**Professor**

**Dr. Yasser Fakhri Mustafa Hussein**

**Curriculum Vitae**

(Last Update: May 01, 2024)

**Address:**

*Department* :Pharmaceutical Chemistry

*College*  : Pharmacy

*University* : Mosul

*Mobile* : 0096407701615864

**Personal Data:**

*Born:*1/5/1976

*Place:*Mosul, Iraq

*Nationality:* Iraqi

**Educational Data:**

1- B. Sc. in Pharmacy from College of Pharmacy/ University of Mosul; with average mark of 74.34% at 30/6/1999.

2- M. Sc. inPharmaceutical Chemistry from College of Pharmacy/ University of Mosul; with average mark of 83.19% at 17/7/2005. The title of Master Letter is "Synthesis and biological activity of amino acetylenic coumarin derivatives".

3- Ph. D. inPharmaceutical Chemistry from College of Pharmacy/ University of Mosul; with average mark of 87.88% at 9/5/2017. The title of Doctoral Thesis is "Synthesis and characterization of coumarin-based 5-Fluorouracil prodrugs".

**Job History:**

1. 1999-2000: ClinicalPharmacist in al Khansaa Hospital**/** Mosul, Iraq.
2. 2000- 2003: Pharmacist in College of Pharmacy/ University of Mosul.
3. 2005-2009: Assistant Lecturer in College of Pharmacy/ University of Mosul.
4. 2009-2012: Lecturer in College of pharmacy/ University of Mosul.
5. 2012-2017: Assistant Professor in College of Pharmacy/ University of Mosul.
6. 2017-2019: Associate Professor in College of Pharmacy/ University of Mosul.
7. 2017-2018: Acting Dean of College of Pharmacy/ University of Mosul.
8. 2017-2021: Head of Pharmaceutical Chemistry Department/ College of Pharmacy/ University of Mosul.
9. 2019-currently: Professor in College of Pharmacy/ University of Mosul.

**Teaching Experience:**

Undergraduate Courses: Organic Pharmaceutical Chemistry

Inorganic Pharmaceutical Chemistry

PracticalOrganic Pharmaceutical Chemistry

PracticalInorganic Pharmaceutical Chemistry

Postgraduate Courses (Master): Advanced organic chemistry

Special problems

Chemistry of natural products

Chemotaxonomy

Heterocyclic compounds

Special problems

Postgraduate Courses (Ph.D.): Selected topics

Special problems

**Publication:**

***A- International publications***

1. New coumarinic azo-derivatives of metoclopramide and diphenhydramine: synthesis and in vitro testing for cholinesterase inhibitory effect and protection ability against Chlorpyrifos. *International Medical Journal Malaysia* 2014; 13(1): 3-12. <https://doi.org/10.31436/imjm.v13i1.486>

2. Design, Synthesis and kinetic study of coumarin-based triple mutual prodrug for lung cancer. *International Journal of Comprehensive Pharmacy* 2015; 4(6): 1-6.

3. Synthesis, characterization and antibacterial activity of novel heterocycle, coumacine, and two of its derivatives.*Saudi Pharmaceutical Journal* 2018; 26(6): 870-875.<https://dx.doi.org/10.1016%2Fj.jsps.2018.03.010>

4. Coumarins from Creston Apple Seeds: Isolation, Chemical Modification, and Cytotoxicity Study. *Journal of Applied Pharmaceutical Science* 2018; 8(08):49-56.

[https://dx.doi.org/10.7324/JAPS.2018.8808](https://dx.doi.org/10.1016%2Fj.jsps.2018.03.010)

5. Synthesis, characterization and preliminary cytotoxic study of sinapic acid and its analogues. *Journal of Global Pharma Technology* 2019; 11(9): 1-10.

<http://www.jgpt.co.in/index.php/jgpt/article/view/2883>

6. Synthesis, antioxidant, and preliminary antitumor activities of new curcumin analogues.

*Journal of Global Pharma Technology* 2020; 2: 854-862.

<http://www.jgpt.co.in/index.php/jgpt/article/view/3390>

7. Curcumin analogs: Synthesis and biological activities. *Medicinal Chemistry Research* 2020; 29(3): 479-486. <https://doi.org/10.1007/s00044-019-02497-0>

8. Phytochemical, antioxidant and antitumor studies of coumarins extracted from Granny Smith apple seeds by different methods. *Systematic Reviews in Pharmacy* 2020; 11(2): 57-63. <http://dx.doi.org/10.5530/srp.2020.2.10>

9. Coumarins from Red Delicious apple seeds: Extraction, phytochemical analysis, and evaluation as antimicrobial agents. *Systematic Reviews in Pharmacy* 2020; 11(2): 64-70.

<http://dx.doi.org/10.5530/srp.2020.2.11>

10. Antimicrobial Activity of Aqueous Extracts Acquired from the Seeds of Two Apples' Cultivars. *Systematic Reviews in Pharmacy* 2020; 11(2): 282-287. <http://dx.doi.org/10.5530/srp.2020.2.56>

11. Evaluation of natural asphalt properties treated with egg shell waste and low density polyethylene Evaluation of natural asphalt properties treated with egg shell waste and low density polyethylene. *International Journal of Pavement Engineering* 2022; 23(1): 39-45.

<https://doi.org/10.1080/10298436.2020.1728534>

12. Adulteration of slimming products and its detection methods. *Systematic Reviews in Pharmacy* 2020; 11(3): 289-296. <http://dx.doi.org/10.5530/srp.2020.3.33>

13. Curcumin and its derivatives: A review of their biological activities.

*Systematic Reviews in Pharmacy* 2020; 11(3): 472-481. [http://dx.doi.org/10.5530/srp.2020.3.60](http://dx.doi.org/10.5530/srp.2020.3.33)

14. Conjugation of sinapic acid analogues with 5-fluorouracil: Synthesis, preliminary cytotoxicity, and release study. *Systematic Reviews in Pharmacy* 2020; 11(3): 482-489.

<http://dx.doi.org/10.5530/srp.2020.3.61>

15. Antitumor, antioxidant, and antibacterial activities of glycosyl-conjugated compounds: A review. *Systematic Reviews in Pharmacy* 2020; 11(4): 175-187. <http://dx.doi.org/10.31838/srp.2020.4.26>

16. Antioxidant and antitumor activities of methanolic extracts obtained from Red Delicious and Granny Smith apples' seeds. *Systematic Reviews in Pharmacy* 2020; 11(4): 570-576. <http://dx.doi.org/10.31838/srp.2020.4.84>

17. Original and innovative advances in the synthetic schemes of coumarin-based derivatives: A review. *Systematic Reviews in Pharmacy* 2020; 11(6): 598-612.

[http://dx.doi.org/10.31838/srp.2020.6.90](http://dx.doi.org/10.31838/srp.2020.4.84)

18. Synthesis and biological activities of 3,5-disubstituted-4-hydroxycinnamic acids linked to a functionalized coumarin. *Systematic Reviews in Pharmacy* 2020; 11(6): 717-725. <http://dx.doi.org/10.31838/srp.2020.6.106>

19. Potential effect of ammonium chloride on the optical physical properties of polyvinyl alcohol. *Systematic Reviews in Pharmacy* 2020; 11(6): 726-732.

<http://dx.doi.org/10.31838/srp.2020.6.107>

20. Synthesis and antitumor activity of new multifunctional coumarins. *Periodico Tche Quimica* 2020; 17(36):871-883.

21. Biological potentials of Hymecromone-based derivatives: A systematic review. *Systematic Reviews in Pharmacy* 2020; 11(11): 438-452.

[http://dx.doi.org/10.31838/srp.2020.11.65.](http://dx.doi.org/10.31838/srp.2020.6.107)

22. Antitumor attributes of 4-methylumbelliferone-based derivatives: A review. *Systematic Reviews in Pharmacy* 2020; 11(12): 2263-2274.

[http://dx.doi.org/10.31838/srp.2020.12.346](http://dx.doi.org/10.31838/srp.2020.6.107)

23. Anticancer properties of hymecromone-derived compounds: A review. *International Journal of Pharmaceutical Research* 2021; 13(1): 2163-2174. [http://dx.doi.org/10.31838/ijpr/2021.13.01.347](http://dx.doi.org/10.31838/srp.2020.6.107)

24. Synthesis and kinetic study of novel coumarin- based mutual prodrug of 5-fluorouracil and 5-ethynyluracil. *Revista de Chimie* 2020; 71(12): 2263-2274.

[http://dx.doi.org/10.31838/srp.2020.12.346](http://dx.doi.org/10.31838/srp.2020.6.107)

25. 4-Methylumbelliferone and its derived compounds: A brief review of their cytotoxicity. *Egyptian Journal of Chemistry*2021; 64(4): 1807-1816. <https://dx.doi.org/10.21608/ejchem.2021.59702.3281>

26. Hymecromone and its derivatives as promising cytotoxic agents: A review. *Annals of the Romanian Society for Cell Biology* 2021; 25 (3): 6974-6981.

<http://annalsofrscb.ro/index.php/journal/article/view/2212>

27. A Review on the folate-linked prodrugs for cancer chemotherapy. *Annals of the Romanian Society for Cell Biology* 2021; 25(4): 5645-5670.

