

Curriculum Vitae

Name Of. Person : Prof Sawsan Sajid Al-Jubori

الاستاذ د.سوسن ساجد محمد علي الجبوري

-----كلية العلوم -College of -Science -الجامعة المستنصرية Mustansiriyah University

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PERSONAL SUMMARY:

Prof Sawsan Sajid Al-jubori is a molecular biologist and most of the current researches concern with bacterial pathogenicity and antibiotic resistance on molecular level

الاستاذ د.سوسن ساجد اختصاص احياء مجهرية \ بايولوجي جزيئي وابحاثي الحاليه اغلبها تعنى بل الامراضى البكتيرييه على المستوى الجزيئي فضلا عن دراسه البكتريا ذات المقاومه المتطرفه للمضادات

EDUCATION:

- Ph.D. #1: (Molecular Biology) 1997, Al-Mustansiriyah University, Baghdad,
- M.Sc. #2: (Microbiology), 1990 Al-Mustansiriyah University, Baghdad, Iraq
- B.Sc. #3: (Biology/Microbiology), 1983, University of Baghdad.

ACADEMIC HONORS AND AWARDS:

#1:The second best research in MEMBS - Middle East Molecular Biology Sources- conference held in Istanbul in Turkey 2015 2018 افضل ثاني بحث منشور في ملتقى جمعية البايولوجي الجزيئي عام

2-#1:The first research in MEMBS - Middle East Molecular Biology Sources- conference held in Istanbul in AboDabi 2017 افضل بحث منشور في ملتقى جمعية البايولوجي الجزيئي عام

ACADEMIC /TEACHING EXPERIENCE: الخبرات الاكاديميه والعملية

- #1:Senior of molecular biology and molecular genetics in biology department \College of science
- #2:Senior of antibiotics and microbial resistance in biology department\\College of science
- Head of molecular biology research lab for high graduate student

COURSES TAUGHT:الكورسات التي تم تدريسها:

Undergraduate	Graduate
1-Molecular Biology &Genetic engineering.	1 Advanced Molecular Biology &Genetic engineering
2-Bacterial Physiology	2 Biotechnology
3-Toxicology	3 Microbial Toxins (advanced)
4-Medical Microbiology	4 Special problems.
5-Antibiotics	5 Advance Antibiotics
6-Gene Cloning and cloning vectors	6 Molecular pathogenicity
7- Fermentations bio techniques	7 Molecular genetics

PROFESSIONAL AFFILIATIONS: المناصب

- Head of biotechnology branch \biology department \college of science Al-Mustansiriya university 2016-2023
رئيس فرع التقنية لحيائية من 2016 الى الان 2023
- President of scientific upgrades in college of science Al-Mustansiriya university
رئيس لجنة الترقيات العلمية من 2015 لغاية 2019

PUBLICATIONS: المنشورات

Papers. Some Publications last 10 years:

