

Publications:

1. **Wadaan, M. A. M.**, Isolation of new mutants in RA376 strain of *Physarum polycephalum* using UV-irradiation. *Journal of Union of Arab Biologists* (2003). 20(A), Zoology: 55-73.
2. **Wadaan, M. A. M.**, Complementation analysis of new npf mutants in RA376 strain of *Physarum polycephalum* at the diploid amoebal stage. *Journal of the Egyptian German Society of Zoology* (2005). (46B), *Vertebrate Anatomy & Embryology*: 61- 76.
3. **Wadaan, M. A. M.**, Heavy Metal Cadmium and its Implication on the Developmental Stages and Abnormalities in Freshwater Snail *Lymnaea auricularia* (Lymnaeidae: Gastropoda) from Al-Hasa, the Eastern Province of Saudi Arabia. *Pakistan Journal of Biological Sciences* (2005). 8(6): 785-789.
4. **Wadaan, M. A. M.**, Immature Larval Stages of *Echinostoma* sp. Sought in *Indoplanorbis exustus* in the Fresh Water Stream in Al-Hasa, Saudi Arabia. *Journal of Biological Sciences* (2005). 5(5): 606-609.
5. **Wadaan, M. A. M** and Mubarak, M., Skin Lesions Induced by Sodium Lauryl Sulfate (SLS) in Rabbits. *Journal of Medical Sciences* (2005). 5(4): 320-323.
6. **Wadaan, M. A. M** and Mubarak, M., Effect of an Oxidative Hair Dye on the Skin of Domestic Rabbits. *Journal of Biological Sciences* (2005). 5(6): 809-812.
7. **Wadaan, M. A. M.**, Toxicological Evaluation of Synthetic Detergent-induced Effects in Rat Skin. *Journal of King Saud University* (2006). Vol. 19, *Science* (1): 1-8.
8. **Wadaan, M. A. M.**, Blood Chemistry of Domestic Rabbits Exposed to an Oxidative Hair Dye. *International Journal of Pharmacology* (2006). 2(3): 276-279.
9. **Wadaan, M. A. M.**, The fresh water growing snails *Physa acuta*: a suitable bioindicator for testing cadmium. *Saudi Journal of Biological Science* (2007). 14(2): 185-190.
10. **Wadaan, M. A. M.**, Effect of some Commonly Consumed Vegetable Salad Rockets on the Growth and Development of Juvenile Fresh Water Snail *Physa Acuta*. *Journal of the Egyptian German Society of Zoology* (2007). (54D), *Invertebrate Zoology & Parasitology*: 121- 128.
11. **Wadaan, M. A. M.**, Efficacy of Some Dried Green Salad Leaves on the Growth of Juvenile Snail *Lymnaea Auricularia* under Laboratory Conditions. *Journal of the Egyptian German Society of Zoology* (2007). (54D), *Invertebrate Zoology & Parasitology*: 113- 120.
12. Alarifi S. A., Almansour M. I., **Wadaan, M. A. M.**, Ultrastructural Alterations Induced by a Single Dose of Cadmium in the Liver and Kidney of Mice. *Saudi Journal of Biological Science* (2008). 15(3): 105-111.
13. **Wadaan, M. A. M** and Mubarak, M., Blood Chemistry Changes as an Evidence of the Toxic effects of Anionic Surfactant. *Asian Journal of Scientific Research* (2009). 2(2): 113-118.
14. **Wadaan, M. A. M.**, Effects of mercury exposure on blood chemistry and liver histopathology of male rats. *Journal of Pharmacology and Toxicology* (2009). 4(3): 126-131.



15. **Wadaan, M. A. M.**, Effects of arsenic exposure in rats on the blood chemistry of serum and histopathology of liver. *Journal of Ultra Science of Physical Science* (2009). 21(1): 129-136.
16. **Wadaan, M. A. M.**, Effects of repeated exposure to talcum powder on rabbit skin. *Indian Journal of Applied & Pure Biology* (2009). 24(1): 111115.
17. **Wadaan, M. A. M.**, Long-term effects of black seed and garlic Oil on the offspring of two consecutive pregnancies in rats. *Journal of King Saud University*. (2009). Vol. 21, Science (1): 155-161.
18. Ahmad, M., Elnakady, Y., Farooq, **M.**, **Wadaan, M.**, Lithium Induced Toxicity in Rats: Blood Serum Chemistry, Antioxidative Enzymes in Red Blood Cells and Histopathological Studies. *Biol. Pharm. Bull.* (2011). Vol. 34(2): 272-277.
19. Ali S. Al-Ghamdi, **Mohammad A.M. Wadaan**, Ahmed M. El-Garhy, Mohamed E. El-Shimy and Essam F. Abou-Sawan. Quantitative Approach for Research Chairs Evaluation in King Saud University. *Asian Journal of Business Management*. (2011). Vol. 3(3): 228-234.
20. Fahd Abdu Al-Mekhlafi1, Ashraf Mohamed Ali Mashaly, **Mohamed Ahmed Wadaan** and Nazar M. Al-Mallah. Cryomazine concentration and host type effects on the biology of the southern cowpea weevil *Callosobruchus maculatus* F. *African Journal of Microbiology Research* (2011). Vol. 5(20): 3321-3326.
21. Fahd Abdu Al-Mekhlafi, Ashraf Mohamed Ali Mashaly, Ahmed A. Mahmoud Abdel Mageed, **Mohamed Ahmed Wadaan** and Nazar M. Al-Mallah. Overlap effects of cyromazine concentration, treatment method and rearing temperature on the Southern cowpea weevil (*Callosobruchus maculatus* F.) reared on cowpea. *African Journal of Microbiology Research* (2011). Vol. 5(32): 5848-5853.
