**CURRICULUM VITAE**

**PERSONAL DETAILS**

Name: Zirak Faqe Ahmed Abdulrahman

Family Name: Abdulrahman

Date and Place of Birth: 10th January 1974, Erbil (IRAQ)

Marital Status: Married

Home Address: No.219C New Zanco Village, Erbil, IRAQ

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**EDUCATION**

2001-2005: (Ph. D in molecular biology). The title of the thesis is (isolation of plasmid DNA in *Staphylococcus aureus* islolated from different sources in Erbil city ). Department of Food technology, College of agriculture, University of Salahaddin –Erbil , IRAQ.

1996-1999: (M.Sc in microbiology). Department of Biology, College of Education,

University of Salahaddin –Erbil -IRAQ.

1991-1995: (B.Sc in biology). Department of Biology, College of Education, University of Salahaddin –Erbil -IRAQ.

2000-2005: (B.Sc in law) Department of law, College of law, University of Salahaddin –Erbil -IRAQ.

**EXPERIENCES**

2009 Assist. Prof. of Molecular Biology, Department of Biology, College of Education,

University of Salahaddin–Erbil -IRAQ.

2005 Lecturer of Molecular Biology, Department of Biology, College of Education,

University of Salahaddin–Erbil -IRAQ.

1999 Assist. Lecturer of Microbiolgy, Department of Biology, College of Education,

University of Salahaddin–Erbil -IRAQ.

2011-2013 head of Biology department, College of Education University of Salahaddin –Erbil -IRAQ.

2014-to the date Member of Higher Education Committee , Department of Biology, College of Education–Erbil -IRAQ.

2014 to the date head of Quality Assurance , College of Education, University of Salahaddin–Erbil -IRAQ.

**SUPERVISION**

Supervising fourth year under graduation projects.

Supervised one Diploma, six M Sc. and two Ph D students.

At present time supervising two Ph D students.

**TEACHING**

During these years I have taught the following subjects for the undergraduate and postgraduate

students,

MICROBIOLOGY

MOLECULAR BIOLOGY

ADVANCED MOLECULAR BIOLOGY

BIOTECNOLOGY

FOOD POISONING

MICROBIAL BIOTECHNOLOGY

GENETIC ENGINEERING

**CONFERENCES AND TRAINING COURSES**

**First** international conference on biology, Duhok University, Duhok, Iraq, 27-29 April 1999 ( as speaker).

**Second** scientific conference for biological science , biology department Mosul University, Mosul,Iraq, 16-17 november 2011 ( as speaker)

**Fourth** international conference on biology, Duhok University, Duhok, Iraq, 8-10 may 2012 ( as speaker).

**Fourth** International Conference and Workshops on Basic and Applied Sciences and 11TH Regional Annual Fundamental Science Symposium 2013 (ICOWOBAS-RAFSS 2013), Malaysia from 3rd to 5th September 2013. ( as speaker).

**First** international conference on biology, Cihan University, Erbil, Iraq, 13-15 April 2014 ( as speaker).

**Second** international conference on ecology, environment and energy, Ishik University, Erbil,Iraq, 12-13 April 2015 ( Participant).

**Tecnique** of teaching methods , University of salahaddin,31-7 till 31-8 1999.

**Workshop** on Molecular biology technique, University of Duhok, Iraq, 20- 22 september 2008.

**Workshop** on development training for medium level leaders of university in kurdistan / Iraq.

Held in university of kassel –witzenhausen/German.

**Worksh** on genomic dna exraction PCR and gel electrophoresis **,**University of salahaddin, Iraq20-23 september 2011.

**Workshop** on follow-up of university staff development training, salahaddin university-Erbil,november 22-23,2012

**Workshop** on southern blotting **,** Johor, Malaysia from 2nd September 2013.

**Workshop** on EndNote software ,college of education , University of salahaddin 10-11th april 2014.

**PUBLICATIONS**.

Adel K. Kheder and **Zirak F. A.Abdulrahman**, Effect of magnetic Field on Nodulation ,nitrogen fixation ,Number and characteristics of bacteria *R.leguminosarum*,Duhok University journal,Vol(2)3,1999.

**Zirak F. A. Abdulrahman**, Effect of magnetic Field on Nodulation ,nitrogen fixation , and characteristics of bacteria *R.leguminosarum* in *Vicia faba* plant,Zanco Journal for pure and Applied science ,Vol(13)2,2001.

