

مقالات تدريسيوا مركز بحوث التقنيات الاحيائية المنشورة سنة - 2024

1- **Alhammer, A.H.A.**, Al-juboori, S.I. and Mudhafar, S.A., 2024. APR-246 enhances the anticancer effect of doxorubicin against p53-mutant AsPC-1 pancreatic cancer cells. *Baghdad Science Journal*.

<https://doi.org/10.21123/bsj.2024.10135>

[PDF](#)

2- Fathi, S.M., **Alhammer, A.H.** and Ali, I.A., 2024. Testing the cytotoxic potential of biosynthesized nanoparticles using *Conocarpus erectus* Leaves against human breast cancer cells. In *AIP Conference Proceedings* (Vol. 2922, No. 1). AIP Publishing.

<https://doi.org/10.1063/5.0183327>

[PDF](#)

3- Ahmad, R., Mohammed, R. and **Alagely, H.**, 2024. Study the Phenotypic and Antimicrobial Susceptibility of *Pseudomonas aeruginosa* Isolated Clinically from Baghdad Hospitals. *Journal of Biotechnology Research Center*, 18(1), pp.50-58.

<https://doi.org/10.24126/jobrc.2024.18.1.720>

[PDF](#)

4- **Fadhil, R.Z.** and Aadim, K.A., 2024. Cytotoxic Effect of Plasma Activated Medium on the Treated Breast Cancer. *IRAQI JOURNAL OF AGRICULTURAL SCIENCES*, 55(1), pp.371-381.

<https://doi.org/10.36103/bm6h2e50>

[PDF](#)

5- **Ahmed, E.S.**, 2024. Organic food and its health benefits for humans and how it differs from regular food. *International Journal of Medical Science and Dental Health*, 10(02), pp.27-33.

<https://doi.org/10.55640/ijmsdh-10-02-09>

[PDF](#)

6- Issa, T.T., **Dawood, A.S.T.**, Naoum, F.E., Joseph, G.G., Ali, R.H., Nadhir, R.D., Radam, S.M. and Farooq, M.W., 2024. Thermal and mechanical behavior of used food backing paper–Epoxy recycling materials. In *AIP Conference Proceedings* (Vol. 2922, No. 1). AIP Publishing.

<https://doi.org/10.1063/5.0188037>

7- Shafiq, N.E., Mahdee, A.F. and **Mohammed Hasan, Z.Y.**, 2024. Leaf Extracts of *Moringa oleifera* Cultivated in Baghdad: Characterization and

Antimicrobial Potential against Endodontic Pathogens. *The Scientific World Journal*, 2024.

<https://doi.org/10.1155/2024/6658164>

[PDF](#)

8- Salman, A.K., **Hasan, Z.Y.M.** and Al-Kenanny, E.R., 2024. Experimentally Histological Assessment for the Effect of Resveratrol in the Liver of Mice. *Annual Research & Review in Biology*, 39(3), pp.7-17.

<https://doi.org/10.9734/arrb/2024/v39i32061>

[PDF](#)

9- **Hasan, A.F.**, Hameed, H.M. and Alyasiri, T., 2024. Role of Vitamin B17 against Colitis Bearing Female Mice Induced Variations in Some Blood Parameters. *Annual Research & Review in Biology*, pp.27-37.

<https://doi.org/10.9734/arrb/2024/v39i130626>

[PDF](#)

10- Hameed, H.M., **Hasan, A.F.** and Razooki, Z.H., 2024. Effect of Some natural products against Ehrlich Ascites Carcinoma in mice: A Review. *Journal of Al-Farabi for Medical Sciences*, 1(1).

<https://doi.org/10.59746/jfms.v1i1.84>

[PDF](#)

11- **Hasan, Z.Y.M.**, **Al-Halbosiy, M.M.**, Hameedi, W.B. and **Hasan, A.F.**, 2024. Antiviral Activity of Some Herbs against Polio Virus in Vitro. *Journal of Biotechnology Research Center*, 18(1), pp.40-49.

<https://doi.org/10.24126/jobrc.2024.18.1.733>

[PDF](#)

12- **Hasan, A.F.**, Hameed, H.M., Hussein, M.S., Abbood, A.S. and Jawad, A.A., 2024. Impact of Essential Oils (Orange Peels) on Ehrlich Ascites Carcinoma Against Cardiac Damage in Female Mice. *Journal of Medical and Life Science*, 6(1), pp.41-50.

