

Academic Portfolio & C.V.



Personal Details	
Forename:	Assist. Prof. Dr. Mahde Saleh Abdulrahman
Surname:	Assafi
Place of birth:	Duhok - Iraq
Nationality:	Iraqi
Sex:	Male
Date of Academic Employment:	1/9/2004 (Duhok University)
Academic States:	PhD. Microbiology/Biotechnology
Board Specialization:	Microbiology, Molecular bacteriology
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Research Interests:	Molecular microbiology Bacteriology, Medical bacteriology, infectious disease
Google Scholar :	https://scholar.google.com/citations?hl=en&user=XY3ZCtAAAAAJ
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Education record

University and location	Degree	Year	Study fields
University of Nottingham, United Kingdom	PhD	2012	Microbiology
University of Mosul, Iraq	MSc	2004	Biotechnology
University of Mosul, Iraq	BSc	2001	Biology
Al-Markazyia Secondary school (High School), Mosul Iraq	High School Diploma	1996	Scientific section

Place of Employment

2004-2007	Lecturer and Deputy Head of Biology Dept. School of Science / Duhok University, Kurdistan region-Iraq
2008-2017	Lecturer and researcher at Biology Dept. School of Science / Zakho University, Kurdistan region-Iraq
2020-present	Head of Biology Dept. School of Science / Duhok University, Kurdistan region-Iraq

Qualification:

Degrees and academic distinctions	Main Subject	University	Country	College	Years attended	
					From	To
BSc (Good;75.05)	Biology	Mosul	Iraq	Education	1998	2001
MSc. (V.good;81.7)	Biotechnology	Mosul	Iraq	Education	2002	2004
PhD.	Microbiology (Biotechnology)	Nottingham	UK	Molecular Medical Sciences	2009	2012
MSc. Thesis title:- Isolation & diagnosis of the bacteria Salmonella from clinical specimens in human & study the possibility of generation mutation by the effect of gamma rays in the genes conferring antibiotic resistance & those responsible for creating growth factor” (15/4/2004)						
PhD. Thesis title:- Molecular Analysis of the Role of <i>Haemophilus influenza</i> Porin P2 in Host-pathogen Interactions. (11/12/2012)						

Scientific titles

Titles	Date		
	Day	Month	Year
Assistant Lecturer	15	3	2005
Lecturer	15	1	2013
Assistant Professor	3	10	2016

Work experience

From – To	Work Experience
2004-2007	Member and lecturer at the University of Dohuk
2005-2007	Head deputy (Reporter) of the head of biology department
2008-2017	Member and lecturer at the University of Zakho, Kurdistan region, Iraq.
2009-2012	(PhD student) Intensive researches at School of Molecular Medical Sciences at Nottingham/UK as a part of PhD degree
2013-present	Member of journal publication committee of 1 st international conference of Zakho university
2009-present	Member of American Society of Microbiology (ASM)
2/8/ 2013- 30/7/2014	(Representer) Selected as American Society of Microbiology (ASM) Young Ambassador to Iraq
29/7 to 6/9/ 2014	Completed the Fulbright scholarship program to University of Central Oklahoma / USA
2014-present	High development committee member at the University of Zakho, Kurdistan region, Iraq.
2013-2016	Member of the scientific degree award at the University of Zakho.

2014-2016	Member of the Higher Development Committee (HDC) at the Zakho University.
2016-2017	Member of proposals evaluations committee at the Zakho University.
2017-present	Section editor of Science Journal of university of Zakho
2017-present	Member and lecturer at the University of Duhok, Kurdistan region, Iraq.
2018-present	Scientific committee member at Bio. Dept., University of Duhok
2018	Member of the Technical program Committee of the international conference on Advanced science and Engineering 2018(ICOASE 2018) at University of Zakho/Iraq
2018	Member of the program Committee of the International Conference on Science and Technology ICST-18 at University of Duhok/Iraq
2018	Director of health and safety office at college of science, university of Duhok
2019	Director of examination committee of Biology department, college of science, university of Duhok
2020	Head of Biology Dept. School of Science / Duhok University , Kurdistan region- Iraq