- 1-AL-Jubori,S.S.(2009).Cloning and expression MeRE Gene related to Tn501 Transposon and investigation its function and effects on swimming Motility. Iraqi J.Biotech.8 (1):334-341.
- 2-AL-Jubori,S.S;Abdulrazzak,A.A.and.Hussain,S.N.(2009). Determination of *Shigella dysenteriae* 1 and *E.coli* o157:H7 isolate produce Shiga toxin by using ELISA and PCR .Iraqi J.Biotech.8 (2):586-594.
- 3-AL-Saraj,I; Jawad,H.A. and AL-Jubori S.S.(2010) Influence of 805 nm diode Laser on plasmid content in some locally isolated *E.coli* and *Proteus mirabilis* .Iraqi journal of Laser .9(1).27-33.
- 4- AL-Jubori,S.S; Abdul razzak,A.A and Ali, M.R.(2010) Detection of alpha toxin produce by *Clostridium perfringens* using ELISA and PCR Techniques.Iraqi J.of Biotechnology .9(3):460-447.
- 5- AL-Niaame ,A; Thwani,A.N. and AL-Jubori ,S.S.(2010). Studying the histopathological and physiological effects of crud and partially purified Lipopolysaccarid from *Brucella abortus* (biovar6) on lab mice . .Iraqi J.of Biotechnology.9(3).336-321.
- 6- AL-Jubori S. S.,Mohsn A.Ali and Amna M.Ali .(2011).Bacteriological and Cytological study for bronchial washes from lung cancer patients.Baghdad Science Journal.8(1):400-407.
- 7- Al-Jubori, S.S; Shobar, I.K and Abdul – Hadi, S. (2011)-Determination of some virulence factors of *Pasteurella multocida* isolated from Human and farm animal infections J. Biotechnology research centre).
- 8-APM Dayle K. Blencowe , Sawsan al Jubori (2011), [Identification of a novel function for the FtsL cell division protein from Escherichia coli K12](#) Biochemical and Biophysical Research Communications 411, 44-49
- 9-Al-jubori ,S.S; Thwani,A.N and AL-Niaame,A. (2012)Using to different method for isolation *Brucella* and detection some of its virulence factors . AL- Mustansiriya J. of science
- 10- IM Al-kadmy, SS Al-jubori (2013)[Distribution of Aminoglycoside Resistance Mediated by 16S rRNA Methylation among Iraqi Isolates of Escherichia coli and Pseudomonas aeruginosa](#) .Agriculture and Healthcare 3, 113-126
- 11- IMS Al-Kadmy, SS AL-Jubori, EN Naje (2014) . [Genotypic Detection of Cefepime Resistance in Iraqi Clinical Isolates of Pseudomonas aeruginosa](#) , British Biomedical Bulletin 2 (2), 351-358
- 12- SA Eman Thamir and Sawsan sajid Al-jubori (2014). [Genetic detection of some virulence genes in Pseudomonase aeruginosa isolated from cystic fibrosis and no-cystic fibrosis patients in Iraq](#) Journal of Genetic and Environmental Resources Conservation 2: 380-287

13- H. Ameen AL-Jabiri and Sawsan Sajid AL-Jubori.(2014) [PREVALENCE OF MEXXY GENE MEDIATED EFFLUX PUMPS RESISTANCE TOWARDS AMINOGLYCOSIDE GROUP AMONG CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA](#) mintage journal of pharmaceutical and medical science 2 (1):7-10.

14- SM Kareem, Sawsan Sajid Al-Jubori, M Ali(2015) : [Prevalence of erm Genes among Methicillin Resistant Staphylococcus aureus MRSA Iraqi Isolates](#) Int. J. Curr. Microbiol. App. Sci 4 (5): 575-585

15- Sawsan S Al-Jubori, HA Al-Jabiri, IMS Al-Kadmy(2015). [Molecular Detection of Aminoglycoside Resistance Mediated by Efflux Pump and Modifying Enzymes in Pseudomonas Aeruginosa Isolated From Iraqi Hospitals](#) , Int'l Conf. on Medical Genetics, Cellular & Molecular Biology, Pharmaceutical & Food Sciences (GCMBPF-2015) June 5-6, 2015 Istanbul

16- Sawsan Mohammed Kareem*, Sawsan Sajid Al- Jubori .and munim R Ali (2015) . [PREVALENCE OF PVL GENE AMONG METHICILLIN RESISTANCE S. AUREUS ISOLATES IN BAGHDAD CITY](#) MRA World Journal of Pharmaceutical Research 4 (5), 455-471

17- IMS AL-Kadmy, HK Musafar, MHA Ali, Sawsan Sajid(2015). [Detection of 16S Ribosomal RNA Methylation in Extended-Spectrum \$\beta\$ -lactamase-Producing Klebsiella Pneumoniae Clinical Isolates from Baghdad Hospitals](#) Iraqi Journal of Biotechnology 14 (1), 53-62

18- LG AL-Saadi, Sawsan S AL-Jubori, DS Dawood(2016). [Novel emergency of mutant ul97 resistance gene among HCMV obtained from first trimester pregnant women in Iraq](#) Int. J. Adv. Res. Biol. Sci 3 (2), 223-230