Dilshad A. Darwesh and **Zirak F. A.Abdulrahman,** Effect of two different soil in texture ,moisture and temperature on denitrification, Zanco Journal for pure and Applied science , Vol(16)1,2004.

**Zirak F. A.Abdulrahman**, khalid D. Ahmed and Abdullah M. abdulrahman, Study of transposone mediated antibiotic resistance among *E.coli* isolates, Zanco Journal for pure and Applied science , Vol(19)2,2007.

**Zirak F. A.Abdulrahman**, Induction of gene amplification contributr to dulfonamide resistance in *Proteus mirabilis*,firstscientific conference for biological science , biology department ,college of education, Mosul University, Mosul,Iraq, 25 may 2007

**Zirak F. A.Abdulrahman,** Khalid I. Aziz and Hero M. Ismaeel, Assessment of antifungal bioactivity of *Calendula officinales* plant extract, Zanco Journal for pure and Applied science , Vol(20)4,2008.

**Zirak F. A.Abdulrahman,** Effect of some psychotrphic drugs on *Pseudomonas auroginosa* multidrug resistance isolates , Zanco Journal for pure and Applied science , Vol(21)3,2008.

Zhian G. Nanakaliand **Zirak F. A. Abdulraman**,Multidrug Resistance, Plasmid profile , and Adhesion Ability of *Escherichia coli* Isolated From Urinary Tract Infection of Pregnant Women, **Second** scientific conference for biological science , biology department Mosul University, Mosul,Iraq, 16-17 november 2011.

**Zirak F.A. Abdulrahman,** Hêro F. Salah and Shler Qasim H,Transformation Frequency and Antibacterial Activity of *Rosmarinus officinales* Plant Extract against Methicillin Resistance *Staphylococcus aureus* ,Fourth international conference on biology, Duhok University, Duhok, Iraq, 8-10 may 2012

Shukrea S. Sulaiman, and **Zirak F.A. Abdulrahman,** Antibiogram ,plasmid pattern, and biofilm formation in clinical isolates of P.aeruginosa, Journal of the college of basic education ,Vol 19(80),2013.

Hêro F. Salahand **Zirak F.A. Abdulrahman,** Evaluation of the antibacterial efficacy and the phytochemical analysis of some plant extract against human pathogenic bacteria, journal of pharmacy and clinical science,Vol 7,2013

Zhian G. Nanakaliand **Zirak F. A. Abdulraman**,Study of Antibiotic Resistance by Plasmid DNA in Uropathogenic *E.coli* , **Fourth** International Conference and Workshops on Basic and Applied Sciences and 11TH Regional Annual Fundamental Science Symposium 2013.

Shukrea S. Sulaiman, and **Zirak F.A. Abdulrahman,** Transformation Frequency and Curing Analysis of Ascorbic acid against Multidrug Resistance *Pseudomonas aeruginosa* ,First international conference on biology, Cihan University, Erbil, Iraq, 13-15 April 2014.

Khalid E. Aziz1, **Zirak F. A. Abdulraman** and Rajwa Hassen Essa, Antibiotic Resistance pattern and Effect of Some Growth Condition on *Lactococcus lactis* subsp. *lactis* Isolated from Cow Milk,international journal of current microbiology and applied science,Vol 4(2),2015.

 Zhian G. Nanakaliand **Zirak F. A. Abdulraman,** Antibiotic Resistance Study and Detection of Virulence Gene among Uropathogenic *E.coli*, Kirkuk University Journal /Scientific Studies, Vol10(3),2015.

 Khalid E. Aziz ,**Zirak F. A. Abdulraman** and Rajwa Hassen Essa ,Microbiological and Molecular Study of *Lactococcus lactis* sub*sp*. *lactis* Isolated From Cow Milk , Zanco Journal for pure and Applied science , Vol 27(3),2015.

Sivan Tariq Faiq and **Zirak F.A. Abdulrahman,** Antibiotic Resistance Pattern and Detection of Some ESBL Genes among Diarrheagenic *E. coli* O157:H7,Journal of Zankoy Sulaimani – Part A For Pure and Applied Sciences,Vol 17(3),2015.

**Zirak F.A.Abdulrahman,** Antiplasmid Potential of *Kalanchoe Blossfeldiana* Against Multidrug Resistance *Pseudomonas Aeruginosa*,Journal of the college of basic education ,Vol 21(89),2015.