Conferences & Symposiums and meetings:

	Conference	Place	Period	Year
1	Society of General Microbiology conference (SGM).	Yorkshire/ UK.	30 Mrch - 2 April	2009
2	112th American Society of Microbiology conference (ASM).	Louisiana/ UAS	21-24 May	2011
3	Organizing an ASM virtual workshop on scier writing and publishing, by Dr. Larry University of Mississippi Medical Center	University of Zakho/Iraq	27 November	2013
4	2nd Annual Young Ambassador Meeting	Boston/ USA	16 May	2014
	ASM Culture of Responsibility Trainers Workshop	Boston/ USA	17 May	2014
5	114th ASM General Meeting (conference)	Boston/ USA	17-21May	2014
6	Pre-workshop transformative learning best practices, US education system, reforms (CETTL)	University of Central Oklahoma, Oklahoma / USA	3 July	2014
7	E-Learning software and library tools IT traning at administration bulding, IT office,	University of Central Oklahoma, Oklahoma /USA	9 July	2014
8	Workshop: small world imitative instructor training workshop organized by the American Society for Microbiology (ASM) and Yale university in collaboration with Princess Haya biotechnology center	Jordan university of science and technology- Princess Haya biotechnology center/ Jordan	7-11 June	2015
9	The5th Kurdistan International Conference on Science and Technology-ICST (Oral presentation).	Duhok/ Iraq.	24-25 April	2019
10	International Conference on Clinical research and Medical Science -ICCRAMS-	Erbil / Iraq	18-21 Sept.	2019

	(Oral presentation).			
11	1 st international staff week	Tuscia university –Viterbo-Italy	27/5/2022	

Teaching Experience:

University	College	Department	Stage	Subject	Period		No .of hs / weekly	
					from	To	Theo.	Prac.
Dohuk	Education	Biology	3 rd	Genetics	2004	2007		6
Dohuk	Education	Biology	3 rd	Cytology	2004	2006		6
Dohuk	Agricultue	Animal Production	2 nd	Genetics	2004	2006	2	6
Dohuk	Education	Biology	4 th	Microbiology	2005	2006		6
Zakho	Sciences	Biology	1 st	Academic debate	2013	2015	2	
Zakho	Sciences	Biology	4 th	Biotechnology	2013	2015	2	6
Zakho	Sciences	Environment	3 rd	Environmental microbiology	2013	2015	2	6
Zakho	Sciences	Biology	MSc students	Advance microbiology	2014	2015	3	
Zakho	Sciences	Biology	MSc	Advance Molecular biology	2014	2015	3	
Zakho	Sciences	Biology	MSc	Selective topics in biotechnology	2014	2015	3	
Zakho	Sciences	Biology	PhD lectures	Advance microbiology	2016	2016	3	
Duhok/ Shikhan	Technical College of Health	Medical Laboratory Technology	2 nd	Bacteriology	2017	2018	2	3
Dohuk	Science	Biology	1 st	Zoology	2017	--	2	3
Dohuk	Science	Biology	MSc	Advanced Microbiology	2017	--	3	
Dohuk	Science	Biology	MSc	Advanced Bacteriology	2020	2021	3	
Duhok	Engineering	Biomedical sciences	3 rd	Microbiology and Hygiene	2020	2021, 2022	3	2
The American University of Kurdistan	Arts and Sciences	General education	1 st	Biology&Lab	2021	2021	4	2

Training Courses

Field of Study	From – To	Place(s) of study
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1	Academic English language course	09/04/2008 to 4/7/2008	Castle college, Nottingham University, UK
8	Preessional Academic English language course	10/07/2008 to 19/9/2008	Central for English language Education(CELE)/ Nottingham city/UK