22. Nael Abu Taha and **Mohammed A. Al-wadaan**. Utility and importance of walnut, *Juglans regia* Linn: A review. *African Journal of Microbiology Research* (2011). Vol. 5(32): 5796-5805.
23. Fahd A Al-Mekhlafi, Ashraf MA Mashaly, Hossam Ebaid, **Mohamed A Wadaan** and Nazar M Al-Mallah. Control of the seed beetle *Callosobruchus muculatus* reared on chickpeas by different applicable conditions of the insect growth regulator, Cyromazine. *Scientific Research and Essays* (2012). Vol. 7(1): 55-60.
24. Fahd Abdu Al-Mekhlafi, Ashraf Mohamed Ali Mashaly, Ahmed A, **Mohamed Ahmed Wadaan** and Nazar M. Al-Mallah. Overlap Effects of Cyromazine Concentration, Treatment Method and Rearing Temperature on Southern Cowpea Weevil *Callosobruchus maculatus* Reared on Mung Bean. *Pakistan J. Zool* (2012). Vol. 44(1): 285-290.
25. Ahmed A Elzatahry, Abdullah M Al-Enizi, Elsayed Ahmed Elsayed, Rachel R Butorac, Salem S Al-Deyab, **Mohammad AM Wadaan**. Alan H Cowley, Nanofiber composites containing N-heterocyclic carbene complexes with antimicrobial activity. *International Journal of Nanomedicine* (2012). 7: 2829–2832.
26. Muhammad Farooq, Ayman El-faham, Mohammad Ahmad, Ahmaed Saad Sami and **Mohammad A. Wadaan**. Teratogenic Profile of Valproic Acid and Newly Synthesized Derivatives in Zebrafish Embryos. *Internatinal Journal of Agriculture & Biology* (2012) 14: 894–900.

27. Reyad, A.M.; Hozzein, W.N. and **Wadaan, M.A.M.** Enzymatic potential and characterization of some extreme bacteria isolated from saline and salt-affected soils in Egypt. *Afr J Microbiol Research* (2012). 6(2): 7013- 7020.
28. Fahd Abdu Al-Mekhlafi, Ashraf Mohamed Ali Mashaly, **Mohamed Ahmed Wadaan**, and Nazar M. Al-Mallah. Effect of Different Applicable Conditions of the Insect Growth Regulator (Cyromazine) on the Southern Cowpea Weevils, *Callosobruchus aculatus* Reared on Peas. *Pakistan J. Zool.* (2012) 44(2), pp.481-488, 2012
29. Al-Mekhlafi, F.A. Abu Taha, N. Mashaly A. M.A., and **Wadaan MA**, Larvicidal Activity of Selected Xerophytic Plants against *Culex pipiens* and *Aedes caspius* (Diptera: Culicidae) (2013). *Pakistan journal of Zoology.* vol. 45(1),241-246.
30. Muhammad Farooq, Wael N Hozzein, Elsayed A Elsayed, Nael A Taha, **Mohammad AM Wadaan**. Identification of histone deacetylase 1 (HDAC1) protein complex in liver cancer cells. *Asian Pacific Journal of Cancer Prevention* (2013) vol. 14(2): 915- 921.
31. **Mohammad AM Wadaan**, Mohammad Ahmad and Muhammad Farooq. Effectiveness of zinc in modulation perinatal effects of arsenic on the teratological effects in mice offspring. *Biological Research* (2013). 2013; 46: 131 – 138.
32. Hozzein, W.N., Farooq, M., Al-Malki, A.H. and **Wadaan, M.A.M.** Developmental effects of extracts produced by some newly isolated actinobacteria on the heart of zebrafish, *Danio rerio*, embryos. *African Journal of Pharmacy and Pharmacology* (2013) 7, (25): 1680- 1685.
33. Zhang YG, Wang HF, Liu Q, Hozzein WN, **Wadaan MA**, Cheng J, Chen YJ, Zhang YM, Li WJ. *Streptomyces fukangensis* sp. nov., a novel alkaliphilic actinomycete isolated from a saline-alkaline soil. *Antonie van Leeuwenhoek* (2013). DOI 10.1007/s10482-013-0045-8.
34. Muhammad Farooq, **Mohammad AM Wadaan**. Epigenetic targets in hepatocellular carcinoma cells: identification of chaperone protein complexes with histone deacetylases (2013). *Epigenomics*, 5(5): 501512.
35. Ahmed Elzatahry, Taher A. Salah El-Din, Elsayed Ahmed Elsayed, Daifallah M. Aldhayan, **Mohammad AM Wadaan**, Abdullah M. AlEnizi and Salem S. Al-Deyab. Au/Ag Core-Shell/Zeolite Nanocomposites with Antimicrobial Activity. *Journal Science of Advanced Materials* (2013).
36. Hesham El Enshasy, El sayed Elsayed, Ramlan Aziz, and **Mohammed Al Wadaan**. Mushrooms and Truffles: Historical Biofactories for Complementary Medicine in Africa and in the Middle East. *Evidence-Based Complementary and Alternative Medicine* (2013). *Evidence-Based Complementary and Alternative Medicine*. Volume 2013, Article ID 620451.
37. Hesham El Enshasy, Elsayed Ahmed Elsayed and **Mohammad Wadaan**. Mushrooms: A Potential Natural Source for AntiInflammatory Compounds for Medical Applications (2013).