19- Sawsan S. AL_Jubori, Israa M.S. AL_Kadmy(2016). [Emergence of Multidrug resistance \(MDR\) Acinetobacterbaumannii Isolated from Iraqi hospitals.](#) Advances in Envirimental biology 10 (5), 265-275

20- RA Aziz, Sawsan S Al-Jubori (2016). GENETIC ELEMENTS RESPONSIBLE FOR EXTREME DRUG RESISTANCE (XDR) IN *KLEBSIELLA PNUMONIAE VAR PNUMONIAE* ISOLATED FROM CLINICAL SAMPLES OF IRAQI PATIENTS 5(5): 1-23 [WORLD JOURNAL OF PHARMACEUTICAL RESEARCH](#) V555 5, Issue 5, 01-23.

21-Occurrence of Helicobacter pylori among Iraqi patients with suspected gastric ulcer: histopatological study for gastric mucosal biopsies SS Al-Jubori, IMS Al_Kademy, MR Ali, ASM Al I Advances in Environmental Biology 10 (7), 224-231

22-Molecular Analysis of Genetic Elements Responsible for XDR in Highly Successful Pathogen Acinetobacter Baumannii Isolated from Clinical Samples of Iraqi Patients : RAR Aziz and sawsan Al- jubori Journal of Global Pharma Technology 9 (4).

23-Characterization of Biofilm production and quorum sensing phenomenon among antibiotic resistant Acinetobacter baumannii isolated from wound infections in Iraq RAR Aziz, SS Al-Jubori Journal of Global Pharma Technology 9 (5)

24-Characterization of Biofilm production in antibiotic resistant Klebsiella pneumonia isolated from different clinical samples in Iraqi hospitals RAR Aziz, SS Al-Jubori Journal of Global Pharma Technology 9 (2)

25-[purification and characterization of catechol 1, 2-dioxygenase \(EC 1.13. 11.1; catechol-oxygen 1, 2-oxidoreductase; C12O\) using the local isolate of phenol-degrading ...](#)

HR Tawfeeq, SS Al-Jubori, AH Mussa
Folia Microbiologica, 1-15

26-Characterization of Titanium dioxide (TiO₂) Nanoparticles Biosynthesized using *Leuconostoc* spp. Isolated from Cow's Raw Milk: Characterization of (TiO₂) Nanoparticles
SAR Hasan, JAS Salman, SS Al-Jubori
Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental ...

27-Molecular Analysis of phe Operon Genes determining Phenol-Degrading *Pseudomonas* sp. from Polluted Sites in Baghdad City: Molecular Analysis of pheOperon Genes
HR Tawfeeq, SS Al-Jubori, AH Mussa
Proceedings of the Pakistan Academy of Sciences: B. Life and Environmental ...

28-Correlation of type 1 and type 3 Fimbrial genes with the type of specimen and the antibiotic resistance profile of clinically isolated *Klebsiella pneumoniae* in Baghdad
EA Muhsin, LA Said, SS Al-Jubori
Al-Mustansiriyah Journal of Science 33 (3), 1-11

29-Prevalence of Efflux Pump and Porin-Related Antimicrobial Resistance in Clinical *Klebsiella pneumoniae* in Baghdad, Iraq
EA Muhsin, S Sajid Al-Jubori, L Abdulhemid Said
Archives of Razi Institute 77 (2), 785-798

30-Biosynthesis and characterization of TiO₂ nanoparticles by *Lactococcus lactis* ssp. *lactis*
SA Hasan, JA Salman, SS Al-Jubori
Al-Mustansiriyah Journal of Science 32 (4), 21-25

31-Molecular Analysis of fimA Operon Genes among UPEC Local Isolates in Baghdad City
S Abdul Raheem Hasan, S Sajid Al-Jubori, J Abdul Sattar Salman
Archives of Razi Institute 76 (4), 829-840

32-Molecular Analysis of fimA Operon Genes among UPEC Local Isolates in Baghdad City.
SA Raheem Hasan, SS Al-Jubori, JA Sattar Salman
Institut Razi. Archives 76 (4)