<http://annalsofrscb.ro/index.php/journal/article/view/3131>

28. Prodrug of 5-fluorouracil and 5-ethynyluracil: Synthesis, characterization, and release Study. *Annals of the Romanian Society for Cell Biology* 2021; 25(4): 5671-5688.

<http://annalsofrscb.ro/index.php/journal/article/view/3132>

29. The effect of aryl and heteroaryl conjugation on the biological activities of naphthalenes: A review. *Annals of the Romanian Society for Cell Biology* 2021; 25(4): 13355-13379. <http://annalsofrscb.ro/index.php/journal/article/view/4349>

30. A review on the antineoplastic activity of hymecromone and its based products. *Annals of the Romanian Society for Cell Biology* 2021; 25(4): 13339- 13354.

<http://annalsofrscb.ro/index.php/journal/article/view/4348>

31. Effect of chemical modification involving phenolic hydroxyl group on the biological activity of natural coumarins. *Pakistan Journal of Medical and Health Sciences* 2021; 15(3): 954- 962.

<https://pjmhsonline.com/index.php?route=product/product&path=16655_16673_16676&product_id=10204>

32. Synthesis, characterization, and biomedical assessment of novel bisimidazole–coumarin conjugates. *Applied Nanoscience (Switzerland)* 2023; 13: 1907-1918.

<https://link.springer.com/article/10.1007/s13204-021-01872-x>

33. Synthesis, characterization and biological evaluation of new azo-coumarinic derivatives. *Applied Nanoscience (Switzerland)* 2023; 13: 1095–1102.

<https://doi.org/10.1007/s13204-021-01873-w>

34. Bioactivity of some natural and semisynthetic coumarin derived compounds. *NeuroQuantology* 2021; 19(6): 129-138.

<http://dx.doi.org/10.14704/nq.2021.19.6.NQ21078>

35. Hymecromone and its products as cytotoxic candidates for brain cancer: A brief review. *NeuroQuantology* 2021; 19(7): 175-186. <http://doi.org/10.14704/nq.2021.19.7.NQ21101>

36. Synthesis and antitumor potential of new 7-halocoumarin-4-acetic acid derivatives.

*Egyptian Journal of Chemistry* 2021; 64(7): 3711-3716.

<https://dx.doi.org/10.21608/ejchem.2021.68873.3508>

37. Synthesis, characterization, and anticoagulant activity of new functionalized biscoumarins. *Egyptian Journal of Chemistry* 2021; 64(8): 4461-4468.

<https://dx.doi.org/10.21608/ejchem.2021.73699.3641>

38. Hypericin and its analogues: A review of their biological activities. *Turkish Journal of Field Crops* 2021; 26(2): 259-269. [https://dx.doi.org/10.17557/tjfc.834567](https://dx.doi.org/10.21608/ejchem.2021.73699.3641)

39. Furanocoumarins from Golden Delicious apple seeds: Isolation and characterization.

*Turkish Journal of Field Crops* 2021; 26(2): 270-276.

[https://dx.doi.org/10.17557/tjfc.834568](https://dx.doi.org/10.21608/ejchem.2021.73699.3641)

40. Antitumor and antibacterial potentials of new 7-substituted coumarins functionalized via Bargellini reaction. *Turkish Journal of Field Crops* 2021; 26(2): 277-290.

<https://dx.doi.org/10.17557/tjfc.834569>

41. Chemotherapeutic applications of folate prodrugs: A review. *NeuroQuantology* 2021; 19(8): 99-112. [http://dx.doi.org/10.14704/nq.2021.19.8.NQ21120](http://dx.doi.org/10.14704/nq.2021.19.6.NQ21078)

42. A promising oral 5-fluorouracil prodrug for lung tumor: Synthesis, characterization, and release study. *Biochemical and Cellular Archives* 2021; 21Supplement (1): 1991-1999. <https://connectjournals.com/03896.2021.21.1991>

43. Role of Si Minor Addition on Glass Formation and Flow Stress Characteristics of a Zr-Based Metallic Glass. *Materials Research* 2021; 24(6): e20210245.

<https://doi.org/10.1590/1980-5373-MR-2021-0245>

44. Classical Approaches And Their Creative Advances In The Synthesis Of Coumarins: A Brief Review. *Journal of Medicinal and Chemical sciences* 2021; 4(6): 612-625.

<https://dx.doi.org/10.26655/JMCHEMSCI.2021.6.10>

45. Metabolite profiling of the post-ovulatory oocytes of the common carp, Cyprinus carpio: A 1H NMR-based metabolomics approach.

*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics* 2021; 40: 100917. <https://doi.org/10.1016/j.cbd.2021.100917>

46. Immunotherapy of multisystem inflammatory syndrome in children (MIS-C) following COVID-19 through mesenchymal stem cells. *International Immunopharmacology* 2021; 101: 108217. <https://doi.org/10.1016/j.intimp.2021.108217>

47. Effect of Cystamine on Sperm and Antioxidant Parameters of Ram Semen Stored at 4°C for 50 Hours. *Archives of Razi Institute* 2021; 76(4): 981-989.

[https://doi.org/10.22092/ARI.2021.355901.1735](https://doi.org/10.1016/j.intimp.2021.108217)

48. The effects of Ni or Nb additions on the relaxation behavior of Zr55Cu35Al10 metallic glass. *Materials Today Communications* 2021; 29: 102909.

<https://doi.org/10.1016/j.mtcomm.2021.102909>

49. Role of thermal history on atomic structure and ductility of ion-irradiated metallic glasses. *Modelling and Simulation in Materials Science and Engineering* 2022; 30: 025002. [https://doi.org/10.1088/1361-651X/ac3e06](https://doi.org/10.1016/j.mtcomm.2021.102909)

50. Effects of Structural Manipulation on the Bioactivity of some Coumarin-Based Products. *Archives of Razi Institute* 2021; 76(5): 1297-1305.

[https://doi.org/10.22092/ARI.2021.356100.1776](https://doi.org/10.1016/j.mtcomm.2021.102909)

51. Anticancer potential of Hymecromone-based compounds : A review. *Biochemical and Cellular Archives* 2021; 21(2): 4151-4161.

https://connectjournals.com/03896.2021.21.4151

52. Advanced Binder-Free Electrode Based on CuCo2O4 Nanowires Coated with Polypyrrole Layer as a High-Performance Nonenzymatic Glucose Sensing Platform. *Coatings* 2021; 11, 1462. [https://doi.org/10.3390/coatings11121462](https://doi.org/10.1016/j.mtcomm.2021.102909)

54. Safety assessment of antimicrobials in food packaging paper based on LC-MS method. *Food Science and Technology (Campinas)* 2022; 42: e68821<https://doi.org/10.1590/fst.68821>

55. Synthesis of heterocycles from propargylamines. *Synthetic Communications* 2021; 51(24): 3694-3716. [https://doi.org/10.1080/00397911.2021.2001660](https://doi.org/10.1016/j.mtcomm.2021.102909)

56. Creep Deformation of Zr55Co25Al15Ni5 Bulk Metallic Glass Near Glass Transition Temperature: A Nanoindentation Study. *Transactions of the Indian Institute of Metals* 2021; 75: 673-680. [https://doi.org/10.1007/s12666-021-02455-8](https://doi.org/10.1016/j.mtcomm.2021.102909)

57. Role of Compositional Changes on Thermal, Magnetic and Mechanical Properties of Fe-P-C-Based Amorphous Alloys. *Chinese Physics B* 2021; 31(1): 016401.

[https://doi.org/10.1088/1674-1056/ac3655](https://doi.org/10.1016/j.mtcomm.2021.102909)

58. SnO2:Au/Carbon Quantum Dots Nanocomposites: Synthesis, Characterization, and Antibacterial Activity. *Journal of Nanostructures* 2021; 11(3): 514-523. <https://dx.doi.org/10.22052/JNS.2021.03.009>

59. MnCo2O4/Co3O4 Nanocomposites: Microwave-Assisted Synthesis, Characterization and Photocatalytic Performance. *Journal of Nanostructures* 2021; 11(4): 728-735.

<https://dx.doi.org/10.22052/JNS.2021.04.010>

60. Carboxymethyl Chitosan Nano-Fibers for Controlled Releasing 5-Fluorouracil Anticancer Drug. *Journal of Nanostructures* 2022; 12(1): 136-143.

<https://jns.kashanu.ac.ir/article_111566.html>

61. The role of amino acid functionalization for improvement of adsorption Thioguanine anticancer drugs on the boron nitride nanotubes for drug delivery. *Materials Chemistry and Physics* 2022; 278(2). Article ID 125664.

[https://doi.org/10.1016/j.matchemphys.2021.125664](https://doi.org/10.1016/j.mtcomm.2021.102909)

62. Role of Glass Composition on Mechanical Properties of Shape Memory Alloy-Metallic Glass Composites. *Advances in Materials Science and Engineering* 2021; 2021. Article ID 4775793. <https://doi.org/10.1155/2021/4775793>

63. The effects of hydrogen doping on energy state of shear bands in a Zr-Based metallic glass. *Vacuum* 2022; 198 (4). Article ID 110882.