38. Elsayed A Elsayed, Hoda Omar, Hasnaa R Shahin, Hamida AbouShleib, Maha El-Demellawy, **Mohammad Wadaan**, Hesham A ElEnshasy. Production of monoclonal antibody, Anti-CD3 by hybridoma cells cultivated in Basket Spinner under free and immobilized conditions. *BMC Proceedings* (2013), 7(Suppl 6):P57.

39. Elsayed A. Elsayed and **Mohamad A. Wadaan**. The Potential of Hydrocyclone Application for Mammalian Cell Separation in Perfusion Cultivation Bioreactors. *International Journal of Biotechnology for Wellness Industries*, (2013), 2, 153-163.
40. Hoda Omar, Elsayed A. Elsayed, Ahmed A. Kenawy, **Mohamed A. Wadaan** and Hesham A. El Enshasy. Effect of Cultivation Scale and Shear Stress on Cell Growth and Oxytetracycline Production by *Streptomyces rimosus* in Semi-Defined Medium. *Journal of pure and applied microbiology*, (2014) Vol. 8(1), p. 121-128.
41. Nor Zalina Othman, Elsayed A. Elsayed, Roslinda Abd Malek, Solleh Ramli, Helmy J. Masri, Mohamed R. Sarmidi, Ramlan Aziz, **Mohamad A. Wadaan**, Rajni Hatti-Kaul and Hesham A. El Enshasy. Aeration Rate Effect on the Growth Kinetics, Phytase Production and Plasmid Stability of Recombinant *Escherichia coli* BL21 (DE3). *Journal of pure and applied microbiology*, (2014) Vol. 8(4), p. 2721-2728.
42. Nael Abutaha, Muhammad Farooq, Fahd Abdu Al-Mekhlafi, Baabbad Almohannad, Sabir Shehata and **Mohammad Wadaan**. Evaluating Developmental Toxicity of Solvent Fractions Obtained from *Pulicaria glutinosa* on Zebrafish Embryo and their Antimicrobial Potential. *Journal of pure and applied microbiology*, (2014) Vol. 8(4), p. 2679-2685.
43. Ayman El-Faham, Muhammad Farooq, Sherine Nabil Khattab, Ahmed Mohamed Elkayal, Mahmoud Fawzy Ibrahim, Nael Abutaha, **Mohammad Ahmad Wadaan** and Ezzat Awad Hamed. Synthesis and Biological Activity of Schiff Base Series of Valproyl, NValproyl Glycinyll, and N-Valproyl-4-aminobenzoyl Hydrazide Derivatives. *Chem. Pharm. Bull.* (2014) 62(6) 591–599.
44. Kaihui Liu, Xiaowei Ding, Hong-Fei Wang, Xiaomei Zhang, Wael N. Hozzein, **Mohammed A. M. Wadaan**, Afeng Lan, Bo Zhang, Wenjun Li. Eukaryotic microbial communities in hypersaline soils and sediments from the alkaline hypersaline Huama Lakeas revealed by 454 pyrosequencing. *Antonie van Leeuwenhoek* (2014) 105:871–880 DOI 10.1007/s10482-014-0141-4.
45. Shan-Hui Li, Yi Jin, Juan Cheng, Dong-Jin Park, Chang-Jin Kim, Wael N. Hozzein, **Mohammed A. M. Wadaan**, Wen-Sheng Shu, LinXian Ding, Wen-Jun Li. *Gordonia jinhuaensis* sp. nov., a novel actinobacterium, isolated from a VBNC (viable but non-culturable) state in pharmaceutical wastewater. *Antonie van Leeuwenhoek* (2014) 106:347–356 DOI 10.1007/s10482-014-0207-3.
46. Bing-Bing Liu, Wan-Yu Zhao, Xiao Chu, Wael N. Hozzein, Deene Manik Prabhu, **Mohammed A. M. Wadaan**, Shu-Kun Tang, Li-Li Zhang, Wen-Jun Li. *Haladaptatus pallidirubidus* sp. nov., a halophilic archaeon isolated from saline soil samples in Yunnan and Xinjiang, China. *Antonie van Leeuwenhoek* (2014) DOI 10.1007/s10482-014-0259-4.
47. Wen-Jun Li, Salam Nimaichand, Zhao Jiang, Min-Jiao Liu, ThiNhan Khieu, Chang-Jin Kim, Wael N. Hozzein, Dong-Jin Park, **Mohammed A.M. Wadaan**, Debananda S. Ningthoujam. *Streptomyces canchipurensis* sp. nov., isolated from a limestone habitat. *Antonie van Leeuwenhoek* (2014) DOI 10.1007/s10482-014-0281-6.
48. Elsayed A. Elsayed, Nor Zalina Othman, Roslinda Malek, Hassan M. Awad, King Wu, Ramlan Aziz, **Mohamad A. Wadaan** and Hesham A. El Enshasy.

- Bioprocess Development for High Cell Mass and Endospore Production by *Bacillus thuringiensis* var *israelensis* in Semi-Industrial Scale. *Journal of pure and applied microbiology*. (2014). Vol. 8(4), p. 2773-2783.
49. Jamal M. Khaled, Fahd A. Al-Mekhlafi, Ashraf M.A. Mashaly, **Mohamed A. Wadaan**, Abdulla S. Khalel & Nael M. Abutaha. Efficacy of entomopathogenic fungi isolated from the nest of the samsun ant, *Pachycondyla sennaarensis* against larvae of the mosquitoes *Aedes caspius* and *Culex pipiens*. *Entomologia Generalis*, Vol. 35 (2014), Issue 2, 77–86.