Supervision: MSc & PhD

Student name	Degree	Place	Thesis title	From	To
Hishiyar Abduljabar Hado	MSc	Zakho university	Occurrence and molecular characterization of Methicillin-resistant <i>Staphylococcus aureus</i> strains isolated from poultry and farm workers in Duhok, Kurdistan region, Iraq	2015	2017
Roshna Mohamed Qadir	MSc	Duhok University	Molecular characterization of oral bacteria in obese people in Duhok, Kurdistan region/ Iraq.	2018	2020
Nabi Qadri Saeed	MSc	Near East University/Turkey	Incidence of Urinary Tract Infections, Etiological Agents, and Antibiotic Susceptibility among Pregnant and Non-Pregnant Women in Amedi-Region-Iraq	2019	2021
Omar Hammad Jumaah	MSc	Mosul university	Isolation and Characterization of Rhizobial Isolates in Iraq with A First Record of Symbiosis	2020	2022
Paiman Abdullah Khudhur	MSc	Duhok University	Prevalence and Molecular Characteristics of <i>Staphylococcus lugdunensis</i> and its Antagonistic Activity Against MRSA Strains Isolated from Healthy People	2021	Present
Samir Khudeda Ali	PhD	Duhok University	Phenotypic, Molecular and Co-Cultural Characterization of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Clinical Isolates from Duhok-Iraq	2021	Present

Researches Published: (41 papers)

- 1- Omar Hammad Jumaah, Raad H. Sultan, **Mahde Saleh Assafi**. Antimicrobial Activity of Local Rhizobial Isolates Against Some fungi. *Journal of Education and Science*, 2022, Volume 31, Issue 2, Pages 121-130.
- 2- Ali Yahya Saeed, **Mahde Saleh Assafi**, Hemin Esmael Othman, Hogir Mohammed Shukri. Prevalence of SARS -CoV-2 IgG/IgM Antibodies Among Patients in Zakho City, Kurdistan, Iraq. *J Infect Dev Ctries (JIDC)* 2022; 16(7):1126-1130.
- 3- **Mahde S. Assafi**, Fawwaz F. Ali, Reem Fouad Polis, Nisreen Jawad Sabaly, Sozan Muhsin Qarani.(2022). Epidemiological and multidrug resistance study for *E. coli* isolated from urinary tract infection (three years of study). *Baghdad Science Journal*. Vol 19, No.1.