<http://dx.doi.org/10.1016/j.vacuum.2022.110882>

64. Cr-SiNT, Mn-SiNT, Ti-C70 and Sc-CNT as Effective Catalysts for CO2 Reduction to CH3OH. *Silicon* 2022. <https://doi.org/10.1007/s12633-022-01653-3>

65. Adsorption of Pb(II) and Cd(II) by magnetic chitosan-salicylaldehyde Schiff base: Synthesis, characterization, thermal study and antibacterial activity. *Journal of the Chinese Chemical Society* 2022; 69(3): 512-521. <https://doi.org/10.1002/jccs.202100507>

66. Influence of albocarbon-cyclic hybridization on biomedical activities: A review.

*Journal of Medicinal and Chemical sciences* 2022; 5(4): 550-568.

<https://dx.doi.org/10.26655/JMCHEMSCI.2022.4.15>

67. Double chelation of Iron through dimer formation of favipiravir: Density functional theory analysis. *Main Group Chemistry* 2022; 21(3): 875-883. [https://doi.org/10.3233/MGC-210182](https://doi.org/10.1002/jccs.202100507)

68. Prediction of Fractures and Cracks to Improve the Drilling Operations. *Asian Journal of Water, Environment and Pollution* 2022; 19(1): 59-65.

[https://doi.org/10.3233/AJW220009](https://doi.org/10.1002/jccs.202100507)

69. Mutual Prodrug of 5-Ethynyluracil and 5-Fluorouracil: Synthesis and Pharmacokinetic Profile. *Clinical Schizophrenia & Related Psychoses* 2021; 15(6): 1-7.

<http://dx.doi.org/10.3371/CSRP.MYMO.102221>

70. Combined Effects of Annealing and Cyclic Loading on Structural Rejuvenation and Mechanical Properties of CuZr Metallic Glass: A Molecular Dynamics Study. *Materials Research* 2022; 25(1): e20210494.

<http://dx.doi.org/10.1590/1980-5373-mr-2021-0494>

71. Various Promising Biological Effects of Cranberry Extract: A Review. *Clinical Schizophrenia & Related Psychoses* 2021; 15(S6): 1-9.

<http://dx.doi.org/10.3371/CSRP.KRET.113021>

72. Isolation and Characterization of Furanocoumarins from Golden Delicious Apple Seeds. *Journal of Medicinal and Chemical sciences* 2022; 5(4): 537-545*.* <http://dx.doi.org/10.26655/JMCHEMSCI.2022.4.14>

73. Synthesis and Biomedical Activities of Coumarins Derived From Natural Phenolic Acids. *Journal of Medicinal and Chemical sciences* 2022; 5(4): 546-560*.* <http://dx.doi.org/10.26655/JMCHEMSCI.2022.4.15>

74. *Citrullus lanatus*, a Potential Source of Medicinal Products: A Review. *Journal of Medicinal and Chemical sciences* 2022; 5(4): 607-618*.* <http://dx.doi.org/10.26655/JMCHEMSCI.2022.4.16>

75. Kinetic, isotherm, and thermodynamic studies on Cr(VI) adsorption using cellulose acetate/graphene oxide composite nanofibers. *Applied Physics A* 2022; 128: 167.<http://dx.doi.org/10.1007/s00339-022-05307-4>

76. Anticancer Drug-Loading Capacity of Green Synthesized Porous Magnetic Iron Nanocarrier and Cytotoxic Effects Against Human Cancer Cell Line. *Journal of Cluster Science* 2023; 34:467–477*.* <http://dx.doi.org/10.1007/s10876-022-02235-4>

77. Role of Alloying Composition on Mechanical Properties of CuZr Metallic Glasses During the Nanoindentation Process. *Metals and Materials International* 2022.<http://dx.doi.org/10.1007/s12540-021-01164-7>

78. The Health Belief Model's Application in the Development of Health Behaviors. *Health Education and Health Promotion* 2021;9(5): 521-527.<http://hehp.modares.ac.ir/article-5-56557-en.html>

79. Morphological Control: Properties and Applications of Metal Nanostructures. *Advances in Materials Science and Engineering* 2022; ID: 1971891.<http://dx.doi.org/10.1155/2022/1971891>

80. Study on the role of nano antibacterial materials in orthodontics (a review). *Brazilian journal of biology* 2022; 84: e257070*.* <http://dx.doi.org/10.1590/1519-6984.257070>

81. A Review of Classical and Advanced Methodologies for Benzocoumarin Synthesis. *Journal of Medicinal and Chemical sciences* 2022; 5(4): 676-694*.* <http://dx.doi.org/10.26655/JMCHEMSCI.2022.5.4>

82. Assessment effects and risk of nosocomial infection and needle sticks injuries among patents and health care worker. *Toxicology Reports* 2022; 9: 284–292*.* <https://doi.org/10.1016/j.toxrep.2022.02.013>

83. Preparation of antibacterial Gel/PCL nanofibers reinforced by dicalcium phosphate-modified graphene oxide with control release of clindamycin for possible application in bone tissue engineering. *Inorganic Chemistry Communications* 2022*.* <http://dx.doi.org/10.1016/j.inoche.2022.109336>

84. Protective effects of dietary Lavender (*Lavandula officinalis*) essential oil against Malathion-induced toxicity in rainbow trout (Oncorhynchus mykiss). *Annals of Animal Science* 2022; 22(3): 1087–1096*.* <http://dx.doi.org/10.2478/aoas-2022-0011>

85. Emerging optical and electrochemical biosensing approaches for detection of ciprofloxacin residues in food and environment samples: A comprehensive overview. *Journal of Molecular Liquids* 2022; 354: 118895 <http://dx.doi.org/10.1016/j.molliq.2022.118895>

86. A review of high-energy density lithium-air battery technology: investigating the effect of oxides and nanocatalysts. *Journal of Chemistry* 2022; 2022: ID 2762647.<http://dx.doi.org/10.1155/2022/2762647>

87. Synthesis and characterization of Co3O4 nanoparticles: Application as performing anode in Li-ion batteries. *Journal of the Chinese Chemical Society* 2022; 69(4): 657-662. <https://doi.org/10.1002/jccs.202100525>

88. Consequences and health effects of toxic air pollutants emission by industries*. Journal of Air Pollution and Health* 2022; 7(1): 95-108. <https://doi.org/10.18502/japh.v7i1.8923>

89. Benzocoumarin Backbone Is a Multifunctional and Affordable Scaffold with a Vast Scope of Biological Activities*. Journal of Medicinal and Chemical sciences* 2022; 5(5): 703-721. <http://dx.doi.org/10.26655/JMCHEMSCI.2022.5.6>

90. Cytotoxicity evaluation of environmentally friendly synthesis Copper/ Zinc bimetallic nanoparticles on MCF-7 cancer cells. *Rendiconti Lincei. Scienze fisiche e naturali* 2022. <http://dx.doi.org/10.1007/s12210-022-01064-x>

91. A review on the biological potentials of carbazole and its derived products. *Eurasian Chemical Communications* 2022; 4(6): 495-512. <http://dx.doi.org/10.22034/ecc.2022.334196.1377>

92. The relationship between plant and animal based protein with semen parameters: A cross-sectional study in infertile men. *Clinical Nutrition ESPEN* 2022; 48. <https://doi.org/10.1016/j.clnesp.2022.03.019>

93. Investigation of crotonaldehyde adsorption on pure and Pd-decorated GaN nanotubes: A density functional theory study. *Solid State Communications* 2022; 348-349: 114741. <https://doi.org/10.1016/j.ssc.2022.114741>

94. Comparison and evaluation of the performance of graphene-based biosensors. *Carbon Letters* 2022. <https://doi.org/10.1007/s42823-022-00338-6>

95. Investigation of crotonaldehyde adsorption on pure and Pd-decorated GaN nanotubes: A density functional theory study. *Solid State Communications* 2022. <https://doi.org/10.1016/j.ssc.2022.114741>

96. The Characterization of Cold Welding Process in CuZr Metallic Glasses with Dissimilar Alloying Compositions. *Materials Today Communications* 2022; 31: 103471. <https://doi.org/10.1016/j.mtcomm.2022.103471>

97. New Fused-Coumarin Composites: Synthesis, Anticancer and Antioxidant Potentials Evaluation. *Eurasian Chemical Communications* 2022; 4(7): 607-619. <https://dx.doi.org/10.22034/ecc.2022.335450.1392>

98. A Review of the Chemical, Pharmacokinetic, and Pharmacological Aspects of Quercetin. *Eurasian Chemical Communications* 2022; 4(7): 645-656. <https://dx.doi.org/10.22034/ecc.2022.335451.1393>

99. Cancer-Curative Potential of Novel Coumarins From Watermelon Princess: A Scenario of Their Isolation and Activity. *Eurasian Chemical Communications* 2022; 4(7): 657-672. <https://dx.doi.org/10.22034/ecc.2022.335453.1394>

100. Novel Coumarins Isolated from the Seeds of *Citrullus lanatus* as Potential Antimicrobial Agents. *Eurasian Chemical Communications* 2022; 4(7). <https://dx.doi.org/10.22034/ecc.2022.335454.1395>

101. Novel Naphthalene-Derived Coumarin Composites: Synthesis, Antibacterial, And Antifungal Activity Assessments. *Eurasian Chemical Communications* 2022; 4(7). <https://dx.doi.org/10.22034/ecc.2022.335455.1396>