 50. Ahmed A. Elzatahry, Taher A. Salah El-Din, Elsayed Ahmed Elsayed, Daifallah M. Aldhayan, **Mohammad A.M. Wadaan**, Abdullah M. Al-Enizi, and Salem S. Al-Deyab. Au/Ag Core–Shell/Zeolite Nanocomposites with Antimicrobial Activity. *Science of Advanced Materials* (2014), 6, pp. 1531–1534.
 51. Muhammad Farooq, Ayman El-Faham, Sherine N Khattab, Ahmed M Elkayal, Mahmoud F Ibrahim, Nael Abu Taha, Almohannad Baabbad, **Mohammad AM Wadaan**, Ezaat A Hamed. Biological Screening of Novel Derivatives of Valproic Acid for Anticancer and Antiangiogenic Properties. *Asian Pacific Journal of Cancer Prevention*, (2014), Vol 15, 7785-7792.
 52. Elsayed EA, El Enshasy H, **Wadaan MA**, Aziz R. Mushrooms: A potential natural source of anti-inflammatory compounds for medical applications. *Mediators of Inflammation*. (2014), doi: dx.doi.org/10.1155/2014/805841.
 53. Elsayed A. Elsayed, Hesham El Enshasy, **Mohammad A.M. Wadaan**. Mushrooms: A Potential Natural Source of AntiInflammatory Compounds for Medical Applications. *Mediators of Inflammation* (2014) (<http://dx.doi.org/10.1155/2014/805841>).
 54. Hong-Fei Wang, Yong-Guang Zhang, Ji-Yue Chen, Wael N. Hozzein, Li Li, **Mohammed A. M. Wadaan**, Yuan-Ming Zhang, and Wen-Jun Li. *Nesterenkonia rhizosphaerae* sp. nov., a novel alkaliphilic actinobacterium isolated from rhizosphere soil of *Reaumuria soongorica* in saline-alkaline desert. *Int. J. Syst. Evol. Microbiol.* (2014), 64 (12): 4021- 4026.
 55. Wen-Jun Li, Salam Nimaichand, Zhao Jiang, Min-Jiao Liu, ThiNhan Khieu, Chang-Jin Kim, Wael N.Hozzein, Dong-Jin Park, **Mohammed A. M. Wadaan**, Debananda S. Ningthoujam. *Streptomyces canchipurensis* sp. nov., isolated from a limestone habitat. *Antonie van Leeuwenhoek.* (2014); 106(6): 1119-1126.
 56. Bing-Bing Liu, Wan-Yu Zhao, Xiao Chu, Wael N.Hozzein, Deene Manik Prabhu, **Mohammed A.M. Wadaan**, Shu-Kun Tang, Li-Li Zhang and Wen-Jun Li. *Haladaptatus pallidirubidus* sp. nov., a halophilic archaeon isolated from saline soil samples in Yunnan and Xinjiang, China. *Antonie van Leeuwenhoek.* (2014), 106(5): 901- 910.
 57. Shan-Hui Li, Yi Jin, Juan Cheng, Dong-Jin Park, Chang-Jin Kim, Wael N.Hozzein, **Mohammed A.M. Wadaan**, Wen-Sheng Shu, LinXian Ding, Wen-Jun Li. *Gordonia jinhuaensis* sp. nov., a novel actinobacterium, isolated from a VBNC (viable but non-culturable) state in pharmaceutical wastewater. *Antonie van Leeuwenhoek.* (2014), 106: 347– 356.
 58. Ahmad M, **Wadaan MA**. Ameliorating effects of proglumide on neurobehavioral and biochemical deficits in animal model of status epilepticus. *Pak J Pharm Sci.* (2014) Nov; 27(6):1945-51.

59. Daniel J. Dailin, Elsayed A. Elsayed. Nor Zalina Othman, Roslinda Abd Malek, Solleh Ramli, Mohamed R. Sarmidi, Ramlan Aziz, **Mohammad A. Wadaan**, Hesham A. El Enshasy. Development of Cultivation Medium for High yield Kefiran Production by *Lactobacillus kefiranofaciens*. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 7, Issue 3, (2015). pp. 159-163.
60. Ayman El-Faham, Muhammad Farooq , Sherine N. Khattab, Nael Abutaha, **Mohammad A. Wadaan**, Hazem A. Ghabbour and Hoong-Kun Fun. Synthesis, Characterization, and Anti-Cancer Activity of Some New N'-(2-Oxindolin-3-ylidene)-2-propylpentane hydrazide-hydrazones Derivatives. *Molecules* (2015), 20(8), pp.1463814655.
61. Yu TT, Ming H, Yao JC, Zhou EM, Park DJ, Hozzein WN, Kim CJ, **Wadaan MA**, Li WJ. *Thermus amyloliquefaciens* sp. nov., isolated from a hot spring sediment sample. *Int J Syst Evol Microbiol.* (2015) 65(8): 2491- 2495.
62. Hong-Fei Wang, Yong-Guang Zhang, Ji-Yue Chen, Jian-Wei Guo, Li Li, Wael N.Hozzein, Yuan-Ming Zhang, **Mohammed A. M. Wadaan**, Wen-Jun Li. *Frigoribacterium endophyticum* sp. nov., a novel endophytic actinobacterium isolated from roots of *Anabasis elatior* (C. A. Mey.) Schischk. *Int. J. Syst. Evol. Microbiol.* (2015); 65(Pt 4): 1207- 1212.