- 4- Nawfal R Hussein, Dildar H Musa, Dawan J Hawezy, Ferhad MR Ahmed, Fatma K Khalid, Ibrahim A Naqid, **Mahde S Assafi**. (2021). A study on the prevalence and the risk factors of hepatitis B virus infection in Kurdistan Region, Iraq: A multicenter study. *Journal of Contemporary Medical Sciences*. Vol.7, No.5
- 5- Roshna Mohamed Qadir, **Mahde Saleh Assafi**. (2021). Oral carriage of *Staphylococcus aureus* in people with different body mass index. *Journal of Oral Research*. Vol 10, No.5
- 6- Sozan Muhsin Qarani, Firas Khalid Qasim, **Mahde S Assafi**. (2021) A Comparative Study of Physiological and Physical Parameters between Married Females Residing at the Qushtapa Refugee Camp and in the City of Erbil in Kurdistan-Iraq. *SJUOZ*. Vol.9, No.2,97-101.
- 7- Roshna Mohamed Qadir, **Mahde Saleh Assafi**. (2021). The association between body mass index and oral Firmicutes and Bacteroidetes profile in healthy people. *Malaysia Family Physician* Vol 16, No. 3, (2021).
- 8- Hishiyar A Hado and **Mahde S Assafi**. Molecular Fingerprinting of Methicillin Resistant *Staphylococcus aureus* Strains Isolated from Human and Poultry in Duhok, Iraq. (2020). *Iraqi Journal of Veterinary Sciences*, 35,1.
- 9- Reem F Polse, Sozan M Qarani, **Mahde S Assafi**, Nisreen J Sabaly, Fawaz F Ali. (2020). Incidence and Antibiotic Sensitivity of *Klebsiella pneumonia* isolated from urinary tract infection patients in Zakho emergency hospital / Iraq. *Journal of Education and Science* Vol.29, No.3.
- 10- Fawwaz F. Ali, Muslim A. Allu, **Mahde S. Assafi**, Mohammad I. Al-Berfkani. The frequency of the pathogenic bacteria isolated from different clinical samples in Duhok, Iraq. *IMDC-SDSP 2020*, June 28-30, Cyberspace.(2020). DOI 10.4108/eai.28-6-2020.2298236.
- 11- **Mahde S Assafi**, Hishiyar A Hado, Ibtesam S Abdulrahman. Detection of methicillin-resistant *Staphylococcus aureus* in broilers and broilers farm workers in Duhok, Iraq by using conventional and PCR techniques. (2019). *Iraqi Journal of Veterinary Sciences*, Vol. 34, No. 1, (2020) (15-22).
- 12- Roshna M. Qadir, **Mahde S Assafi**. Frequency of *Selenomonas noxia* in oral microbiota of obese and normal weight people in Duhok-Iraq. (2019). *SJUOZ*. Vol. 7, No. 4, pp. 120–124, December.2019
- 13- **Mahde S Assafi**, Muslim A Allu, Ibtesam S Abdulrahman, Mohammad I Al-Berfkani. The seroprevalence of human brucellosis in different age groups patients and other associated risk factors in Duhok, Iraq. *Innovaciencia*. (2019). Vol 7 (2): 1-7.
- 14- Muslim A Allu, **Mahde S Assafi**, Reem F Polse, Mohammad I Al-Berfkani. Present status of Salmonella Typhi in different age groups hospitalized patients in Duhok City, Iraq. (2019) *ZJPAS*.31 (6):123-129.
- 15- Nawfal R Hussein, Zana SM Saleem, Nashwan MR Ibrahim, **Mahde Saleh Assafi**, Shameran Daniel (2019). The Prevalence of HBV Infection in Renal Transplant Recipients and the Impact of Infection on Graft Survival, *Acta Medica Iranica*, Vol. 57, No. 6. 381-384. (2019).
- 16- Hussein NR, Balatay AA, Saleem ZS, Hassan SM, **Assafi MS**, Sheikhan RS, Amedi FR, Hafzullah SS, Hafzullah MS, Xedr AM, Zebary MT, Aqrawi HA. A clinical study of cutaneous leishmaniasis in a new focus in the Kurdistan region, Iraq. (2019). *PloS one*. 14(5). e0217683.
- 17- Wahida A Ibrahim, Shameran Daniel, Nawfal R Hussein, **Mahde Saleh Assafi** and Ramadan Othman. Knowledge of Human Papillomavirus (HPV) and the HPV Vaccine Among Medical and Nursing Students of Duhok, Iraq. (2019). *Women Health Bull.* (2019 January; 6(1):e87203. doi: 10.5812/whb.87203.