**Zirak F.A.Abdulrahman and Lawin A. Omar,** Molecular Study of *Proteus mirabilis* Isolated From Urinary Tract Infections in Erbil City,journal of raparin university, in press .

**Zirak F.A. Abdulrahman,** Hêro F. Salah and Mohammad I. Mohammad,Molecular Study and Assessment of the Medicinal Potential of the *Lepidium sativum* Plant Extract Against Antibiotic Resistance *E. coli* , Zanco Journal for pure and Applied science,accepted for publication,according to order no.374 in 4/10/2015.

Rebwar H.Salih , Khadija K. Mustafa and **Zirak F.A. Abdulrahman,** Antibiotype of different bacteria isolated from different clinical sources, Tikrit journal of pure science, accepted for publication,according to order no.135 in 29/11/2015.

Safa Ali Naji **and Zirak F. A. Abdulraman,** Antimicrobial Resistance Pattern and Presence of *Mec A* Gene in Clinical Isolates of *Staphylococcus aureus* in Erbil Province, international journal of current microbiology and applied science,Vol 4(12),2015.

**Zirak F.A. Abdulrahman**,Molecular and Antibiotc Resistance Study of *Acinetobacter baumannii* Isolated From Different Sources, Journal of Zankoy Sulaimani – Part A For Pure and Applied Sciences,Vol 18(3),2016.

Rezhin A. Mohammed , Hero M. Ismael , **Zirak F. A. Abdulraman, co**nventional and Molecular Identification of Pathogenic and Keratinophilic Fungi Isolated from Feathers of Bird in Erbil City, Zanco Journal for pure and Applied science , Vol 29(3),2017.

Rasty Hassan Saeed **, Zirak Faqe A. Abdulrahman and** bestoon F. Nore ,Molecular study of Mitochondrial MT-TL1 Leucine gene and some Biochemical parameters in association with Coronary Heart Disease in patients attending Hawler cardiac center, Zanco Journal for pure and Applied science , Vol 29(5),2017.

**Zirak Faqe A. Abdulrahman,** Rastee Hasan Saeed, and Safa Ali Naje , Susceptibility pattern and detection of some antibiotic resistance genes in Staphylococcus aureus , Zanco Journal for pure and Applied science , Vol 30(2),2018.

Rebwar Muhammad Hamasalih\* and **Zirak Faqe Ahmed Abdulrahman.** PREVALENCE AND DIVERSITY OF VIRULENCE GENES AMONG STAPHYLOCOCCUS AUREUS ISOLATED FROM URINARY TRACT

CATHETERIZED PATIENTS. Biochem. Cell. Arch. Vol. 20, No. 1, pp. 213-225, 2020.

Rebwar Muhammad Hamasalih\* and **Zirak Faqe Ahmed Abdulrahman.** ANTIBIOFILM POTENCY OF GINGER (ZINGIBER OFFICINALE) AND QUERCETIN AGAINST STAPHYLOCOCCUS AUREUS ISOLATED FROM URINARY TRACT CATHETERIZED PATIENTS. Applied Ecology And Environmental Research 18(1):219-236.2020.

Sarween omer taha rasul , Khadija Khalel Mustafa , **Zirak Faqe Ahmed Abdulrahman.** Application of Silver Oxide Nanoparticles as Antibiofilm and Detection of Beta Lactamase Gene in Escherichia Coli Isolated from Diabetic Mellitus Patients. Indian Journal of Forensic Medicine & Toxicology, October-December, Vol. 13, No. 4 .2019.

Sarween omer taha rasul , Khadija Khalel Mustafa , **Zirak Faqe Ahmed Abdulrahman**. Iron Oxide Nanoparticles Reduced Biofilm Formation and Detection of lmb Genes in Streptococcus agalactiae Isolated From Patients with Diabetes Mellitus. Medico-legal Update, January- 2020, Vol.20, No. 1,2020

Mustafa Dhannoon Younus Ali\* and **Zirak F. A. Abdulrahman.** MOLECULAR IDENTIFICATION, SUSCEPTIBILITY PATTERN, AND DETECTION OF SOME VIRULENCE GENES IN PSEUDOMONAS AERUGINOSA ISOLATED FROM BURN PATIENTS. Plant Archives Vol. 20 Supplement 1, pp. 2573-2580, 2020.

**MEMBERSHIP OF PROFESSIONAL BODIES**

1995- till now member of Kurdistan biology sandycate.

1995 till now member of kurdistan teacher union.