63. Shan-Hui Li, Xiao-Yun Yu, Dong-Jin Park, Wael N.Hozzein, Chang-Jin Kim, Wen-Sheng Shu, **Mohammed A.M. Wadaan**, LinXian Ding, Wen-Jun Li. *Rhodococcus soli* sp. nov., an actinobacterium isolated from soil using a resuscitative technique. *Antonie van Leeuwenhoek.* (2015); 107(2): 357-366.
64. Shuai Zhao, Li Li, Shan-Hui Li, Hong-Fei Wang, Wael N.Hozzein, Yong-Guang Zhang, **Mohammed A. M. Wadaan**, Wen-Jun Li*, Chang-Yan Tian. *Actinotalea suaedae* sp. nov., isolated from the halophyte *Suaeda physophora* in Xinjiang, Northwest China. *Antonie van Leeuwenhoek.* (2015), 107: 1- 7.
65. Abutaha N, Ashraf M. A. Mashaly, Muhammad Farooq and **Muhammad A. Wadaan**. Apoptotic Potential of *Artemisia Sieberia* Dichloromethane Fraction against Human Cancer Cell Lines. *Trop J Pharm Res.* (2015), 30 (12).
66. Muhammad Farooq, Nael Abu Taha, Rachel R. Butorac, Daniel Anthony Evans , Ahmed A. Elzatahry , Elsayed Ahmed Elsayed , **Mohammad A. M. Wadaan**, Salem S. Al-Deyab and Alan H. Cowley. Biological Screening of Newly Synthesized BIAN NHeterocyclic Gold Carbene Complexes in Zebrafish Embryos *Int. J. Mol. Sci.*, (2015)16, 24718-24731
67. Abutaha Nael, Al-Shami Muhammed, Semlali Abdelhabib, Baabbad Almohannad and **Wadaan Muhammad A.** Antiproliferative and antibacterial metabolites from *Cochliobolus spicifer* isolated from *Phoenix dactylifera* on human cancer cell lines. *Res. J. Biotech* (2015) Vol. 10 (10).
68. Abutaha N, Mashaly A.M. A Fahd Al-mekhlafi A. Al-Shami M, Farooq M. **M A. Wadaan**. Larvicidal activity of endophytic fungal extract of *Cochliobolus spicifer* on *Aedes caspius* and *Culex pipiens* (Diptera: Culicidae). *Applied Entomology and Zoology* (2015).
69. Muhammad Farooq; Sherine Khattab, Nael Abutaha; **Mohammad A Wadaan**; Hazem A Ghabbour; Hoong-Kun Fun. Synthesis of novel series of N'-(2-Oxindolin-3-ylidene)-2-propylpentane hydrazide-hydrazone derivatives and screening in zebrafish embryos. *Molecules* (2015), 20(8), 14638-14655

70. Abutaha N, Al shami M, Al Mekhlafi F.A. and **Wadaan M. A.** Cytotoxic and antimicrobial activity of selected fungal isolates from soil of Yemen Republic. Saudi journal of Biological Sciences. (2015) Vol, 20(5).
71. Muhammad Farooq Nael Abu Taha, Rachel R Butorac, Daniel A Evans, Ahmed A Elzatahry1, **Mohammad AM Wadaan**, Alan H Cowley. Nanofiber Composites Containing BIAN N-Heterocyclic Gold Carbene Complexes Induce Cytotoxicity in Human Cancer Cells via Upregulating Oxidative Stress. Asian Pacific Journal of Cancer Prevention, (2015) Vol 16.
72. Elsayed Ahmed Elsayed, Mahmoud A Sharaf-Eldin, **Mohammad Wadaan**. In vitro evaluation of cytotoxic activities of essential oil from Moringa oleifera seeds on HeLa, HepG2, MCF-7, CACO-2 and L929 cell lines. Asian Pacific Journal of Cancer Prevention, (2015) 16(11), 4671-4675
73. Daniel J. Dailin, Elsayed A. Elsayed, Nor Zalina Othman, Roslinda Abd Malek, Solleh Ramli, Mohamad R. Sarmidi, Ramlan Aziz, **Mohamad A. Wadaan**, Hesham A. El Enshasy. Development of cultivation medium for high yield kefir production by lactobacillus kefirifaciens. International Journal of Pharmacy and Pharmaceutical Sciences, (2015) 7(3), 159-163.
74. El-Faham A, Hozzein WN, **Wadaan MAM**, Khattab SN, Ghabbour HA, Fun HK and Siddiqui, AR. Microwave Synthesis, Characterization, and Antimicrobial Activity of Some Novel Isatin Derivatives. Journal of Chemistry, (2015) 716987, doi.org/10.1155/2015/716987.
75. Al-Salahi R, Elsayed EA, El Dib RA, **Wadaan M**, Ezzeldin E and Marzouk M. Synthesis, Characterization and Cytotoxicity Evaluation of 5-Hydrazono-[1,2,4]triazolo[1,5-a]quinazolines (Part I). Latin American Journal of Pharmacy. (2016) 35 (1):58-65.
76. Al-Salahi R ,Elsayed EA ,El Dib RA ,**Wadaan M** ,Ezzeldin E and Marzouk M. Cytotoxicity of New 5-Hydrazono-[1,2,4]triazolo[1,5-a]quinazolines (Part II). Latin American Journal of Pharmacy. (2016) 35 (1):66-73.
77. Then C, Wai OK, Elsayed EA, Mustapha WZW, Othman NZ, Aziz R, **Wadaan M** and El Enshasy, HA. Comparison between Classical and Statistical Medium Optimization Approaches for High Cell Mass Production of Azotobacter Vinelandii. Journal of Scientific & Industrial Research. (2016) 75 (4):231-238.