33-Molecular detection of glpT and uhpT genes as fosfomycin pathways in UTI infection patients
ET Garallah, SS Al-Jubori
Gene Reports 21, 100930

34-Surveillance of murA and the plasmid-mediated fosfomycin resistance fosA gene in uropathogenic *E. coli* isolates from UTI patients
ET Garallah, SS Al-Jubori
Gene Reports 21, 100872

35-Screening, purification of tannase produced from Iraqi *Klebsiella pneumoniae* isolates and its role in enhancement of biofilm inhibition formed by Enterobacteriaceae isolates.
AK Abdal, SS Al-Jubori, SN Muslim
Annals of Tropical Medicine and Public Health 23 (6), 630-640

36-Screening, extraction and purification for tannase produced from Iraqi *Klebsiella pneumoniae* isolates and molecular detection of tanA gene
AK Abdal, SS Al-jubori, SN Muslim
EurAsian Journal of BioSciences 14 (1), 259-263

37-Correlation between Chaperone-Usher of Pap, SFA, AFA Operons with Type 1 Fimbriae
SSALJ AL, DUAA

The Journal of Research on the Lepidoptera 50, 131-146

38-Influence of Helium-Neon Laser on Some Virulence Factors of Staphylococcus Aureus and Escherichia Coli
MF Abo-Ksour, SS Al-Jubori, HA Jawad

Al-Mustansiriyah Journal of Science 29 (3), 29-34

39-A Novel Genetic Determination of a Lectin Gene in Iraqi *Acinetobacter baumannii* Isolates and Use of Purified Lectin as an Antibiofilm Agent

SN Muslim, IMS Al-Kadmy, IG Auda, AN Mohammed Ali, SS Al-Jubori

Journal of AOAC International 101 (5), 1623-1630

40-STUDY ON ADAPTING THE HOUSEKEEPING GENE FOR DIAGNOSIS HELICOBACTER PYLORI BACTERIA IN GASTRIC ULCER PATIENTS.

SS Al-Jubori, MR Ali, ASM Ali, E Al-Kadmy

Biochemical & Cellular Archives 18

41-Molecular analysis of genetic elements responsible for XDR in highly successful pathogen *Acinetobacter baumannii* isolated from clinical samples of Iraqi patients

RAR Aziz, SS Al-Jubori

J Glob Pharma Technol 9 (4), 26-39

A-.Books ; كتب منشوره

1- Lectin as a booster for antibiotics activity by Sahira nsayef muslim , Sawsan sajid al-jubori and Alaa al-khafajy .Lambert academic publishing 2016.

2-molecular study on human cytomegalovirus in pregenet and aborted women. Luma G. Alssdi. Sawsan S, Al-Jubori Lambert academic publishing 2016.

B-Recording different sequences genes in NCBI related to spa gene(26 sequences) 23 for CMV and 6 to housekeeping gene for *Acinetobacter baumannii*)

C- MSc thesis : Topics of completed MSc theses

2000 Biochemical and Genetic study for some *E.coli* isolates which produce penicillinase

2001 Detection of *Salmonella* isolates which resist chloramphenicol and studying the genetic factors controlling them

2001 The synergism effect of β – lactamase inhibitors with β – Lactam Antibiotic against gram negative β – lactamase producer bacteria

2001 Comparative study about pyocine production and Antibiotic resistance in *Pseudomonas aeruginosa*

2001 Effect of *Fumaria parviflora* and *Prosopis faretta* extracts on some skin pathogens

2001 Genetics Study of new and old β – lactam antibiotics resistance of *Pseudomonas aeruginosa* and *protaus* isolated from wounds and burns