<https://dx.doi.org/10.21608/jmals.2024.266129.1018>

[PDF](#)

13- Kawila, A., Hameed, H., **Hasan, A.** and **Attia, H.**, 2024. Anti-microbial and cytotoxic activities of green and ripe banana peel. *Biological and Biomedical Journal*, 2(2).

<https://dx.doi.org/10.21608/bbj.2024.258225.1015>

[PDF](#)

14- Othman, S.S., Saafan, A., **Al-Halbosiy, M.M.**, Fathy, I., Alam, M.K., El-Beialy, A.R., Al-Shmgani, H.S. and Sulaiman, G.M., 2024. Ameliorating

orthodontic relapse using laser bio-stimulation and mesenchymal stem cells in rats. *Journal of Genetic Engineering and Biotechnology*, 22(1), p.100331.

<https://doi.org/10.1016/j.jgeb.2023.100331>

[PDF](#)

15- AL-Anbari, A.K., AL-Hadeethi, M.A. and Iqbal, M., 2024. Anatomical and Molecular Study of Capsicum L. Taxa (Solanaceae Family) Cultivated in Iraq. *Journal of Biotechnology Research Center*, 18(1).

<https://doi.org/10.24126/jobrc.2024.18.1.711>

[PDF](#)

16- Hasan, A. F., Jasim, N., suhail, M., Abid, A., Tousson, E. (2024). Role of Salvia hispanica seeds extract on Ehrlich ascites model induced liver damage in female mice, *Journal of Bioscience and Applied Research*, 10(2), pp. 161-169.

<http://doi.org/10.21608/jbaar.2024.274518.1040>

[PDF](#)

17-- Mohanad Salam Hussein, Sarah Nabeel Lamam, Sarmed Mohammed Hussein, and Ahmed Flayyih Hasan.2024. Toxic effect of Thiamethoxam and Lambda cyhalothrin on Nephrotoxicity and Hematological in rats. *Afr.J.Bio.Sc.* 6(5) (2024). 3925-3938

<https://doi.org/10.33472/AFJBS.6.5.2024.3925-3938>

[PDF](#)

18- Al-Haially F.F.; Rasheed M.N.; Al-Halbosiy M.M.2024. Expression of Toll-like receptor4 (TLR4) in a sample of Iraqi women with Breast Cancer. *Frontiers in Health Informatics* 13(3): 1776-1789

[PDF](#)

19- Shaker,A. T. , Al-Ahmer,S. D. and Thamer Samawi,F. (2024). Study the Correlations Between HSV Viral Load and Semen Parameter in Infertile and Fertile Iraqi Male. *Journal of Obstetrics, Gynecology and Cancer Research*, 9(4), 442-449.

<https://doi.org/10.30699/jogcr.9.4.442>

[PDF](#)

20- H. M. . Ismaeel, H. . Badro, A. Q. . Khazaal, and N. S. . Ahmed, “Determining the Genetic Markers of Schizophrenia using Molecular Diagnosis”, *Iraqi Journal of Science*, vol. 65, no. 7, pp. 3738–3753, Jul. 2024,

<https://doi.org/10.24996/ijs.2024.65.7.15>

[PDF](#)

21- Abdulfattah, S. Y., Salman Alagely, H., Abid Kathum, O., & Samawi, F. T. (2024). Association of serum level of TGF-B1 and its genetic

polymorphisms (C509T and T869C) with Ischemic heart disease in Iraqi population. Human immunology, 85(6), 111145.
<https://doi.org/10.1016/j.humimm.2024.111145>

22- Emad, M., **Alhammer , A. H.**, Mohammed, R. K., & Lafta, F. M. (2024). Synergistic Effects Of Neem Oil And Gentamicin On Pseudomonas Aeruginosa Via Phzm Gene Downregulation: A Comprehensive Review. Journal of Microbiology, Biotechnology and Food Sciences, 14(2), e11095.
<https://doi.org/10.55251/jmbfs.11095>
[PDF](#)