- 18- Yousif A Abdulrhaman, Mohamad A Mohamad, **Mahde S Assafi**. 2019. Phage therapy against biofilm of multidrug resistant *Klebsiella pneumoniae* from Zakho hospital samples. *Polytechnic journal for pure and applied sciences*. (2019). 9(1): 17-22.
- 19- Waleed Haji Saeed Akreyi, Samira Younis Yousif, **Mahde Saleh Assafi** (2018). Antibiotic resistant and plasmid conjugative study of *Salmonella* Typhi. *Jurnal Teknologi Laboratorium*. Vol 7, No 2, 2018: 38-45.
- 20- Nawfal R Hussein, Shameran Daniel, Khoshi Salim, **Mahde S Assafi**. (2018). Urinary tract infections and antibiotics sensitivity patterns among women attending Azadi teaching hospital, Duhok, Iraq. *Avicenna Journal of Clinical Microbiology and Infection*. 5(2):27-30.
- 21- Marwan K. Al. Zebary, Samira Y. Yousif, **Mahde S. Assafi**. (2017). The prevalence, molecular characterization and antimicrobial susceptibility of *S. aureus* isolated from impetigo cases in Duhok, Iraq. *The Open Dermatology Journal*. 11: 22-29. Doi:10.2174/1874372201711010022
- 22- Nawfal R. Hussein, **Mahde S. Assafi**, Tayyaba Ijaz (2017). Methicillin-resistant *Staphylococcus aureus* nasal colonisation amongst healthcare workers in Kurdistan Region, Iraq. *Journal of Global Antimicrobial Resistance*. 9: 78–81.
- 23- **Mahde S Assafi**, Reem F Polse, Nawfal R Hussein, Ahmed H Haji, Araz R Issa (2017). The prevalence of *S. aureus* nasal colonisation and its antibiotic sensitivity pattern amongst primary school pupils. *JUOZ*. Vol.5 No 1, 2017.
- 24- Reem F Polse, Samira Y Yousif, **Mahde S Assafi** (2016). Prevalence and molecular characterization of extended spectrum beta Lactamases-producing uropathogenic *Escherichia coli* isolated in Zakho, Iraq. *JMID*. 6 (4): 163-167.
- 25- **Mahde S. Assafi** (2016). Comparison of *S. aureus* Proteomic Profiles from Biofilm and Planktonic Growth Conditions using 2D- Gel Electrophoresis. *JUOZ*. Vol.4, No 1, 2016.
- 26- Nawfal R. Hussein, Amer A. Balatay, **Mahde S. Assafi**, Tamara Abdulezel Al-Muftay (2016). High Risk Human papilloma Virus Genotypes in Kurdistan Region in Patients with Vaginal Discharge. *Asian Pac J Cancer Prev*. 2016;17(7):3191-3.
- 27- Polse, R. F., Yousif, S. Y. & **Assafi, M. S.** (2016) Prevalence and antimicrobial susceptibility patterns of uropathogenic *E. coli* among people in Zakho, Iraq. *Int J Res Med Sci*, Online First: 28 Mar, 2016. doi:10.18203/2320-6012.ijrms20160813.
- 28- N.R. Hussein, Z.S.M. Saleem, A.A. Balatay, K.H. Abd, S. Daniel, A.A. Taha, N.M.R. Ibrahim, **M.S. Assafi**. (2016). Seroprevalence of *Helicobacter pylori* Infection in Renal Transplant Recipient Attending Duhok Kidney Disease Center. *Transplantation Proceedings*, 48, 92 -95.
- 29- **Mahde S.A. Assafi**, Nashwan M.R. Ibrahim, Nawfal R. Hussein, Ali A Taha, Amer A. Balatay (2015). Urinary Bacterial Profile and Antibiotic Susceptibility Pattern among Patients with Urinary Tract Infection in Duhok City, Kurdistan Region, Iraq. *Int. J. Pure Appl. Sci. Technol.*, 30(2) (2015), pp. 54-63.
- 30- **Mahde S. Assafi**, Reem Qasim Mohammed, Nawfal R. Hussein. (2015). Nasal Carriage Rates of *Staphylococcus aureus* and CA-Methicillin Resistant *Staphylococcus aureus* among University Students, *Journal of Microbiology Research*, Vol. 5 No. 4, 2015, pp. 123-127. doi: 10.5923/j.microbiology.20150504.01.

