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Specialization: Genetic Engineering and Biotechnology

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Academic degree: Master from Genetic Engineering and Biotechnology Institute for Postgraduate Studies University of Baghdad

current field of Interest:

My interest in genetic engineering and related genetic changes and get mutation experiments on microbiology and the latest methods used in the detection of genes as well as genetic transformation in addition to the most important biotechnology and Nanotechnology

Publications :

1-BIOSAFETY OF GENETICALLY MODIFIED ORGANISMS GMOS /PLANT BIOTECHNOLOGY PROGRAMS: A REVIEW ARTICLE. European Journal of Research Development and Sustainability (EJRDS). Vol. 3 No. 11, November 2022

2-OLEA EUROPAEA OIL ANTIMICROBIAL ACTION IN CONTRADICTION OF MICROBIAL CONTAGIONS : A REVIEW. Plant Archives Vol. 20 Supplement 1, 2020

3-The Seasonal Variations of Polycyclic Aromatic Hydrocarbon Polycyclic: A Review. International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 04, 2020

4- Anticariogenic and antibiofilm of purified bacteriocin of *Lactobacillus curvatus* and immunomodulatory effect of *L. curvatus* in streptococcal bacteremia . Reviews in Medical Microbiology 2019,

5- Use Ethidium Bromide as curing to plasmid in *Staphylococcus aureus* (MRSA) isolated from Patients Iraqi and Screening for Virulence Factors . J. Pharm. Sci. & Res. Vol. 10(9), 2018, 2351-2353

6- High Temperature as a Curing to Change Antibiotic Resistance of *Salmonella Typhi*. Journal of Global Pharma Technology. 2018:10(08):86-89

7- Treatment strategy by lactoperoxidase and lactoferrin combination: Immunomodulatory and antibacterial activity against multidrug-resistant *Acinetobacter baumannii*. Microbial Pathogenesis 114 (2018) 147–152

8- BACTERIAL DIVERSITY OF THE TIGRIS RIVER IN BAGHDAD DURING THE PERIOD OF 2013 TO 2015. Mintage Journal of Pharmaceutical & Medical Sciences. Vol 6, Suppl 1, 2017

9- Correlation between biofilm, protease production and antibiotic resistance in clinical bacterial isolates Journal of Gene c and Environmental Resources Conserva on, 2017, 5(1):28-32.

10- Two novel roles of buffalo milk lactoperoxidase, antibiofilm agent and immunomodulator against multidrug resistant Salmonella enterica serovar Typhi and Listeria monocytogenes. Microbial Pathogenesis . 109 (2017) 221-227

11-PUTATIVE VIRULENCE FACTOR AND ANTIMICROBIAL SUSCEPTIBILITY OF LOCALLY BACTERIA AEROMONAS HYDROPHILA ISOLATED FROM SURFACE TIGRES RIVER IN BAGHDAD, IRAQ. World Journal of Pharmaceutical Research. Vol 5, Issue 4, 2016

12-EFFECTS OF SOME TRADITIONAL PLANTS EXTRACTS ON BACTERIA ISOLATED FROM BURNS, WOUNDS & SKIN DISEASES. World Journal of Pharmaceutical Research. Vol 5, Issue 6, 2016.

13-Studying the Effect of Locally Henna Plant Lawsonia inermis on pseudomonas aeruginosa . IJSRM . July 2016 Vol.:4, Issue:1

14- BACTERIAL ETIOLOGY OF ACUTE OTITIS MEDIA IN BAGHDAD. World Journal of Pharmacy and Pharmaceutical Sciences .Vol 4, Issue 07, 2015.

15-ANTIBACTERIAL EFFECT OF GINGER AND BLACK PEPPER EXTRACTS (ALONE AND IN COMBINATION) WITH SESAME OIL ON SOME PATHOGENIC BACTERIA. World Journal of Pharmacy and Pharmaceutical Sciences. Vol 4, Issue 03, 2015

16- Antibacterial Activity of Hibiscus rosasinensis Extract and Synergistic Effect with Amoxicillin against some Human Pathogens American Journal of Phytomedicine and Clinical Therapeutics. AJPCT[3][01][2015] 020-027

17-Effect mutation factor ultraviolet(UV)light on growth and produced Biofilm from Clinical Isolates Staphylococcus aureus (MRSA). International Journal of Pharmacy and Integrated Life Sciences. Vol 2, No.7, 2014

18-In Vitro Antibacterial Activity of Solanum Lycopersicum Extract against some Pathogenic Bacteria. Food Science and Quality Management. Vol.27, 2014

19-Antibacterial Activity of Citrus Juices against Methicillin Resistant Staphylococcus aureus . Journal of Biology, Agriculture and Healthcare . Vol.4, No.7, 2014

20- Detection of Biofilm production by *Escherichia coli* and Study the Inhibitory effect of honey on it's growth .AL-Mustansiriyah Journal of Science. Vol 25, No 2, 2014

21- DETERMINATION OF OPTIMAL CONDITIONS FOR PROTEASE PRODUCTION FROM LOCALLY ENVIROMENTAL BACTERIA *Aeromonas hydrophila* ISOLATED FROM SURFACE WATERS FOR TIGRES RIVER IN BAGHDAD. Specialist colleges of science, agriculture and veterinary medicine second scientific conference Wassit University.2013

22-The Enteropathogenicity study of *Aeromonas hydrophila* on tissues of organ lab animal. .AL-Mustansiriyah Journal of Science. Vol 24, No 2, 2013

23-ISOLATION *VIBRIO CHOLEARA* FROM WATER TIGER RIVER AND IDENTIFICATION BY NEW METHOD AND STUDY ITS ABILITY TO PRODUCE PROTEASE AND HEAMOLYSIN TOXIN. Eighth Scientific Conference of Science. College of Science AL-Mustansiriyah. .AL-Mustansiriyah Journal of Science. Vol 23, No 4, 2012.

24- Study the sensitivity of bacteria *Plesiomonas shigelloid* to some disinfectants and antibiotics and production of the enzyme beta Haemolysin . Journal of College of Education .No 6.2010.

25-Study of B- Lactamases production from *Burkholderia cepacia* . Diala , Jour ,

الاسم : رشا محمد ساجت العكيلي

اللقب العلمي : استاذ مساعد

التخصص : هندسة وراثية وتقنيات احيائية

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الشهادة : ماجستير في الهندسة الوراثية والتقنيات الاحيائية من جامعة بغداد معهد الهندسة الوراثية والتقنيات الاحيائية للدراسات العليا

تدريسية في قسم علوم الحياة /كلية العلوم /الجامعة المستنصرية

مجال اهتمامي هو : في تطبيقات الهندسة الوراثية والطفرات التي تحدث في الاحياء المجهرية والكشف عن الجينات وكذلك التقنيات الاحيائية والتقنيات النانوية وتطبيقاتها