102. On the Dynamics of a Viscoelastic Fluid-Conveying Nanotube. *Fluid Dynamics and Materials Processing* 2022; 18(4): 1137-1151. <http://dx.doi.org/10.32604/fdmp.2022.019921>

103. Transfer hydrogenation of nitroarenes using cellulose filter paper-supported Pd/C by filtration as well as sealed methods. *RSC Advances* 2022; 18: 10933-10949. <https://doi.org/10.1039/D2RA01151D>

104. Synthesis, ADME Study, and Antimicrobial Evaluation of Novel Naphthalene-Based Derivatives*. Journal of Medicinal and Chemical sciences* 2022; 5(5): 793-807. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.5.14>

105. Synthesis and Evaluation of New Coumarins as Antitumor and Antioxidant Applicants*. Journal of Medicinal and Chemical sciences* 2022; 5(5): 808-819. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.5.15>

106. Natural Products Catalog of Allsweet Watermelon Seeds and Evaluation of Their Novel Coumarins as Antimicrobial Candidates*. Journal of Medicinal and Chemical sciences* 2022; 5(5): 831-847. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.5.17>

107. Copper (II) complex supported on the surface of magnetic nanoparticles modified with S-benzylisothiourea (Fe3O4@SiO2-SMTU-Cu): A new and efficient nanomagnetic catalyst for the synthesis of quinazolines and amides. *Synthetic Communications* 2022. <https://doi.org/10.1080/00397911.2022.2056849>

108. Gallium and scandium doping effect on the sensing performance of aluminum phosphide nanotubes toward toxic ethylene oxide gas. *Physics Letters A* 2022; 439: 128145. <https://doi.org/10.1016/j.physleta.2022.128145>

109. Antibacterial and Antitumor Potentials of Some Novel Coumarins. *International Journal of Drug Delivery Technology* 2022; 12(1): 239-247. [https://doi.org/10.25258/ijddt.12.1.45](https://doi.org/10.1016/j.physleta.2022.128145)

109. Synthesis and Antidiabetic Assessment of New Coumarin-Disubstituted Benzene Conjugates: An *In Silico*–*In Virto* Study*. Journal of Medicinal and Chemical sciences* 2022; 5(6): 887-899. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.6.3>

110. Alginate-Based Hydrogels and Tubes, as Biological Macromolecule-Based Platforms for Peripheral Nerve Tissue Engineering: A Review*. Annals of Biomedical Engineering* 2022. <https://doi.org/10.1007/s10439-022-02955-8>

111. Effect of tomato consumption on inflammatory markers in health and disease status: A systematic review and meta-analysis of clinical trials*. Clinical Nutrition ESPEN* 2022; 50: 93-100. <https://doi.org/10.1016/j.clnesp.2022.04.019>

112. Exposure to ambient air pollution and osteoarthritis; an animal study*. Chemosphere* 2022; 301: 134698. <https://doi.org/10.1016/j.chemosphere.2022.134698>

113. Role of Acute Myeloid Leukemia (AML)-Derived exosomes in tumor progression and survival*. Biomedicine & Pharmacotherapy* 2022; 150(6): 113009. <https://doi.org/10.1016/j.biopha.2022.113009>

114. The *in vitro* Effects of New Albocarbon-based Coumarins on Blood Glucose-controlling Enzymes*. Journal of Medicinal and Chemical sciences* 2022; 5(6): 954-967. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.6.9>

115. The effects of initial rejuvenation on the cold joining behavior of Cu60Zr40 metallic glass. *Applied Physics A* 2022; 128(5): 455. <https://doi.org/10.1007/s00339-022-05617-7>

116. Effects of short-term exposure to the heavy metal, nickel chloride (Nicl2) on gill histology and osmoregulation components of the gray mullet, *Mugil cephalus*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology* 2022; 257(7): 109361. <https://doi.org/10.1016/j.cbpc.2022.109361>

117. Chemical synthesis of various composites of chromen-2-one: A review. *Eurasian Chemical Communications* 2022; 4(9): 877-893. <https://dx.doi.org/10.22034/ecc.2022.338810.1412>

118. Phytochemical Analysis and Antimicrobial Evaluation of Quince Seeds’ Extracts*. Journal of Medicinal and Chemical sciences* 2022; 5(6): 968-979. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.6.10>

119. Extraction of tea polyphenols based on orthogonal test method and its application in food preservation. *Food Science and Technology (Campinas)* 2022; 42: e70321.<https://doi.org/10.1590/fst.70321>

120. Probiotic effects of the fungi, *Aspergillus niger* on growth, immunity, haematology, intestine fungal load and digestive enzymes of the common carp, *Cyprinus carpio*. *Aquaculture Research* 2022; 53(10): 3828-3840.<https://doi.org/10.1111/are.15890>

121. The synergistic effect of probiotic and phytobiotic for improving growth performance and biological indices in broiler chickens. *Journal of the Hellenic Veterinary Medical Society* 2022; 73(1): 3681–3688.<https://doi.org/10.12681/jhvms.25492>

122. MXene/metal and polymer nanocomposites: preparation, properties, and applications. *Journal of Alloys and Compounds* 2022; 917: 165404.<https://doi.org/10.1016/j.jallcom.2022.165404>

123. Synthesis and Biomedical Activities of Novel Multifunctional Benzodipyrone-based Derivatives. *Eurasian Chemical Communications* 2022; 4(10): 938-949. <https://dx.doi.org/10.22034/ecc.2022.340784.1459>

124. Synthesis and Biological Potentials of Novel Benzodipyrone-Based Derivatives*. Journal of Medicinal and Chemical sciences* 2022; 5(6): 1026-1039. <https://dx.doi.org/26655/JMCHEMSCI.2022.6.16>

124. Dietary Sargassum angustifolium (Macro-Algae, Sargassaceae) extract improved antioxidant defense system in diazionon-exposed common carp, *Cyprinus carpio*. *Annals of Animal Science* 2022. <https://doi.org/10.2478/aoas-2022-0036>

125. Various types of electrochemical biosensors for leukemia detection and therapeutic approaches*. Analytical Biochemistry* 2022; 649: 114736. <https://doi.org/10.1016/j.ab.2022.114736>

126. Evaluation of In vitro Antioxidant and Antidiabetic Properties of Cydonia Oblonga Seeds' Extracts*. Journal of Medicinal and Chemical sciences* 2022; 5(6): 1048-1058. <https://dx.doi.org/10.26655/JMCHEMSCI.2022.6.18>

127. Association of cord blood asprosin concentration with atherogenic lipid profile and anthropometric indices. *Diabetology and Metabolic Syndrome* 2022; 14: 74. <https://doi.org/10.1186/s13098-022-00844-7>

128. Effect of Training Sessions on Awareness, Disease Management, and Quality of Life in Patients with Type 2 Diabetes*. Iranian Journal of War and Public Health* 2022; 14(1): 93-97. <http://ijwph.ir/article-1-1142-en.html>

129. Magnetic Nanoparticles Supported Copper Nanocomposite: A Highly Active Nanocatalyst for Synthesis of Benzothiazoles and Polyhydroquinolines*. Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2077390>

130. Production, Structural properties Nano biochar and Effects Nano biochar in soil: A review. *Egyptian Journal of Chemistry* 2022; 65(12): 607-618.

<https://dx.doi.org/10.21608/ejchem.2022.131162.5772>

131. Synthesis, antioxidant and antitumor activities of new coumarins grafted to 5-fluorouracil. *Caspian Journal of Environmental Sciences* 2022; 20(2): 359-365.

<https://dx.doi.org/10.22124/cjes.2022.5577>

132. Optical-based biosensor for detection of oncomarker CA 125, recent progress and current status. *Analytical Biochemistry* 2022. <https://doi.org/10.1016/j.ab.2022.114750>

133. Recent advances on applications of immunosensing systems based on nanomaterials for CA15-3 breast cancer biomarker detection. *Analytical and Bioanalytical Chemistry.*

<https://doi.org/10.1007/s00216-022-04150-z>

134. Survey of ground beetles inhabiting agricultural crops in south-east Kazakhstan. *Brazilian Journal of Biology* 2024, e260092*.* <https://doi.org/10.1590/1519-6984.260092>

135. Synthesis of bioactive Yttrium-metal organic framework as efficient nanocatalyst in synthesis novel Pyrazolopyranopyrimidines derivatives and evaluation anticancer activity. *Frontiers in Chemistry* 2022; 10: 928047. <https://www.frontiersin.org/articles/10.3389/fchem.2022.928047/abstract>

136. Benzocoumarin as a potential scaffold: A review of its biomedical activities. *Archivos Venezolanos de Farmacologia y Terapeutica* 2022; 41(2): 139-148 <http://doi.org/10.5281/zenodo.6578848>

137. Chemical and physical features of biological fluids in treatment of hydatid disease. *Brazilian Journal of Biology* 2024, e257021*.* <https://doi.org/10.1590/1519-6984.25702>

138. Role of Alloying Composition on the Nanomechanical Behavior of Amorphous Nanolaminates. *Chinese Physics B* 2022. <https://doi.org/10.1088/1674-1056/ac785d>

139. Coronavirus disease 2019 (COVID‐19) update: From metabolic reprogramming to immunometabolism. *Journal of Medical Virology* 2022; 94(10): 4611-4627. <https://doi.org/10.1002/jmv.27929>