78. El Enshasy H, Malik K, Malek RA, Othman NZ, Elsayed EA, **Wadaan M**. Anaerobic Probiotics: The Key Microbes for Human Health. Adv Biochem Eng Biotechnol. (2016); 156:397-431.
79. Elsayed EA, Sharaf-Eldin, MA, El-Enshasy HA, **Wadaan M**. In vitro Assessment of Anticancer Properties of Moringa peregrina Essential Seed Oil on Different Cell Lines. Pakistan Journal of Zoology, (2016) 48 (3): 853-859.
80. Dailin DJ, Elsayed EA, Othman NZ, Malek R, Phin HS, Aziz R, **Wadaan M**, El Enshasy HA. Bioprocess development for kefir production by Lactobacillus kefirifaciens in semi industrial scale bioreactor. Saudi J Biol Sci. (2016) Jul; 23(4):495-502. doi: 10.1016/j.sjbs.2015.06.003.
81. Kaluđerović GN, Abbas M, Kautz HC, **Wadaan MA**, Lennicke C, Seliger B, Wessjohann LA. Methionine and seleno-methionine type peptide and peptoid building blocks synthesized by five-component five-center reactions. Chem Commun (Camb). (2017) Mar 28; 53(26):3777-3780. doi: 10.1039/c7cc00399d.

82. Elsayed EA , Farooq M , Dailin D , El-Enshasy HA , Othman NZ, Malek R , Danial E, **Wadaan M**. In vitro and in vivo biological screening of kefir polysaccharide produced by *Lactobacillus kefirifaciens*. *Biomedical Research-India* (2017), 28 (2): 594-600.
83. Fahd A. Al-Mekhlafi , Nael Abutaha, Ashraf M. A. Mashaly, Fahd A. Nasr, Khalid E Ibrahim, **Mohamed A. Wadaan**. Biological Activity of *Xanthium strumarium* Seed Extracts on Different Cancer Cell Lines and the Larvae of *Aedes caspius* and *Culex pipiens* (Diptera: Culicidae). *Saudi Journal of Biological Sciences*. (2017) 24, 817–821. doi: 10.1016/j.sjbs.2016.07.003.
84. Alagrafi FS, Alawad AO, Abutaha NM, Nasr FA, Alhazaa OA, Alharbi SN, Alkhrayef MN, Hammad M, Alhamdan ZA, Alenazi AD , **Wadaan MA**. In vitro induction of human embryonal carcinoma differentiation by a crude extract of *Rhazya stricta*. *BMC Complement Altern Med*. (2017) Jun 29; 17(1):342. doi: 10.1186/s12906-017-1852-7.
85. Wang D, Wang C, Gui P1, Liu H, Khalaf SMH, Elsayed EA, **Wadaan MAM**, Hozzein WN, Zhu W. Identification, Bioactivity, and Productivity of Actinomycins from the Marine-Derived *Streptomyces heliomycini*. *Front Microbiol*. (2017) Jun 28; 8:1147. doi: 10.3389/fmicb.2017.01147.
86. Khan IU, Hussain F, Habib N, **Wadaan MAM**, Ahmed I, Im WT, Hozzein WN,, Zhi XY, Li WJ. *Phenylobacterium deserti* sp. nov., isolated from desert soil. *Int J Syst Evol Microbiol*. (2017) Nov; 67(11):4722-4727. doi: 10.1099/ijsem.0.002366.
87. Dongmo, CT, Hussain, H, Boukeng, HJM, Saleem, M, Abbas, G, Farooq, M, **Wadaan, MAM**, Dongo, E, Al-Harrasi, A. Ozoromide: A New Ceramide from the Stem Bark of *Ozoroa pulcherrima*. *Chemistry of natural compounds*. (2017); 53 (5): 923-925.
88. Saied M.Soliman, Jörg, H.Albering, Muhammad Farooq, Muhammad **A.M. Wadaan**, AymanEl-Faham. Synthesis, structural and biological studies of two new Co (III) complexes with tridentate hydrazone ligand derived from the antihypertensive drug hydralazine. *Inorganica Chimica Acta* (2017), 1 September, 466: 16-29.
89. Yang ZW, Salam N, Asem MD, Fang BZ, Lan L, Xiao M, **Wadaan MAM**, Hozzein WN, Li WJ. *Saccharopolyspora deserti* sp. nov., a novel halotolerant actinobacterium isolated from a desert. *Int J Syst Evol Microbiol*. (2018) Mar; 68(3):860-864. doi: 10.1099/ijsem.0.002598.
90. Abutaha, N, Semlali, A, Baabbad, A, Al-Shami, M, Alanazi, M, **Wadaan, MA**. Anti-proliferative and anti-inflammatory activities of entophytic *Penicillium crustosum* from *Phoenix dactylifera*. *Pakistan Journal of Pharmaceutical Sciences*. (2018) Mar; 31 (2):421-427.
91. Al Jaouni S, Saleh AM, **Wadaan MAM**, Hozzein WN, Selim S, AbdElgawad H. Elevated CO₂ induces a global metabolic change in basil (*Ocimum basilicum* L.) and peppermint (*Mentha piperita* L.) and improves their biological activity. *J Plant Physiol*. (2018) May - Jun; 224-225:121-131. doi: 10.1016/j.jplph.2018.03.016.
92. Zhou GW, Yang XR, **Wadaan MAM**, Hozzein WN, Zheng BX, Su JQ , Zhu YG. *Propionicimonas ferrireducens* sp. nov., isolated from dissimilatory iron

- (III)-reducing microbial enrichment obtained from paddy soil. *Int J Syst Evol Microbiol.* (2018) Jun; 68(6):1914-1918. doi: 10.1099/ijsem.0.002766.