23- Alhammer, A.H., Alkufi, S.G., Al-Juboori, S.I., & Mudhafar, S.A. (2025). KIF15 inhibitor suppresses the proliferation and migration, and induces the apoptosis of breast cancer cells. World Academy of Sciences Journal, 7, 3.
<https://doi.org/10.3892/wasj.2024.291>

24- Al-Asadi, S. A., Abdul Wahhab, B. H., Bootwala, J., Alwatar, W. M. A., & Al-Kahachi, R. E. S. (2024). Unraveling antibiotic resistance in Achromobacter mucicolens IA strain: genomic insights, structural analysis, and prospects for targeted therapeutics. Microbiology spectrum, 12(12), e0392623.
<https://doi.org/10.1128/spectrum.03926-23>
[PDF](#)

25- Al-Sa'ady, A.J., Ibrahim, A.H., Abdulameer, Z.W., Saady, S., Al-Fayyadh, M.S., & Ahmed, D.M. (2024). Glucose production from wheat straw by cellulase activity produced by local isolate of Aspergillus terreus AJ3 under solid-state fermentation. Asia Pacific Journal of Molecular Biology and Biotechnology.
<https://doi.org/10.35118/apjmbb.2024.032.2.19>

26- Al Chalabi S.M.M., Al-Swefee D.Z.; Zayer A.J.; Sail A.I. 2024. Biochemical and Immunological responses to use dexamethasone in rats. O&G Forum 2024; 34 –3s: 1498-1501
[PDF](#)

27- S. R. Ibraheem, E. S. . Ahmed, Z. F. . Mahmoud, and **H. I. . Abid Al-Bari**, 2024. Study the Effects of Annona sp. Extract on Some Physiological Parameters and Fertility in Diabetic Mice. Iraqi Journal of Science, (65)6: 3027–3039.
<https://doi.org/10.24996/ijs.2024.65.6.6>
[PDF](#)

28- Asaad, J. I., Alazzawi, K. S. A., Rasheed, S. S., **Algafari, R. N.**, Ramadhan, R. S., Qamandar, M. A., Talib, S. S., & Fadhil, R. Z. (2024). The Possible Role of Progesterone Receptors in Prostate Cancer Incidences in

the Iraqi Population. *Frontiers in bioscience (Scholar edition)*, 16(3), 16.
<https://doi.org/10.31083/j.fbs1603016>
[PDF](#)

29- Abbas, A. A. (2024). Preparation Protein Hydrolysate From Moringa Oleifera and Its Use as Fortified Vegetarian Food. *South Eastern European Journal of Public Health*, 758–765.
<https://doi.org/10.70135/seejph.vi.1480>
[PDF](#)

30- Alhilfi H.O.M.; Ahmed E.S. 2024. Hormonal Induction and Synchronization of Estrus in Mice. *OM&P* 2024. (11)4: 122-129.
<https://doi.org/10.24412/2500-2295-2024-4-122-129>
[PDF](#)

31- Aljeboury, G. H., Dawood, A. T., Khalaf, R. A., Algefari, R. N., Ramadhan, R. S., & Talib, S. S. (2024). Isolation of a Novel Bacterium Isolate Capable of Utilizing Crude Oil and Diesel Oil Spills as a Biological Bioremediation Agent. *Frontiers in bioscience (Elite edition)*, 16(4), 31.
<https://doi.org/10.31083/j.fbe1604031>
[PDF](#)

32- Mansoor R.J.; **Hasan Z.Y.M.** Zaidan Y.H.2024. Anticancer Activity Of Phloretin Compound Purified From Iraqi Malus Domestica L. (Apple) Leaves. *Georgian Medical News*, 4(349): 126-136
[PDF](#)

33- Mohammed Hasan ZY. Total Phenolic, Flavonoid Contents, and Antioxidant Activities of Different Parts of Malus domestica L. in Iraq. *Iraqi Journal of Pharmaceutical Sciences*, 33(4):174-89.
<https://bijps.uobaghdad.edu.iq/index.php/bijps/article/view/2777>
[PDF](#)

34- A. S. . Abed and E. H. . Jassim, 2024. Enhancement of the Production of Tropane Alkaloids in the Hyoscyamus Niger L. Callus Using Different Biotic Elicitors”, *Iraqi Journal of Science*, (65) 9: 4993–5004.
<https://doi.org/10.24996/ijs.2024.65.9.16>
[PDF](#)

35- Abed A.S. and Taha A.A.J. 2024. Biotic and Abiotic Elicitors Induce Biosynthesis and Accumulation of Some Withanolide Compounds in the Callus Culture of Withania somnifera L. *Egyptian Journal of Botany*, (64)1: 1-12.
<https://doi.org/10.21608/ejbo.2023.153598.2083>

36- Majeed DM, Al-Shahwany AW, Bakhsh A.2024. Effects of different growth hormones on *Solanum tuberosum* L. callus induction and regeneration. *Plant Science Today* (Early Access).