140. Synthesis of bioactive Yttrium-metal organic framework as efficient nanocatalyst in synthesis novel Pyrazolopyranopyrimidines derivatives and evaluation anticancer activity. *Frontiers in Chemistry* 2022. <https://doi.org/10.3389/FCHEM.2022.928047>

141. Fabrication and Characterization of Copper (II) Complex Supported on Magnetic Nanoparticles as a Green and Efficient Nanomagnetic Catalyst for Synthesis of Diaryl Sulfones. *Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2083196>

142. Study of the role of mindfulness intervention based on stress reduction in psychological distress and self-efficacy among the health industry staff during COVID-19 pandemic. *International Journal of Work Organisation and Emotion* 2022; 13(2): 172 – 185 <https://dx.doi.org/10.1504/IJWOE.2022.123512>

143. Current Progress in Aptasensor for Ultra-Low Level Monitoring of Parkinson’s Disease Biomarkers. *Critical Reviews in Analytical Chemistry* 2022. <https://doi.org/10.1080/10408347.2022.2091920>

144. Assessment of groundwater quality and their vulnerability to pollution using GQI and DRASTIC indices. *Journal Of Water And Land Development* 2022;53: 138-142. <https://doi.org/10.24425/jwld.2022.140789>

145. Epichlorohydrin Crosslinked 2,4‑Dihydroxybenzaldehyde Schiff Base Chitosan@SrFe12O19 (EP‑DBSB‑CS@SrFe12O19) Magnetic Nanocomposite for Efficient Removal of Pb(II) and Cd(II) from Aqueous Solution. *Journal of Polymers and the Environment* 2022. <https://doi.org/10.1007/s10924-022-02505-2>

146. Computational Study of Interaction and Removal of Benzopyran by Anatase Titanium Dioxide Nanoparticle. *Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2091620>

147. The Effect of Heat Variable on the Chemical Composition and Bioactivities of a *Citrullus lanatus* Seed Aqueous Extracts. *Medicinal and Chemical sciences* 2022; 5(7): 1166-1176. <https://doi.org/10.26655/JMCHEMSCI.2022.7.4>

148. Comparison of emotion regulation strategies in individuals with migraine, tension, and normal headaches. *International Journal of Body, Mind and Culture* 2022; 9(2). <http://dx.doi.org/10.22122/ijbmc.v9i2.388>

149. Intimate partner violence against pregnant women during the COVID-19 pandemic: a systematic review and meta-analysis. *Women & Health* 2022; 62(6): 556-564. <https://doi.org/10.1080/03630242.2022.2096755>

150. Progressive Types of Fe3O4 Nanoparticles and Their Hybrids as Catalysts. *Journal of Chemical Reviews* 2022; 4(4): 288-312. <https://doi.org/10.22034/JCR.2022.325255.1137>

151. Apigenin alleviates resistance to doxorubicin in breast cancer cells by acting on the JAK/STAT signaling pathway. *Molecular Biology Reports* 2022. <https://doi.org/10.1007/s11033-022-07727-0>

152. Synthesis of disubstituted anisolodipyrone-derived ester compounds: The search for new bioactive candidates. *Eurasian Chemical Communications* 2022; 4(11): 1171-1183. <https://dx.doi.org/10.22034/ecc.2022.349861.1498>

153. Novel Gd2O3/SrFe12O19@Schiff base chitosan (Gd/SrFe@SBCs) nanocomposite as a novel magnetic sorbent for the removal of Pb(II) and Cd(II) ions from aqueous solution. *Journal of the Chinese Chemical Society* 2022; 69(7): 1079-1087. [https://doi.org/10.1002/jccs.202200013](https://doi.org/10.1002/jccs.202100507)

154. An efficient and durable bifunctional electrocatalyst based on SnO2/CNT toward electrocatalytic full water splitting. *Journal of Alloys and Compounds* 2022; 922: 166284.<https://doi.org/10.1016/j.jallcom.2022.166284>

155. Synthesis of efficient Co-MOF as reusable nanocatalyst in the synthesis new 1,4-dihydropyridine derivatives with antioxidant activity. *Frontiers in Chemistry* 2022. [https://doi.org/10.3389/fchem.2022.932902](https://doi.org/10.3389/FCHEM.2022.928047)

156. The effects of alloying composition on plasticity and strength of notched metallic glasses. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications* 2023; 237(2): 343-352.<https://doi.org/10.1177%2F14644207221113042>

157. Catalytic filtration: efficient C-C cross-coupling using Pd(II)-salen complex-embedded cellulose filter paper as a portable catalyst. *RSC Advances* 2022; 12: 20156-20173. <https://doi.org/10.1039/D2RA03440A>

158. The deciphering of the immune cells and marker signature in COVID-19 pathogenesis: An update. *Journal of Medical Virology* 2022; 94(11): 5128-51-48. <https://doi.org/10.1002/jmv.28000>

159. Mutual prodrugs for colon targeting: A review. *Eurasian Chemical Communications* 2022; 4(12): 1251-1265. <https://dx.doi.org/10.22034/ecc.2022.351682.1506>

160. The effect of flaxseed oil consumption on blood pressure among patients with metabolic syndrome and related disorders: A systematic review and meta-analysis of randomized clinical trials. *Phytotherapy Research* 2022; 36(10): 3766-3773. <https://doi.org/10.1002/ptr.7566>

161. Mequinol-loaded carboxymethyl cellulose/chitosan electrospun wound dressing as a potential candidate to treat diabetic wounds. *Cellulose* 2022. https://doi.org/10.1007/s10570-022-04753-w

162. Clinical application of mesenchymal stem cell in regenerative medicine: a narrative review. *Stem Cell Research & Therapy* 2022; 13, Article number: 366. <https://doi.org/10.1186/s13287-022-03054-0>

163. Detection of sulfasalazine drug by pure and doped boron nitride nanoclusters in solvent and gas phases using the DFT and TD-DFT calculation. *Inorganic Chemistry Communications* 2022. <https://doi.org/10.1016/j.inoche.2022.109804>

164. Annealing Temperature Effect on Structural, Magnetic Properties and Methyl Green Degradation of Fe2O3 Nanostructures. *Arabian Journal for Science and Engineering* 2023; 48(1):375-382. <https://doi.org/10.1007/s13369-022-07118-4>

165. Insights into the Electronic Properties of Coumarins: A Comparative Study Synthesis and Characterization of Fe2O3/Mn2O3 Magnetic Nanocomposites for the Photocatalytic Degradation of Methylene Blue. *Physical Chemistry Research* 2023; 11(2): 337-347. [https://doi.org/10.22036/PCR.2022.336018.2070](https://doi.org/10.1007/s13369-022-07118-4)

166. Moderating Role of Compassion in the Link between Fear of Coronavirus Disease and Mental Health among Undergraduate Students. *Frontiers in Psychiatry* 2022. <https://doi.org/10.3389/fpsyt.2022.990678>

167. Effect of Licorice Essential Oil (Glycyrrhizaglabraglabra) on Performance and Some Biochemical Parameters of Broiler Chickens. *Archives of Razi Institute* 2023; 78(1): 89-99.

<https://doi.org/10.22092/ari.2022.359522.2442>

168. The Role of Selenium on the Status of Mineral Elements and Some Blood Parameters of Blood Serum of Lambs. *Archives of Razi Institute* 2023; 78(1): 129-138.

[https://doi.org/10.22092/ARI.2022.359471.2427](https://doi.org/10.1016/j.mtcomm.2021.102909)

169. The effect of Eucalyptus globulushydro alcoholic extract on LH, FSH and testosterone concentrations and sperm morphology. *Archives of Razi Institute* 2023; 78(1):109-117. [https://doi.org/10.22092/ARI.2022.359470.2426](https://doi.org/10.1016/j.mtcomm.2021.102909)

170. Evaluation of Phosphorus Storage and Performance of Broilers Using Phytase Synthetic Enzyme. *Archives of Razi Institute* 2023;78(1):101-108.

[https://doi.org/10.22092/ARI.2022.359524.2443](https://doi.org/10.1016/j.mtcomm.2021.102909)

171. Smartphone based aptasensors as intelligent biodevice for food contamination detection in food and soil samples: Recent advances. *Talanta* 2023; 252, 123769. <https://doi.org/10.1016/j.talanta.2022.123769>

172. Optical and Electrochemical Aptasensors Developed for the Detection of Alpha-Fetoprotein. *Critical Reviews in Analytical Chemistry* 2022. <https://doi.org/10.1080/10408347.2022.2099221>

173. Protective Effect of Summer Savory (*Satureja Hortensis*) Essential Oil on Some Growth, Biochemical, Immune Serum, Mucosal Immune System and Antioxidant Parameters of Common Carp (Cyprinus Carpio) Exposed to Pretilachlor Herbicide. *Veterinary Research Communications* 2022. <https://doi.org/10.1007/s11259-022-09970-z>

174. Modulatory role of dietary curcumin and resveratrol on growth performance, serum immunity responses, mucus enzymes activity, antioxidant capacity and serum and mucus biochemicals in the common carp, *Cyprinus carpio* exposed to abamectin. *Fish and Shellfish Immunology* 2022; 129(10): 221-230. <https://doi.org/10.1016/j.fsi.2022.08.042>

175. Flexural response of steel beams strengthened by fibre-reinforced plastic plate and fire retardant coating at elevated temperatures. *Structural Engineering and Mechanics* 2022; 83(4): 551-561. <https://doi.org/10.12989/sem.2022.83.4.551>

176. A novel approach based on ultrasonic assisted microwave for efficient synthesis of Sc-MOF@SiO2 core / shell nanostructures for H2S gas adsorption: Controllable systematic study for green future. *Frontiers in Chemistry* 2022.