93. Al-Mekhlafi FA, Abutaha N, Farooq M, **Wadaan MA (2018)**. Insecticidal Effect of *Solenostemma argel* Extracts Against *Culex pipiens*. *J Am Mosq Control Assoc*, 34(3):217-223.
94. Farooq M, Al Marhoon ZM, Taha NA, Baabbad AA, Wadaan MA, El-Faham (2018). A: Synthesis of Novel Class of N-Alkyl-isatin-3-iminobenzoic Acid Derivatives and Their Biological Activity in Zebrafish Embryos and Human Cancer Cell Lines. *Biol Pharm Bull*, 41(3):350-359.
95. Nasr FA, Abutaha N, Al-Zahrani M, Farooq M, Wadaan MA (2018) Anticancer potential of plant extracts from Riyadh (saudi Arabia) on MDA-MB-231 breast cancer cells. *African Journal of Traditional, Complementary and Alternative Medicines*, 15(4):46-53.
96. Yang ZW, Salam N, Asem MD, Fang BZ, Lan L, Xiao M, **Wadaan MAM**, Hozzein WN, Li WJ (2018). *Saccharopolyspora deserti* sp. nov., a novel halotolerant actinobacterium isolated from a desert. *Int J Syst Evol Microbiol*, 68(3):860-864.
97. Yang ZW, Salam N, Asem MD, Fang BZ, Lan L, Xiao M, **Wadaan MAM**, Hozzein WN, Li WJ (2018). *Saccharopolyspora deserti* sp. nov., a novel halotolerant actinobacterium isolated from a desert. *Int J Syst Evol Microbiol*, 68(3):860-864.
98. Zhou GW, Yang XR, **Wadaan MAM**, Hozzein WN, Zheng BX, Su JQ, Zhu YG (2018). *Propionicimonas ferrireducens* sp. nov., isolated from dissimilatory iron(III)-reducing microbial enrichment obtained from paddy soil. *Int J Syst Evol Microbiol*, 68(6):1914-1918.
99. Abutaha N, Nasr FA, Al-Zharani M, Alqahtani AS, Noman OM, Mubarak M, Abdelhabib S, **Wadaan MA (2019)**. Effects of Hexane Root Extract of *Ferula hermonis* Boiss. on Human Breast and Colon Cancer Cells: An in Vitro and in Vivo Study. *Biomed Res Int*, 2019:3079895.
100. Abutaha N, Nasr FA, Mohammed AZ, Semlali A, Al-Mekhlafi FA, **Wadaan MA (2019)** *Calendula arvensis* L. as an anti-cancer agent against breast cancer cell lines. *Mol Biol Rep*, 46(2):2187-2196.
101. Al-Zharani M, Nasr FA, Abutaha N, Alqahtani AS, Noman OM, Mubarak M, **Wadaan MA**: Apoptotic Induction and Anti-Migratory Effects of *Rhazya Stricta* Fruit Extracts on a Human Breast Cancer Cell Line. *Molecules* 2019, 24(21).
102. Elsayed E, Alsahli F, Amr A, El Enshasy H, **Wadaan M (2019)**. In Vitro Anti-Proliferative Potentials of *Phaeangium lefebvrei* Desert Truffle towards MCF-7, HepG2 and L929 Cell Lines. *Journal of Scientific and Industrial Research*, 78(12):858-862.
103. Elsayed E, Alsahli F, Barakat I, El Enshasy H, **Wadaan M (2019)**. Assessment of in vitro antimicrobial and anti-breast cancer activities of extracts isolated from desert truffles in Saudi Arabia. *Journal of Scientific and Industrial Research*, 78(7):419-425.
104. Elsayed E, Alsahli F, El Enshasy H, **Wadaan M (2019)**. Cytotoxic Activities of Different Solvent Extracts of *Tirmania nivea* and *Terfezia claveryi* against HepG2 and L929 Cells. *Journal of Scientific and Industrial Research*, 78(7):454-457.

105. Elsayed EA, Danial EN, **Wadaan MA**, El-Enshasy HA (2019). Production of β -galactosidase in shake-flask and stirred tank bioreactor cultivations by a newly isolated *Bacillus licheniformis* strain. *Biocatalysis and Agricultural Biotechnology*, 20:101231.
106. Farooq M, Sharma A, Almarhoon Z, Al-Dhfyhan A, El-Faham A, Taha NA, **Wadaan MAM**, Torre BG, Albericio F (2019). Design and synthesis of mono- and di-pyrazolyl-s-triazine derivatives, their anticancer profile in human cancer cell lines, and in vivo toxicity in zebrafish embryos. *Bioorg Chem*, 87:457-464.
107. Hozzein WN, Abuelsoud W, **Wadaan MAM**, Shuikan AM, Selim S, Al Jaouni S, AbdElgawad H (2019). Exploring the potential of actinomycetes in improving soil fertility and grain quality of economically important cereals. *Sci Total Environ*, 651(Pt 2):2787-2798.
108. Farooq M, Abutaha N, Nasr FA, Alqahtani AS, Noman OM, **Wadaan MAM** (2019). Bitter melon (*Momordica charantia*) possess developmental toxicity as revealed by screening the seeds and fruit extracts in zebrafish embryos. *BMC Complement Altern Med*, 19(1):184.
109. Zheng BX, Ding K, Yang XR, **Wadaan MAM**, Hozzein WN, Peñuelas J, Zhu YG (2019). Straw biochar increases the abundance of inorganic phosphate solubilizing bacterial community for better rape (*Brassica napus*) growth and phosphate uptake. *Sci Total Environ*, 647:1113-1120.
