iraqi Cultural and Scientific Conference at Reading 2016 Friday 15th July, 2016. (Organizer Member in the conference).	University of Reading, UK.
The Microbiology Research Day 18 th August 2016. [Participate in talk presentation for my work project in title (Mechanisms of iron storage in <i>Escherichia coli</i>)].	University of Reading, UK.
The Seventh Congress of the international BioIron Society conference (May 7-11, 2017). Presenting research work in poster.	The UCLA Luskin Conference Center in Los Angeles, CA, USA.
Microbiology Society Annual Conference (March 2017). Presenting research work in poster. “ the role of the three iron-storage proteins of <i>Escherichia coli</i> in supporting low-iron growth and redox stress resistance”.	Edinburgh, UK.

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الشهادات الدراسية

بكلوريوس علوم حياة / كلية العلوم / الجامعة المستنصرية
ماجستير احياء مجهرية طبية /كلية العلوم /الجامعة المستنصرية 2002
دكتوراه وراثه جزيئية /فرع العلوم الطبية /جامعة ردينك / المملكة المتحدة 2018

التكريم الاكاديمي

شهادة تقديرية و كتاب شكر من الملحق الثقافي العراقي في لندن
شهادة تقديرية و كتاب شكر من رئيس جامعة واسط
عدد من كتب الشكر و التقدير من وزير التعليم العالي
عدد من كتب الشكر و التقدير من رئيس الجامعة
عدد من كتب الشكر و التقدير من السيد عميد كلية الصيدلة

الخبرة الاكاديمية و التدريس

- تدريسي في فرع العلوم المختبرية و السريرية (2004-2013)
- تدريسي(مدرس دكتور) في فرع الادوية و السموم (2018-current)

المقررات الدراسية التي تم تدريسها

الدراسات الاولى	الدراسات العليا
Pharmaceutical Microbiology, Biotechnology, Histology, Medical Terminology English	Seminar for M.Sc students , Separation techniques (PhD) Research Methodology (M S. c.)