<https://doi.org/10.3389/fchem.2022.956104>

177. Synthesis and Characterization of Magnetized Di(Pyridin-2-Yl)Amine-Copper (II) Complex and Its Catalytic Applications in Synthesis of Ynones and Amides. *Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2112713>

178. A novel and efficient magnetically recoverable copper catalyst [MNPs-guanidine-bis(ethanol)-Cu] for Pd-free Sonogashira coupling reaction. *Synthetic communications* 2022. <https://doi.org/10.1080/00397911.2022.2116718>

179. Effect of spatial heterogeneity on level of rejuvenation in Ni80P20 metallic glass. *Chinese Physics B* 2022: 13(9): 096401. <https://doi.org/10.1088/1674-1056/ac615e>

180. The Effects of Oxide Layer on the Joining Performance of CuZr Metallic Glasses. *Transactions of the Indian Institute of Metals* 2022. https://doi.org/10.1007/s12666-022-02739-7

181. Functions and therapeutic interventions of non-coding RNAs associated with TLR signaling pathway in atherosclerosis. *Cellular Signalling* 2022, 110471. <https://doi.org/10.1016/j.cellsig.2022.110471>

182. Potential protective effects of Thyme (Thymus vulgaris) essential oil on growth, hematology, immune responses, and antioxidant status of Oncorhynchus mykiss exposed to Malathion. *Annals of Animal Science* 2022. <https://doi.org/10.2478/aoas-2022-0064>

183. Mitofusin-2 in cancer: Friend or foe? *Archives of Biochemistry and Biophysics* 2022; 730; 109395. <https://doi.org/10.1016/j.abb.2022.109395>

184. Total Oxidants, Lipid Peroxidation and Antioxidant Capacity in the Serum of Rheumatoid Arthritis Patients. *Journal of Pharmaceutical Negative Results* 2022; 13(3): 231-235. <https://www.pnrjournal.com/index.php/home/article/view/400/267>

185. Phosphate Ion Removal from Synthetic and Real Wastewater Using MnFe2O4 Nanoparticles: A Reusable Adsorbent. *Acta Chimica Slovenica* 2022; 69(3): 681-693. <http://dx.doi.org/10.17344/acsi.2022.7594>

186. Safety and Efficacy of Proton-Pump Inhibitors are Relevant to their Distinctive Chemical Structures and Physicochemical Properties. *International Journal of Pharmacy and Pharmaceutical Studies* 2022; 6(2): 1-10. <https://bharatpublication.com/admin/upload_ijpps/01%20Eman%20Mahmood%2001240.pdf>

187. The roles of CCR10/CCL27-CCL28 axis in tumor development: Mechanisms, Diagnostic & Therapeutic Approaches, and Perspectives. Expert Reviews in Molecular Medicine 2022. <https://doi.org/10.1017/erm.2022.28>

188. Noise pollution in rail transport. Case study: Baghdad subway. *Noise Mapping* 2022; 9: 113-119. <https://doi.org/10.1515/noise-2022-0007>

189. Recent Progress in Aptamer-Functionalized Metal-Organic Frameworks-Based Optical and Electrochemical Sensors for Detection of Mycotoxins. *Critical Reviews in Analytical Chemistry* 2022. <https://doi.org/10.1080/10408347.2022.2128634>

190. Computation in Chemistry: Representative Software and Resources. *International Journal of Analysis of Basic and Applied Science* 2022; 7(4): 1-22. <http://bharatpublication.com/current-issue.php?jID=30/IJABAS>

191. Stem cell-derived exosomes in bone healing: focusing on their role in angiogenesis. Ctyotherapy 2022. <https://doi.org/10.1016/j.jcyt.2022.08.008>

192. A Comprehensive Optimization Approach Based on Cloud Computing for Logistic Sharing System Planning. *Industrial Engineering & Management Systems* 2022; 21(3): 468-474. <https://doi.org/10.7232/iems.2022.21.3.468>

193. Mushroom Supply Chain Network Design Using Robust Optimization Approach under Uncertainty. *Industrial Engineering & Management Systems* 2022; 21(3): 516-525. <https://doi.org/10.7232/iems.2022.21.3.526>

194. Application of Variable Neighborhood Search Algorithm for Time Dependent School Service Routing Problem. *Industrial Engineering & Management Systems* 2022; 21(3): 526-537. <https://doi.org/10.7232/iems.2022.21.3.526>

195. A New Commodity Distribution Approach Based on Asymmetric Traveler Salesman Using Ant Colony Algorithm. *Industrial Engineering & Management Systems* 2022; 21(3): 538-546. <https://doi.org/10.7232/iems.2022.21.3.538>

196. A green chemistry approach for oxidation of alcohols using novel bioactive cobalt composite immobilized on polysulfone fibrous network as a Catalyst. *Frontiers in Chemistry* 2022. <https://doi.org/10.3389/fchem.2022.1015515>

197. PCSK9 pathway-noncoding RNAs crosstalk: Emerging opportunities for novel therapeutic approaches in inflammatory atherosclerosis. International Immunopharmacology. Volume 113, Part A, December 2022, 109318. <https://doi.org/10.1016/j.intimp.2022.109318>

198. Evaluation of the effect of peppermint extract and probiotics on biochemical factors in the blood of ascites-induced chickens. *Archives of Razi Institute* 2022. <https://doi.org/10.22092/ARI.2022.360090.2549>

199. Concanavalin A as a promising lectin-based anti-cancer agent: the molecular mechanisms and therapeutic potential. Cell Communication and Signaling 2022; 20: Article number 167. <https://doi.org/10.1186/s12964-022-00972-7>

200. Investigating the Effect of Smoking on the Incidence of Internal Diseases (A Review Paper). *International Journal of Body, Mind and Culture* 2022; 9(4): 259-270. <http://dx.doi.org/10.22122/ijbmc.v9i4.393>

201. Entrapment of polyethylene terephthalate derived carbon in Ca-alginate beads for solid phase extraction of polycyclic aromatic hydrocarbons from environmental water samples. *Inorganic Chemistry Communications* 2022, 110147. <https://doi.org/10.1016/j.inoche.2022.110147>

202. Ketoprofen suppresses triple negative breast cancer cell growth by inducing apoptosis and inhibiting autophagy. *Molecular Biology Reports* 2023; 50: 85-95. <https://doi.org/10.1007/s11033-022-07921-0>

203. Recent progress in synthesis and applications of MXene-based nanomaterials (MBNs) for (bio)sensing of microbial toxins, pathogenic bacteria in food matrices. *Microchemical Journal* 2022; 183: 108121. <https://doi.org/10.1016/j.microc.2022.108121>

204. Fe3O4@SiO2-(Imine-Thiazole)-Cu(OAc)2 nanocomposite catalyzed one-pot three-component synthesis of 2-Substituted benzothiazoles using S8 as sulfur source. *Journal of Sulfur Chemistry* 2022. <https://doi.org/10.1080/17415993.2022.2137413>

205. Applications of Electrochemical and Optical Biosensing Techniques Based on Nanomaterials for Detection of SARS-COV-2 Specific Antibodies: An Update Review. *Analytical and Bioanalytical Electrochemistry* 2022; 14(10): 980-997.

206. Fouling resistance investigations of seaweed products. *Brazilian Journal of Biology* 2024; 84: e263386. <https://doi.org/10.1590/1519-6984.263386>

207. The impact of aerosol box on tracheal intubation during the COVID‐19 pandemic: a systematic review. *Expert Review of Medical Devices* 2022;19(10): 779-789. <https://doi.org/10.1080/17434440.2022.2132149>

208. Determining the parameters of noise pollution in the central area of the Almaty city in Kazakhstan. *Noise Mapping* 2022; 9: 120-127. <https://doi.org/10.1515/noise-2022-0152>

209. Dietary quercetin improved growth, body composition, haematology, immunity and resistance to *Aeromonas hydrophila* infection in common carp (*Cyprinus carpio*). *Aquaculture Research* 2022; 53(18):6910-6920. <https://doi.org/10.1111/are.16156>

210. Intramolecular Cascade C–S Bond Formation: A Safe and New Strategy for the Synthesis of Riluzole Analogues Catalyzed by K2S2O8. *Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2143826>

211. Evaluation of Structural and Thermodynamic Parameters of Dibenzothiophene Desulfurization by Carbon Nano-Filter*. Polycyclic Aromatic Compounds* 2022. <https://doi.org/10.1080/10406638.2022.2146729>

212. The radioprotective potentials of silymarin/silibinin against radiotherapy-induced toxicities: A systematic review of clinical and experimental studies. *Current Medicinal Chemistry* 2023; 30(33): 3775-3797. http://dx.doi.org/10.2174/0929867330666221124155339

213. Electrochemical detection of sulfite in food samples. *Journal of Electrochemical Science and Engineering* 2022; 12(6): 1061-1079. <https://doi.org/10.5599/jese.1555>

