



Curriculum Vitae

- **Personal Info**

Name: Hêro Farhad Salah

Place and Date of Birth: Akrê- Nenawa, 12/4/1980

Academic Degree: Ph.D.

Scientific Degree: Assistant Professor

Specialty: Molecular Microbiology and Biotechnology

DOB-City: Erbil

Mother Tongue: Kurdish

Country: Kurdistan Region of Iraq

Time in present position: 13 Years

- **Contact Details**

E-mail: hero.salah@su.edu.krd, herobio2013@gmail.com

Mob. No.: +9647504654468

Languages	Fluent	Very good	Good	Average	Below average
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Kurdish	*				
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Arabic	*				
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English			*		
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- **Academic Qualification**

-Doctor of Philosophy (Molecular Microbiology and Biotechnology) – Salahaddin University- Hawlêr-Kurdistan Region-Iraq in Collaboration with the Malaya University-Kuala Lumpur- Malaysia, 2017.

- Master of Sciences (Microbiology)-College of Education/Scientific Departments-Salahaddin University- Erbil- Iraq, 2007.

-Bachelors Sciences - College of Education-Salahaddin University- Erbil- Iraq, 2001-2002 (rank: 3rd out of 60).

- **Title of Ph.D. Dissertation:**

Cloning of Staphylokinase (*sak*) Gene from *Staphylococcus aureus* into *E. coli* Strain BL21(DE3) and Assessment its Properties *in vitro* and *in vivo*.

- **Title of Master Thesis:**

Effect of Some Medicinal Plant Extracts on Antibiotic Resistance by Plasmids of *Escherichia coli* Isolated from Different Sources.

- **Professional Affiliation/Membership**

1. MENA BIORISK MANAGEMENT NETWORK (International)
2. Biorisk Management Institute of Kurdistan (BMIK)
3. Syndicate of Biology.
4. Kurdistan Teachers Union.
5. Centre of Culture and Society of Salahaddin University – Erbil

- **Teaching Experiences**

1. Molecular Biology 4th Year, 2019-2020.
2. Microbiology/3rd Year, 2017-2019.
3. Practical Pathogenic Bacteria for Fourth year of Biology Dept. (2016-2017).
4. Practical Comparative Anatomy of Chordates for Fourth year of Biology Dept. (2007 until 2015).
5. Practical Microbiology for Fourth year of Biology Dept. (2008-2009 & 2014-2015).
6. Practical Zoology for First year of Biology Dept. (2007 - 2009).

- **Trainings that participated**

1. Real Time PCR. Hawler Medical Research Centre. Hawler Medical University, 2019.

2. Induction Course. Animal Experimental Unit (AEU), Faculty of Medicine, Malaya University- Kuala Lumpur-Malaysia, 2016.
3. Responsible Care and Use of laboratory Animal Course/ Rabbit (Techniques on Handling, Anesthesia, Euthanasia, Parenteral Administration and Blood Collection). Animal Experimental Unit (AEU), Faculty of Medicine, Malaya University-Kuala Lumpur-Malaysia. 2016.
4. Training of e-Learning (2012).
4. English Training Course (2009).
5. Computer Training Course (ICDL) (2009).
6. Training of Teaching Methods (2009).
7. Computer Training Course (2004).

- **Posts Scientific:**

Workshops:

1. How to Use Google Drive for Collaboration, February 22th, 2020.
2. 1st Moodle Platform workshop-EDU, December 22nd, 2019.
3. Computational Drug Discovery, December 21st, 2019.
4. Green Synthesis of Nanoparticles and its Potential Application, November 30th, 2019.
5. Moodle Workshop, November 13th, 2019.
6. Infection Control in Hospitals, Cihan Uni.-Erbil and Hawler Medical Uni.,-1-5-2019.
7. International Workshop of Diagnostics in Biology, Salahaddin Uni.-Erbil, 29-30. 4. 2019.
8. Nanotechnology application in chemistry (Workshop), Salahaddin University-Erbil, 17-18. 04. 2019.
4. LMS Moodle Workshop at Salahaddin University-Erbil, 20. 2. 2019.
9. Graph Pad Prism 6, Hawler Medical Research Center, 17, 18 and 19. 12. 2019.
10. Local Scientific Journals: Concerns and Insight for Future Improvements, Knowledge University- Erbil, 27. 11. 2019.
11. Participating in Workshop: Editing Your Manuscript for Publication. University of Malaya, 2016.
12. EndNote workshop: EndNote software Department of Biology-College of Education/Salahaddin University, Nov.14-15th, 2014.
13. NISA workshop: Assessment of Crop Biodiversity- Cultivars and Natural Resources, 2012.
14. EndNote workshop: EndNote software Department of Biology-College of Education/Salahaddin University, Apr.14-15th, 2013.

Seminars:

1. Moodle: Learning Management System, 2020.
2. رێنماییه‌کانی دنیایی جۆری () -
3. وێه‌ی کارکردنی پێلی () -
4. وێه‌ی پێخستنی ل سکۆه و پوهه پێک‌پێی () -
5. رێی هه و هه و هه ی پێی و () -
6. Some Suggestions for Our Departments (2017-2018). 6. Identification of *Staphylococcus aureus* Isolated from Clinical Samples (2017-2018).
7. Expression of Genetically Engineered BL21(DE3) with The Staphylokinase Gene from *Staphylococcus aureus* (2017-2018).
8. Detection of Methicillin Resistance and Other Antibiotics in *Staphylococcus aureus* Isolated from Clinical Samples.
9. وێه‌ی کارکردنی پێلی / وێه‌ی پێم / () - . -
10. وێه‌ی کارکردنی پێلی / وێه‌ی پێه / () - یه‌که
11. Transferring *sak* Gene to a non- Pathogenic Bacterium and Assessment its Properties *in vitro* and *in vivo*, 2017.
12. Transferring *sak* Gene to a non- Pathogenic Bacterium and Assessment its Properties *in vitro* and *in vivo*, 2015.
13. Botulinum Toxin 2014.
14. Antibacterial Effects of Aqueous Extracts of Spices and Herbs against Bacteria Isolated from Frozen Meat 2014. 12. Phyto-therapy against Bacteria 2012-2013.
15. Bad Is Good!!! Depressed? Go Play In Dirt. Bad Is Bad: An Antibiotic May Be Useful For Depression 2012-2013.
16. A new Weapon against Cancer 2012-2013.
17. Biofilms 2011-2012.
18. Friendly Bacteria and Prevention of Colon Cancer 2011-2012.
19. Dental Caries May Become a Thing of The Past 2011-2012.

Conferences:

1. CORE Symposium, February 20th, 2020.
2. First International Conference of Agri Sciences November 6th-7th, 2019.
3. 3rd International Conference on Biological and Health Sciences/Joint Conference Cihan Uni.- Erbil and Hawler Medical Uni., April 30th-May 1st, 2019.
4. 12th International Conference on Medical, Medicine and Health Sciences/ KL-Malaysia.

5. Fourth International Visible Conference on Education Sciences/ Ishik University, 13 Apr. 2013.
6. Third International Conference for Medical Sciences Promoting Medical Research in Kurdistan/ Hawlêr Medical University and Kurdistan Board for Medical Specialties, 23-24 Oct. 2012.
7. Fourth Kurdistan Conference in Biological Sciences/ University of Duhok, 8-10 May 2012.
8. Third International Visible Conference on New Trend in Education/ Ishik University.

- **Literature:**

-Atlas of Chordates.

- **Promotions (Upgrading):**

- Assistant Professor, 18/2/2019.
- Lecturer, in 1/4/2012.
- Assistant Lecturer, 28/7/2007.

- **Jobs:**

1. Department Head of Quality Assurance 2018-2019.
2. Lecturer in College of Education/ Scientific Departments from 2007 –till now.
3. Demonstrator (Research Assistant- Biology) in College of Education/ Scientific Departments from 2004-2007.
4. Teacher in Secondary Schools from 2002- 2004 in Ministry of Education.