<https://doi.org/10.14719/pst.4056>

[PDF](#)

37- Omer Abid Kathum, Saafa Abd.Al-kahdum, Umniah Abd-Al-Naser Saleh Hadi, Sarah Kamil Abood, Shaimaa Y. Abdulfattah, Genetical and cellular induction of interferon genes via the treatment with (*Allium sativum*) garlic extract against recombinant influenza A/Puerto Rico/8/34 H1N PR8 infection, *Gene Reports*, (37)102069

<https://doi.org/10.1016/j.genrep.2024.102069>

38- Erfan, A., Yousif, E., Alshanon, A., Ahmed, D. S., Kariuki, B. M., & El-Hiti, G. A. (2025). Cytotoxic and Apoptotic Effects of Tin(IV) Complexes Containing a Schiff Base Derived from Cephalixin on a Breast Cancer Cell Line. *Indian journal of clinical biochemistry, IJCB*, 40(3), 434–444.

<https://doi.org/10.1007/s12291-024-01207-x>

39- A.F. Hasan; A.A. Alankooshi; M.N. Modher; S.A. El-Naggar; H.M. El-Wahsh; A.E. El-Bagoury; S.I. Sakr; R.S. El-Deen; E. El-Nahas and D.I. Kabil, 2024. *Artemisia Annu*a Extract Ameliorates Hepato-Renal Dysfunctions in Obese Rats. *OM&P*, (11) 2: 47-65.

<https://doi.org/10.24412/2500-2295-2024-2-47-65>

[PDF](#)

40- Hasan Flayyih Ahmed, Hameed Mushtaq Haneen, Hadid Attiyah Mustafa, Tousson Ehab (2024). Impact of Chia (*Salvia hispanica*) Seeds Extract on Ehrlich Ascites Model Induced Kidney Toxicity in Female Mice . *Asian Journal of Dairy and Food Research*. 43(4): 750-756.

<https://doi.org/10.18805/ajdfr.DRF-397>

[PDF](#)

41- Ammar Yahya, Wael Adil Obaid, Omar Mohammed Hameed and Ahmed Flayyih Hasan. 2024. Histopathological and immunohistochemical studies on the effects of silver oxide nanoparticles (AgNPs) on male rats' liver. *Journal of Bioscience and Applied Research*. (10)3: 392-398.

<https://doi.org/10.21608/jbaar.2024.298240.1054>

42- H.M. Al-Khuzaay; Y.H. Al-Juraisy; A.F. Hasan and E. Tousson. 2024. Antitumor Activity of β -Glucan Isolated from Date Fruits on Cancer Cells In Vivo. *OM&P* (11) 3: 41-48.

<https://doi.org/10.24412/2500-2295-2024-3-41-48>

[PDF](#)

43- El-Rahman, H. A. A., **Hasan, A. F.**, Alyasiri, T., El-Wahsh, H. M., Althubiani, S. A., Basyony, M. A., El-Naggar, S. A., & Mahmud, D. H. (2024). Co-Treatment with Cranberry and Vitamin-C Mitigates Reproductive Toxicities Induced by Phenobarbital in Male Rats. *Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology*, 58(6), 722–738.

<https://doi.org/10.33594/000000745>

[PDF](#)

44- Al-Mashhadani, Tabarak; Hatem, Mustafa; Obayes, Khudhur; Hussein, Mohanad and **Flayyih Hasan, Ahmed**. (2024). DF-657 [1-7] Biochemical Effects of Silver Nanoparticles Prepared by Chemical Reduction Method on Male Rat Kidney Functions and Antioxidant Defense Systems. *Agricultural Science Digest*: 1-7.