214. Circulating and dietary advanced glycation end products and obesity in an adult population: A paradox of their detrimental effects in obesity. *Frontiers in Endocrinology* 2022. <https://doi.org/10.3389/fendo.2022.966590>

215. The biomedical potential of polycaprolactone nanofibrous scaffold containing titanium oxide for wound healing applications. *International Journal of Microstructure and Materials Properties* 2023; 16(4): 278-291. [https://doi.org/10.1504/IJMMP.2022.10052620](https://doi.org/10.1504/IJMMP.2022.110007)

216. The role of miRNA-128 in the development and progression of gastrointestinal and urogenital cancer. *Future Oncology* 2022; 18(38): 4209-4231. <https://doi.org/10.2217/fon-2022-0574>

217. Effectual and Rapid Synthesis of Hantzsch Derivatives in Solvent-Free Conditions Catalyzed by a Mesoporous Basic Silica-Based Nanomaterial. *Silicon* 2023; 15: 3453–3461. <https://doi.org/10.1007/s12633-022-02275-5>

218. Investigate the effect of Zn12O12, AlZn11O12, and GaZn11O12 nanoclusters in the carbamazepine drug detection in gas and solvent phases: a comparative DFT study. *Monatshefte für Chemie - Chemical Monthly* 2022. <https://doi.org/10.1007/s00706-022-03025-4>

219. Advances in Biosensing of Chemical Food Contaminants Based on the MOFs-Graphene Nanohybrids. *Critical Reviews in Analytical Chemistry* 2022. <https://doi.org/10.1080/10408347.2022.2160923>

220. Dietary Thymol Improved Growth, Body Composition, Digestive Enzyme Activities, Hematology, Immunity, Antioxidant Defense, and Resistance to *Streptococcus iniae* in the Rainbow Trout (*Oncorhynchus mykiss*). *Aquaculture Nutrition* 2022; 2022: Article ID 3288139. <https://doi.org/10.1155/2022/3288139>

221. The Relationship between Emotional Intelligence and Academic Achievement among the Students of Trisakti University, Indonesia. *International Journal of Body, Mind and Culture* 2023; 10(1): 90-98. <http://dx.doi.org/10.22122/ijbmc.v10i1.390>

222. Natural products for attenuating Alzheimer's disease: A narrative review. *Eurasian Chemical Communications* 2023; 5(4): 358-370. <https://doi.org/10.22034/ecc.2023.377844.1579>

223. The role of miR-128 in cancer development, prevention, drug resistance, and immunotherapy. *Frontiers in Oncology* 2023; 12: 1067974. [https://doi.org/10.3389/fonc.2022.1067974](https://doi.org/10.22034/ecc.2023.377844.1579)

224. Microplastic and oil pollutant agglomerates synergistically intensify toxicity in the marine fish, Asian seabass, *Lates calcalifer*. *Environmental Toxicology and Pharmacology* 2023; 98, 104059. <https://doi.org/10.1016/j.etap.2022.104059>

225. Smartphone-Facilitated Mobile Colorimetric Probes for Rapid Monitoring of Chemical Contaminations in Food: Advances and Outlook. *Critical Reviews in Analytical Chemistry* 2023. <https://doi.org/10.1080/10408347.2022.2164173>

226. Smartphone-Facilitated Mobile Colorimetric Probes for Rapid Monitoring of Chemical Contaminations in Food: Advances and Outlook. *Physical Chemistry Research* 2023; 11(4): 853-864. [https://doi.org/10.22036/PCR.2022.354371.2157](https://doi.org/10.1080/10408347.2022.2164173)

227. Copper (II) Complex Immobilized on Magnetic Nanoparticles Functionalized with Imine/Thio Ligand (Fe3O4@SiO2-Imine/Thio-Cu(II)): A Novel, Efficient and Reusable Nanomagnetic Catalysts for the Synthesis of 2,4,6-Triaryl Pyridines. *Polycyclic Aromatic Compounds* 2023. <https://doi.org/10.1080/10406638.2022.2164015>

228. The association between prenatal exposure to polycyclic aromatic hydrocarbons and childhood intelligence: a systematic review of observational studies. *Environmental Science and Pollution Research* 2023. <https://doi.org/10.1007/s11356-023-25309-w>

229. Pathogenic role of 25-hydroxycholesterol in cancer development and progression. *Future Oncology* 2022; 18(39): 4415-4442.. <https://doi.org/10.2217/fon-2022-0819>

230. Recent progressions in biomedical and pharmaceutical applications of chitosan nanoparticles: A comprehensive review. *International Journal of Biological Macromolecules* 2023; 231, 123354. <https://doi.org/10.1016/j.ijbiomac.2023.123354>

231. Single or combined consumption of resveratrol and the probiotic, Lactobacillus acidophilus attenuate the effects of crowding stress on growth, immune characteristics, and antioxidant defense in the common carp, (*Cyprinus carpio*). *Aquaculture Reports* 2023; 29: 101471. <https://doi.org/10.1016/j.aqrep.2023.101471>

232. The protective effects of silymarin on the reproductive toxicity: a comprehensive review. *Current Medicinal Chemistry* 2023; 30(39): 4421-4449. <http://dx.doi.org/10.2174/0929867330666230130115332>

233. An in vitro investigation of the apoptosis-inducing activity of corosolic acid in breast cancer cells. *Iranian Journal of Basic Medical Sciences* 2023;26(4). <http://dx.doi.org/10.22038/IJBMS.2023.67783.14834>

234. Overview of the role and action mechanism of microRNA-128 in viral infections. *Microbial Pathogenesis* 2023; 176: 106020. <https://doi.org/10.1016/j.micpath.2023.106020>

235. Investigating the Effects of Hydro-alcoholic Urtica Dioica Extract and Retinoic Acid on Follicular Development: An Animal Study. *Medical Journal of The Islamic Republic of Iran* 2023; 37(1): 1-8. <http://dx.doi.org/10.47176/mjiri.37.1>

236. Introduction of versatile and recyclable network poly (ionic liquid)s as an efficient solvent with desired properties for application in C-C cross-coupling reactions. *Journal of Industrial and Engineering Chemistry* 16/2/2023. <https://doi.org/10.1016/j.jiec.2023.02.019>

237. The emerging crosstalk between atherosclerosis-related microRNAs and Bermuda triangle of foam cells: Cholesterol influx, trafficking, and efflux. *Cellular Signalling* 2023; 106, 110632. <https://doi.org/10.1016/j.cellsig.2023.110632>

238. Recent advances in nanomaterials-based electrochemical and optical sensing approaches for detection of food dyes in food samples: A comprehensive overview. *Microchemical Journal* 2023; 189, 108540. <https://doi.org/10.1016/j.microc.2023.108540>

239. A review of Schiff base-inorganic complexes and recent advances in their biomedicinal and catalytic attributes. *Eurasian Chemical Communications* 2023; 5(6):522-535 . <https://doi.org/10.22034/ecc.2023.379484.1587>

240. Recent advances of amino acid-based biosensors for the efficient food and water contamination detection in food samples and environmental resources: A technical and analytical overview towards advanced nanomaterials and biological receptor. *Microchemical Journal* 2023; 189, 108552. <https://doi.org/10.1016/j.microc.2023.108552>

241. Novel Improved HBMO Algorithm regarding Generation Expansion Planning in Decontrolled Energy Networks. *Journal of Operation and Automation in Power Engineering* 2023; 11(Special Issue). <https://doi.org/10.22098/joape.2023.10221.1725>

242. Mesenchymal stem cell-released oncolytic virus: an innovative strategy for cancer treatment. *Cell Communication and Signaling* 2023; 21: Article number: 43. <https://doi.org/10.1186/s12964-022-01012-0>

243. Resveratrol in cancer chemotherapy: Is it a preventer, protector, or fighter?. *Eurasian Chemical Communications* 2023; 5(7): 576-587. <https://doi.org/10.22034/ecc.2023.379480.1586>

244. Dietary Chlorella vulgaris mitigated the adverse effects of Imidacloprid on the growth performance, antioxidant, and immune responses of common carp (*Cyprinus carpio*). *Annals of Animal Science* 2023. <https://doi.org/10.2478/aoas-2023-0003>

245. Sub Chronic Toxicity Study of Coumacines. *Pharmacognosy Journal* 2023; 15(1): 160-164. <http://dx.doi.org/10.5530/pj.2023.15.23>

246. Exposure to polycyclic aromatic hydrocarbons and liver function: a systematic review of observational studies. *Air Quality, Atmosphere and Health* 2023. <https://doi.org/10.1007/s11869-023-01324-1>

247. Curcumin in the treatment of liver cancer: From mechanisms of action to nanoformulations. *Phytotherapy Research* 2023. <https://doi.org/10.1002/ptr.7757>

248. CXC chemokine receptor 4 (CXCR4) blockade in cancer treatment. *Journal of Cancer Research and Clinical Oncology* 2023. <https://doi.org/10.1007/s00432-022-04444-w>

249. The antibacterial and cytocompatibility of the polyurethane nanofibrous scaffold containing curcumin for wound healing applications. *International Journal of Materials Research* 2023. <https://doi.org/10.1515/ijmr-2022-0279>