2002 Studying plasmid profile and virulence factors of *Pasteurella multocida* isolated from Human and farm animals

2003 Determination of Adherence factors of *Proteus mirabilis* isolated from wound and burn infection

- 2004 Detection of gram negative Bacteria and yeasts which causes septicaemia in children and new born.
- 2004 Diagnostics and physiological study on some aquatic fungi
- 2004 Susceptibility testing for β – lactams against clinical Isolates of *Klebsiella spp*: A Pharmacody namic study
- 2004 Influence of 337 nm laser light of some virulence factor of *E.Coli* and *Staphylococcus aureus*.
- 2005 Extraction and purification of lipase enzyme from *Aspergillus niger*. An application study.
- 2005 An epidemiological study about *Vibrio cholera* isolated from Iraq.
- 2007 Effect of 805 nm Diode Laser on plasmid content and some characteristics of locally isolated *E.coli* and *Proteus mirabilis* .
- 2012.Detection of Tem and extended spectrum B-Lactemases in some gram negative bacteria using polymerase chain reaction.
2013. Phenotypic and genotypic study on Aminoglycoside modifying enzymes produced by Methicillin resistance *staph aureus* .
- 2014 Distribution of aminoglycoside resistance mediate by 16S rRNA Methylation among IraqI isolates of *Escherichia coli* and *Pseudomonas aeruginosa*
- 2015 Detection of Resistance patterns toward Aminoglycosides Group among locally isolated *Pseudomonas aeruginosa*
- D-PhD Thesis :Completed PhDs thesis :**
- 2005 Study of some immunological Aspects of some Antigens of *Candida albicans* isolated from vaginal infections.
- 2005 Studying the effect of inhibitory substances produced by *Saccharomyces boulardii* on virulence factors of some enteric bacteria.
- 2006 A Molecular and Genetic study of virulence factors of *Acinetobacter* isolated from different infections.
- 2007 Preparation of a Diagnostic Kit for detecting *Staphylococcus aureus* using TNase ,Coagulase and protein A .
- 2007 Purification and characterization of protease enzyme from *Burkholderia cepacia* locally isolated.
- 2007 Study of some aspects of serological and genetics from a local isolates of *Brucella spp*.
- 2007 Comparison study of Shiga and Shiga like- toxin produced by *Shigella dysenteriae1* and *E.coli* O157:H7 isolated from diarrhoea samples of children using PCR Technique.
- 2007 Bacteriological and Genetic study of *Clostridium perfringens* isolated from clinical samples and some of Baghdad hospital environments.
- 2015 Molecular analysis and typing for HA- MRSA and CA- MARA Isolated from different samples .
- 2016 -molecular study on human cytomegalovirus in pregnant and aborted women
- 2017-**Molecular Analysis of Genetic Elements Responsible for XDR in *Acinetobacter baumannii* and *Klebsiella pneumoniae***

PROFESSIONAL DEVELOPMENT

- **Certifications.**

- :1- Training in the field of Microbial Molecular Genetics & biotechnology at the school of Biosciences .Cardiff University .UK 2008-2009.
- 2- 2013 Training in College of science at Bangor University / UK for one month in the field of Molecular technique
- 3- 2013 Visiting Reading University for a collaboration work with Dr. Alejandra perroti .
- 4-member in the International association of chemical biological and medical science research\ scientific committee \india

• **Conferences. مؤتمرات عالميه ومحليه**

- 20th October 2003 First Conference of Modern Biotech in Biology of Agricultural Science, Iraqi Atomic Energy Commission
- 20th - 22nd April 2004 The 3rd Conference in Medical and Biological , Sciences Amman Jordan
- 19th-24th November 2005 The 18th conference of Arabic Biologists University of al- Hodeida Yemen.
- 10th-11th November 2010 The first conference of biology department College of science for women \Baghdad Iraq
- 8 December 2010 The 2nd conference of Biotechnology research . Centre .Al- Nahrain University
- 4-5 June 2011 The 7th conference of college of science /Al- Mustansiriyah.\iraq
- 2014 , 2015 and 2016 the scientific conferences of LASER held in institute of LASER \ College of Baghdad
- 2015 2nd international conference on civil ,biology and environmental engineering \Istanbul turkey
- 2015 2nd conference of MEMBS (Middle East Molecular Biology Sources- held in Istanbul in Turkey
- 2016 3rd conference of MEMBS (Middle East Molecular Biology Sources- held in Duha
- 2017 4th conference of MEMBS (Middle East Molecular Biology Sources- held in Abo- Dabi
- Workshops >many workshops in Iraq concern with molecular biology