<https://doi.org/10.18805/ag.DF-657>

[PDF](#)

45- Hameed, H.M., Razooki, Z.H., **Hasan,A.F.**, Rasool, A.A.A.A. and Abed, I.J. (2024). Therapeutic Effect of Essential Oils (Citrus sinensis) against Ehrlich Ascites Model Induced Renal Toxicity in Female Mice. *Agricultural Science Digest*:1-7.

<https://doi.org/10.18805/ag.DF-632>

46- Alyasiri, T., **Hameed, H.M.** and Hasan,A.F. (2024). The Effects of Bisphenol A of Polycarbonate Plastic on Various Blood and Fertility Parameters, Along with Histological Changes in Male Albino Rats. *Asian Journal of Dairy and Food Research*. 1-7.

<https://doi.org/10.18805/ajdfr.DRF-435>

47- Abdulfattah, S. Y., Alagely, H. S., & Samawi, F. T. (2024). Influence of the rs4238001 Genetic Polymorphism of the SR-B1 Gene on Serum Lipid Levels and Response to Rosuvastatin in Myocardial Infarction Iraqi Patients. *Biochemical genetics*, 62(5), 3557–3567.

<https://doi.org/10.1007/s10528-023-10613-4>

48- Moqbel Hassan Alzubaydi, N., Oun Ali, Z., **Al-Asadi, S.**, & Al-Kahachi, R. (2024). Design and characterization of a multi-epitope vaccine targeting Chlamydia abortus using immunoinformatics approach. *Journal of biomolecular structure & dynamics*, 42(13), 6660–6677.

<https://doi.org/10.1080/07391102.2023.2240891>

50- Omer Abid Kathum, Saafa Abd.Al-kahdum, Umniah Abd-Al-Naser Saleh Hadi, Sarah Kamil Abood, Shaimaa Y. Abdulfattah,

Genetical and cellular induction of interferon genes via the treatment with (Allium sativum) garlic extract against recombinant influenza A/Puerto Rico/8/34 H1N PR8 infection, Gene Reports, 37,2024,102069,
<https://doi.org/10.1016/j.genrep.2024.102069>.

51- El-Rahman, H. A. A., Hasan, **A. F.**, **Alyasiri**, T., El-Wahsh, H. M., Althubyani, S. A., Basyony, M. A., El-Naggar, S. A., & Mahmud, D. H. (2024). Co-Treatment with Cranberry and Vitamin-C Mitigates Reproductive Toxicities Induced by Phenobarbital in Male Rats. Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology, 58(6), 722–738.
<https://doi.org/10.33594/000000745>
[PDF](#)

52- Al-Asadi SA, Abdul Wahhab BH, Bootwala J, Alwatar WMA, Al-Kahachi RES.2024.Unraveling antibiotic resistance in Achromobacter mucicolens IA strain: genomic insights, structural analysis, and prospects for targeted therapeutics. Microbiol Spectr.12(12):e03926-23.
<https://doi.org/10.1128/spectrum.03926-23>
[PDF](#)

53- M. Mohammad, O., A. Salih, T., & M. **Al-Halbosiy , M.** (2024). Impact of Some Immunological Parameters (antioxidant – cytokines) in Cutaneous leishmaniasis in a Sample of Patients in the Al-Ramadi City. Journal of Biotechnology Research Center, 18(1), 97–104.
<https://doi.org/10.24126/jobrc.2024.18.1.781>
[PDF](#)

54- Hadid, M., . Al-Shaibani , A. ., & **Al-Halbosiy , M.** (2024). Prevalence and Antibiotic Susceptibility of Gram-Negative Bacteria Isolated from Different Meat Samples in Baghdad City. Journal of Biotechnology Research Center, 18(1), 78–86.
<https://doi.org/10.24126/jobrc.2024.18.1.713>
[PDF](#)

55- Dawood, A. T., Alazzawi, K. S., Salman, I. H., & A., K. (2024). Removal of Colloidal Suspension through Coagulation – Flocculation Process In Water Purification – A Review. Journal of Biotechnology Research Center, 18(2), 38–64.
<https://doi.org/10.24126/jobrc.2024.18.2.827>
[PDF](#)

56- R. Jaber, N., & A. Al-Bakri, N. (2024). The Morphological and Histopathological Liver Abnormalities Caused by Carbamazepine-Induced

Injury in Female Albino Mice. Journal of Biotechnology Research Center, 18(1), 105–118.