- **Researches (published , under publishing ,ongoing)**

1- List the title of published researches:

1. Detection of Methicillin Resistance, Staphylokinase Activity and Biofilm Formation in *S. aureus* Isolated from Clinical Samples. *Zanco Journal of Pure and Applied Sciences*, 29 (3):170-187.
2. Expression of Genetically Engineered BL21(DE3) with the Staphylokinase Gene from *Staphylococcus aureus*. *Al-Kufa University Journal for Biology*, 9 (3): 45-54.
3. *In vitro* Screening of Antibacterial Properties of *Rhus coriaria* and *Origanum vulgare* Against Some Pathogenic Bacteria. *ARO-The Scientific Journal of Koya University*, 3(2):35-41, 2016.
4. Antibacterial Potency of Aqueous Plant Extracts against *Streptococcus mutans*. *Medical Journal of Islamic World Academy of Sciences*, 22(2): 85-89. 2014.

5. Antibacterial Effects of Aqueous Extracts of Spices and Herbs against Bacteria Isolated from Frozen Meat. *Medical Journal of Islamic World Academy of Sciences*, 22(1): 30-35. 2014.
6. Antibacterial Potency of Some Medicinal Plant Extracts on Inhibiting Antibiotic Resistance Property of *Escherichia coli*. *Middle East Journal of Internal Medicine*, 6(4): 7-14, July 2013.
7. Evaluation of the Antibacterial Efficacy and the Phytochemical Analysis of Some Plant Extracts against Human Pathogenic Bacteria. *Journal of Pharmacy and Clinical Sciences*, 7:29-39, June 2013.
8. Screening in Vitro and in Vivo the Antibacterial Activity of *Rhus coriaria* Extract against *S. aureus*. *International Journal of Research and Reviews in Applied Sciences*, 15(3):390-397, June 2013.
9. Genetic Site Determination of Antibiotic Resistance Genes in *Escherichia coli* Isolated from Different Sources of Human Infection. *Medical Journal of Islamic World Academy of Sciences*, 21(2): 61-68. April 2013.
10. Effect of Some Plant Extracts on Isolated Bacteria from Eyelids of Natural Eye liner Users and Eye cosmetics Users. *Journal of Applied Pharmaceutical Science*, 2 (11): 003-008, November, 2012.
11. Antibacterial Activity of Rosemary Plant Extract against Methicillin Resistance *Staphylococcus aureus*. Proceeding of the 4th Kurdistan Conference on Biological Sciences. University of Duhok, 8-10 May, 2012.
12. A Comparison Study of Commercial Plant Essential Oils with Ethanolic Extract of Spearmint and Fenugreek Activity against Some Gram Positive and Gram Negative Bacteria. *Middle East Journal of Family Medicine*, 10(7): 12-18, August 2012.
13. Molecular Study and Assessment of the Medicinal Potential of the *Lipidium sativum* Plant Extracts against Antibiotic Resistance *E. coli*. *Journal of Islamic World Academy of Sciences*, 20(3): 98-105, July 2012.
14. Antibacterial Effect of Seed Extracts of Cardamom (*Elettaria cardamomum*) against *Staphylococcus aureus* and *Proteus mirabilis*. *Tikrit Journal of Pure Science*, 17(2): 14-18, October 2012.
15. Effect of *Coriandrum sativum* and *Foeniculum vulgare* Extracts and Tannic acid Solutions on the Growth and Antibiotic Resistance of Bacteria. *Zanco Journal for Pure and Applied Sciences*, 23(3): 125-132, 2011.
16. Antibacterial Activity of *Lipidium sativum* and *Allium porrum* Extracts and Juices against Some Gram Positive and Gram Negative Bacteria. *Medical Journal of Islamic World Academy of Sciences*, 20(1): 10-16, January 2012.

- **List of titles of ongoing researches:**