110. Zheng BX, Zhang DP, Wang Y, Hao XL, **Wadaan MAM**, Hozzein WN, Peñuelas J, Zhu YG, Yang XR (2019). Responses to soil pH gradients of inorganic phosphate solubilizing bacteria community. *Scientific Reports*, 9(1):25.
111. Zhu ZN, Li YR, Li YQ, Xiao M, Han MX, **Wadaan MAM**, Hozzein WN, An DD, Li WJ (2019). Microbacterium suaedae sp. nov., isolated from Suaeda aralocaspica. *Int J Syst Evol Microbiol*, 69(2):411-416.
112. AbdElgawad H, Zinta G, Hamed BA, Selim S, Beemster G, Hozzein WN, Wadaan MAM, Asard H, Abuelsoud W (2020). Maize roots and shoots show distinct profiles of oxidative stress and antioxidant defense under heavy metal toxicity. *Environ Pollut*, 258:113705.
113. Abutaha NM, Farooq MF, Nasr FA, Almekhlafi FA, **Wadaan MAM** (2020). Bioassay-Guided Fractionation of Endophytic Fungal Extract of *Fusarium solani* (Saccardo) against Cancer Cell Lines and Zebrafish Embryo. *Indian Journal of Pharmaceutical Education and Research*, 54(2s):301-308.
114. Amr A, Elsayed E, Almehizia A, **Wadaan M**, Sabry NM, Baabbad A (2020). Antiproliferative Activities of Cyclo (N α -pyrido)-bis-[(L-valinyl)-L-ornithine] and its in vitro anti-VEGFR-2 Inhibition. *Journal of Scientific and Industrial Research*, 79(4):333-336.
115. El-Faham A, Farooq M, Almarhoon Z, Alhameed RA, **Wadaan MAM**, de la Torre BG, Albericio F (2020). Di- and tri-substituted s-triazine derivatives: Synthesis, characterization, anticancer activity in human breast-cancer cell lines, and developmental toxicity in zebrafish embryos. *Bioorg Chem*, 94:103397.
116. El-Faham A, Sharma A, Farooq M, Almarhoon Z, Alhameed RA, **Wadaan MAM**, de la Torre BG, Albericio F (2020). Protocol for synthesis of di- and tri-substituted s-triazine derivatives. *MethodsX*, 7:100825.

117. Elsayed E, Farooq M, Sharaf-Eldin M, El-Enshasy H, **Wadaan M (2020)**. Evaluation of developmental toxicity and anti-angiogenic potential of essential oils from *Moringa oleifera* and *Moringa peregrina* seeds in zebrafish (*Danio rerio*) model. *South African Journal of Botany*, 129:229-237.
118. Farooq M, Abutaha N, Mahboob S, Baabbad A, Almoutiri ND, **Wadaan M (2020)**. Investigating the antiangiogenic potential of *Rumex vesicarius* (humeidh), anticancer activity in cancer cell lines and assessment of developmental toxicity in zebrafish embryos. *Saudi J Biol Sci*, 27(2):611-622.
119. Farooq M, Nasir FA, Almoutiri ND, Al-yhya N, **Wadaan MA**, Abutaha N (2020). The phytochemical screening and antiangiogenic activity of *audthan al himar* (*Moricandia sinaica* Boiss.) extracts in zebrafish embryos and human umbilical vein endothelial cells. *Journal of King Saud University-Science*, 32 (4): 2370-2376.
120. Hamed SM, Hassan SH, Selim S, **Wadaan MAM**, Mohany M, Hozzein WN, AbdElgawad H (2020). Differential responses of two cyanobacterial species to R-metalaxyl toxicity: Growth, photosynthesis and antioxidant analyses. *Environ Pollut*, 258:113681.
121. Hegazy MA, Samy RM, Labena A, **Wadaan MAM**, Hozzein WN (2020). 4,4'-(((1E,5E)-pentane-1,5-diylidene)bis(azanylylidene))bis(1-dodecylpyridin-1-ium) bromide as a novel corrosion inhibitor in an acidic solution (part I). *Mater Sci Eng C Mater Biol Appl*, 110:110673.
122. Hozzein WN, Saleh AM, Habeeb TH, **Wadaan MAM**, AbdElgawad H (2020). CO₂ treatment improves the hypocholesterolemic and antioxidant properties of fenugreek seeds. *Food Chem*, 308:125661.
123. Kumar A, Buia MC, Palumbo A, Mohany M, **Wadaan MAM**, Hozzein WN, Beemster GTS, AbdElgawad H (2020). Ocean acidification affects biological activities of seaweeds: A case study of *Sargassum vulgare* from Ischia volcanic CO₂ vents. *Environ Pollut*, 259:113765.

بحوث باللغة العربية

١٢٤. محمد بن أحمد الودعان. تجربة جامعة الملك سعود في تقييم كراسي البحث. ندوة كراسي البحث "التجربة المحلية في ضوء الخبرات الدولية" جامعة الأمام محمد بن سعود الاسلامية ٢٤-٢٦ جمادى الأولى ١٤٣٣ / ١٦-١٨ أبريل ٢٠١٢م.
١٢٥. المخلافي فهد , أبو طه نائل , علي أشرف , مشالي أشرف , الودعان محمد (٢٠١٢). تركيب الة اللسع وتقدير البروتينات وتركيزها في سم نملة السموم *Pachycondyla sennaarensis* (Hymenoptera: formicidae) *المجلة السعودية لعلوم الحياة*. ١٩ (٥) ١٨٧-١٩٣.