<https://doi.org/10.24126/jobrc.2024.18.1.778>

[PDF](#)

57- Hasan, Z. Y., Aljeboury, G. H., Obaid, W. A., & Khalaf, R. A. (2024). Phytochemical and Antimicrobial Study for Phoenix dactylifera L. (Ajwa Date) Seeds Extract : Ajwa Seeds Extract Biological activity. Journal of Biotechnology Research Center, 18(2), 119–133.

<https://doi.org/10.24126/jobrc.2024.18.2.880>

[PDF](#)

58- Albadri H.M.; Al-Juboori I.S. and **Hasan Z.Y.**2024. Antihypertrophic Scar Effect of Iraqi Plantago major Extracts. (2024). Al Mustansiriyah Journal of Pharmaceutical Sciences, 24(3), 320-329.

<https://doi.org/10.32947/ajps.v24i3.1068>

[PDF](#)

59- Erfan, A.; Yousif, E.; **Alshanon, A.** ; El-Hiti, G. Organotin(IV) Complexes As Chemotherapeutic Drugs Against Different Types of Cancer Cell Lines: A Review. Al-Nahrain J. Sci. 2024, 27 (5), 70-77.

<https://doi.org/10.22401/vzk9yg28>.

[PDF](#)

60- Flayyih , A. H., & AL Magdamy, B. A. (2025). Phytoremediation of Petroleum Hydrocarbon by Micro Green Algae: A Review. Journal of Biotechnology Research Center, 18(2), 134–144.

<https://doi.org/10.24126/jobrc.2024.18.2.805>

[PDF](#)

61- Zainab Y. M. Hasan, M. A. M. M. A. M. (2024). A COMPARATIVE MOLECULAR STUDY OF THE GENE ENCODING THE ENZYME CYTOSINE DEAMINASE EXTRACTED FROM SACCHAROMYCES CEREVISIAE . Obstetrics And Gynaecology Forum, 34(3s), 1389–1393.

Retrieved

From

<https://www.Obstetricsandgynaecologyforum.Com/Index.Php/Ogf/Article/View/481>

[PDF](#)

62- Hameed, H.M., Razooki, Z.H., Hasan, A.F., Rasool, A., & Abed, I.J. (2024). Therapeutic Effect of Essential Oils (Citrus sinensis) against Ehrlich Ascites Model Induced Renal Toxicity in Female Mice. Agricultural Science Digest - A Research Journal.

63- Elsayed, H.; Gebril, S. And **Ismail, E.** 2024. Determination Of Molecular Markers By Rapd Technique Associated With Four Melon Genotypes Under 50% Irrigation Conditions. Life Science and Sustainable Development, 5(2).

<https://doi.org/10.58509/9rxfer59>

[PDF](#)

64- Sarmed Mohammed Hussein,* Ali Mahdi Salih, **Mawj Numan Modher,** Huda

Mushtaq Talib ,Hassan Mazin Mohammed 2024. Antibacterial effect of plantago major extract on staphylococcus aureus biofilm, Afr.J.Bio.Sc.6.12.

<https://doi.org/10.48047/AFJBS.6.12.2024.71-84>

[PDF](#)

65- Sura S Talib. (2024). Study of antimicrobial activity of Thymus vulgaris extract Against bacterial acne vulgaris. OBAT: Jurnal Riset Ilmu Farmasi Dan Kesehatan, 2(4), 259–268.

<https://doi.org/10.61132/obat.v2i4.578>

[PDF](#)

66- Alkufi, S.J.; Zeki, D.; Mahmood A. ; and Kaab, F.2024. Blood Groups Genetic Susceptibility Associated with Infectious Disease and Covid-19. European Multidisciplinary Journal of Modern Science 26(4):73-88.

<https://doi.org/10.51699/emjms.v26i4.44>

67- Zayier AJ (2024). Anthelmintic effect of silver nanoparticles of Citrullus colocynthis on Leishmina tropica isolated from pet animals in vitro. J. Anim. Health Prod. 12(s1): 223-231.

<https://dx.doi.org/10.17582/journal.jahp/2024/12.s1.223.231>

[PDF](#)