- 31- Nawfal R Hussein, Ahmed Alyas, Marwan Majeed and **Mahde S Assafi (2015)**. Prevalence Rate and Prevalent Genotypes of CA-MRSA in Kurdistan Region: First Report from Iraq. *Int. J. Pure Appl. Sci. Technol.*, 27(1).
- 32- Hussein NR, Tunjel I, Majeed HS, Yousif ST, Aswad SI, **Assafi MS (2015)**. Duodenal ulcer Promoting gene 1 (dupA1) is associated with A2147G clarithromycin resistance mutation but not IL-8 secretion from gastric mucosa in Iraqi patients, *New Microbes and New Infections*, doi:10.1016/j.nmni.2015.02.005.
- 33- Hussein NR, Muhammed AH, Al-Dabbagh S, Abdulkareem, WL and **Assafi MS (2014)**. The Prevalence of USA300 CA-MRSA in Kurdistan Region, Northern Iraq (2014). *Int. J. Pure Appl. Sci. Technol.*, 21(2), 8-10.
- 34- Habeeb A, Hussein NR, **Assafi MS** and Al-Dabbagh SA (2014). Methicillin resistant *Staphylococcus aureus* nasal colonization among secondary school students at Duhok City-Iraq. *JMID* 4 (2): 59-63.
- 35- Salih AM, Goreal A, Hussein NR, Abdullah SM, Hawrami K, **Assafi M (2013)**. The distribution of cagA and dupA genes in *Helicobacter pylori* strains in Kurdistan region, northern Iraq. *Ann Saudi Med.* 33 (3):290-3.
- 36- Abdullah SM, Hussein NR, Salih AM, Merza MA, Goreal AA, Odeesh OY, Majeed HS, **Assafi MA**, Hawrami K (2012). Infection with *Helicobacter pylori* strains carrying babA2 and cagA is associated with an increased risk of peptic ulcer disease development in Iraq. *Arab J Gastroenterol.* 13(4):166-9.
- 37- Nawfal R. Hussein NR, Abdullah SM, Salih AM, and **Assafi MS (2012)** dupA₁ Is Associated with Duodenal Ulcer and High Interleukin-8 Secretion from the Gastric Mucosa. *Infect. Immun.* 80 (8) 2971-2972.
- 38- **Assafi MS (2012)**. Molecular Analysis of the Role of *Haemophilus influenzae* Porin P2 in Host-pathogen Interactions. PhD Thesis. University of Nottingham.
- 39- Abouseada NM, **Assafi MS**, Mahdavi J, Oldfield NJ, Wheldon LM, Wooldridge KG, Ala'aldeen DA, Borrow R (2012) Mapping the Laminin Receptor Binding Domains of *Neisseria meningitidis* PorA and *Haemophilus influenzae* OmpP2. *UPLoS ONE* 7 (9).
- 40- Al-Hamdany AJ, A.M. Mustapha AM, **Abdul-Rahman MS** Synthesis and Biological Study of Some New Pyrrolidines (2007). *J.Edu. Sci*, 19 (3).
- 41- Mahmood AK and **Saleh M (2006)**. Gamma Ray Effect on Food Demand to Growth Factors as *S. typhimurium* Isolated from Clinical Cases in Mosul City. *Tikrit Journal of Pure Science* 11 (2): 78-84.

Posters

1- Mahde S Assafi, Neil Oldfield, Jafar Mahdavi, Karl Wooldridge & Dlawer Ala'Aldeen. Molecular and Functional Analysis of *Haemophilus influenzae* Porin P2 and Investigation into its Role in Host-Pathogen Interactions.

Submitted to the Society of General Microbiology conference (SGM). 30 March - 2 April 2009. Yourkshire, **UK**.

2- Mahde S Assafi, Neil Oldfield, Jafar Mahdavi, Karl Wooldridge & Dlawer Ala'Aldeen. Molecular and Functional Analysis of *Haemophilus influenzae* Porin P2 and Investigation into its Role in Host-Pathogen Interactions. Submitted to the 112th American Society of Microbiology conference (ASM). 21-24 May 2011. Louisiana, **UAS**.

3-Noha M. Abouseada, **MahdeSaleh A. Assafi**, Jafar Mahdavi, Neil J. Oldfield, Lee M. Wheldon, Karl G. Wooldridge and Dlawer A. A. Ala'Aldeen. Mapping the laminin receptor binding domains of *Neisseria meningitidis* PorA and *Haemophilus influenzae* OmpP2. Submitted to XVIIIth International Pathogenic Neisseria Conference (IPNC). 09-14 September 2012, Würzburg/ **Germany**.