250. Modern developments in the application and function of metal/metal oxide nanocomposite–based antibacterial agents. *Bionanoscience* 2023. <https://doi.org/10.1007/s12668-023-01100-6>

251. Malignant function of nuclear factor-kappaB axis in prostate cancer: Molecular interactions and regulation by non-coding RNAs. *Pharmacological Research* 2023. <https://doi.org/10.1016/j.phrs.2023.106775>

252. Circ\_0067934 as a novel therapeutic target in cancer: From mechanistic to clinical perspectives. *Pathology - Research and Practice* 2023; 245, 154469. <https://doi.org/10.1016/j.prp.2023.154469>

253. Recent advances in assembly strategies of new advanced materials-based analytical methods for the detection of cardiac biomarkers as a diagnosis tool. *Microchemical Journal* 2023; 191, 108827. <https://doi.org/10.1016/j.microc.2023.108827>

254. Novel functionalized phenyl acetate derivatives of benzo [e]-bispyrone fused hybrids: Synthesis and biological activities. *Results in Chemistry* 2023; 5; 100942. <https://doi.org/10.1016/j.rechem.2023.100942>

255. The effects of curcumin on astrocytes in common neurodegenerative conditions. *Mini-Reviews in Medicinal Chemistry* 2023. <http://dx.doi.org/10.2174/1389557523666230502143131>

256. A systematic review of the chemo/radioprotective effects of melatonin against ototoxic adverse effects induced by chemotherapy and radiotherapy. *Current Pharmaceutical Design* 2023; 29(15): 1218-1229. <http://dx.doi.org/10.2174/1381612829666230503145707>

257. Targeting Nrf2 signaling pathway and oxidative stress by resveratrol for Parkinson’s disease: an overview and update on new developments. *Molecular Biology Reports* 2023. <https://doi.org/10.1007/s11033-023-08409-1>

258. The chemoprotective potentials of alpha-lipoic acid against cisplatin-induced ototoxicity: A systematic review. . *Current Medicinal Chemistry* 2023. <http://dx.doi.org/10.2174/0929867330666230509162513>

259. Advances in nanomaterials-based chemiluminescence (bio)sensor for specific and sensitive determination of pathogenic bacteria. *Microchemical Journal* 2023; 191, 108860. <https://doi.org/10.1016/j.microc.2023.108860>

260. Radiotherapy-associated sensorineural hearing loss in pediatric oncology patients. *Current Medicinal Chemistry* 2023. <http://dx.doi.org/10.2174/0929867330666230515112245>

261. The Effect of Arsenic on the Prevalence of Diabetes. Health Scope 2023; 12(2): e135108. <https://doi.org/10.5812/jhealthscope-135108>

262. The association of in-utero exposure to polycyclic aromatic hydrocarbons and umbilical liver enzymes. *Science of The Total Environment* 2023; 888: 164220. <https://doi.org/10.1016/j.scitotenv.2023.164220>

263. Effect of Modified Nano-Graphene Oxide and Silicon Carbide Nanoparticles on the Mechanical Properties and Durability of Artificial Stone Composites from Waste. *Polycyclic Aromatic Compounds* 2023. <https://doi.org/10.1080/10406638.2023.2214287>

264. Phenytoin drug detection study through the B24N24 and Al24N24 nano-clusters in gas and solvent phase: DFT, TD-DFT, and thermodynamic study. *Inorganic Chemistry Communications* 2023; 153: 110887. <https://doi.org/10.1016/j.inoche.2023.110887>

265. CDKN2B-AS1 as a novel therapeutic target in cancer: Mechanism and clinical perspective. *Biochemical Pharmacology* 2023; 213; 115627.

266. A Critical Review on Corrosion and Fouling of Water in Water Distribution Networks and Their Control. Acta Chimica Slovenica 2023; 70(2): 173-183. <https://doi.org/10.17344/acsi.2022.7939>

267. Metabolomic profiling of bacterial biofilm: trends, challenges, and an emerging antibiofilm target. *World Journal of Microbiology and Biotechnology* 2023; 39: 212. <https://doi.org/10.1007/s11274-023-03651-y>

268. An investigation of relationships between body compassion, social physique anxiety and physical appearance perfectionism in young people from Iran. *Journal of Eating Disorders* 2023; 11: 90. <https://doi.org/10.1186/s40337-023-00807-x>

269. Functional role of circRNAs in osteogenesis: A review. *International Immunopharmacology* 2023; 121; 110455. <https://doi.org/10.1016/j.intimp.2023.110455>

270. The pathological role of C-X-C chemokine receptor type 4 (CXCR4) in colorectal cancer (CRC) progression; special focus on molecular mechanisms and possible therapeutics. *Pathology - Research and Practice* 2023; 248: 154616. <https://doi.org/10.1016/j.prp.2023.154616>

270. A Systematic Review and Meta-Analysis on Death Anxiety During COVID-19 Pandemic. *OMEGA - Journal of Death and Dying* 2023. <https://doi.org/10.1177/00302228221144791>

271. The cross-talk between LncRNAs and JAK-STAT signaling pathway in cancer. *Pathology - Research and Practice* 2023; 248: 154657. <https://doi.org/10.1016/j.prp.2023.154657>

272. Acute Toxicity Of Coumacines: An In Vivo Study. *Georgian medical news* 2023; 338(5): 126-131.

273. STAT3 Signaling Axis and Tamoxifen in Breast Cancer: A Promising Target for Treatment Resistance. *Anti-Cancer Agents in Medicinal Chemistry* 2023. <http://dx.doi.org/10.2174/1871520623666230713101119>

274. A green and sustainable selective oxidation of aromatic sulfides to sulfoxides derivatives via graphite electro-catalyzed reaction with sodium bromide. *Journal of Molecular Structure* 2023; 1293:136271. <https://doi.org/10.1016/j.molstruc.2023.136271>

275. Hyperbaric oxygen in combination with epigallocatechin-3-gallate synergistically enhance recovery from spinal cord injury in rats. *Neuroscience* 2023. <https://doi.org/10.1016/j.neuroscience.2023.07.015>

276. The mechanisms, functions and clinical applications of miR-542-3p in human cancers. *Pathology - Research and Practice* 2023; 248: 154724. <https://doi.org/10.1016/j.prp.2023.154724>

277. Harmful Free Radicals in Aging: A Narrative Review of Their Detrimental Effects on Health. *Indian Journal of Clinical Biochemistry* 2024; 39: 154-167. <https://doi.org/10.1007/s12291-023-01147-y>

278. The effect of watermelon supplementation on blood pressure: a meta-analysis of randomized clinical trials. *Journal of Herbal Medicine* 2023. <https://doi.org/10.1016/j.hermed.2023.100726>

279. Unraveling the Impact of 27-Hydroxycholesterol in Autoimmune Diseases: Exploring Promising Therapeutic Approaches. *Pathology - Research and Practice* 2023; 248: 154737. <https://doi.org/10.1016/j.prp.2023.154737>

280. Inflammatory diseases: function of LncRNAs in their emergence and the role of mesenchymal stem cell secretome in their treatment. *Pathology - Research and Practice* 2023; 249: 154758. <https://doi.org/10.1016/j.prp.2023.154758>

281. Advances in preparation, biomedical, and pharmaceutical applications of chitosan-based gold, silver, and magnetic nanoparticles: A review. *International Journal of Biological Macromolecules* 2023; 251: 126390. <https://doi.org/10.1016/j.ijbiomac.2023.126390>

282. Bonding Properties of AA1050 Strips Fabricated Via Electrically Assisted Roll Bonding (EARB) Process. *Acta Technologica Agriculturae* 2023;26(3): 180-184. <https://doi.org/10.2478/ata-2023-0024>

283. Watermelon Allsweet: A Promising Natural Source of Bioactive Products. Journal of Medicinal and Chemical Sciences. 2022: 5(5): 652-666. <https://doi.org/10.26655/JMCHEMSCI.2022.5.1>

284. A thorough and current study of miR-214-related targets in cancer. *Pathology - Research and Practice* 2023; 249: 154770. <https://doi.org/10.1016/j.prp.2023.154770>

285. The microRNAs (miRs) overexpressing mesenchymal stem cells (MSCs) therapy in neurological disorders; hope or hype. *Biotechnology Progress* 2023; 39: e3383. <https://doi.org/10.1002/btpr.3383>

286. Kidney stones: natural remedies and lifestyle modifications to alleviate their burden. *International Urology and Nephrology* 2023. <https://doi.org/10.1007/s11255-023-03764-1>

287. Functions of LncRNAs, Exosomes Derived MSCs and Immune Regulatory Molecules in Preeclampsia Disease. *Pathology - Research and Practice* 2023; 250: 154795. <https://doi.org/10.1016/j.prp.2023.154795>

288. Manufacturing of bimetal 1060/5083 composites via accumulative press bonding. *Journal of Applied Research and Technology* 2023; 21(4): 707-712. <https://jart.icat.unam.mx/index.php/jart/article/view/1921/1021>

289. Natural coumarins from two cultivars of watermelon seeds as biosafe anticancer agents, an algorithm for their isolation and evaluation. *Journal of Molecular Structure* 2023; 1295; 136644. <https://doi.org/10.1016/j.molstruc.2023.136644>

290. The potential role of interleukins and interferons in ovarian cancer. *Cytokine* 2023; 171: 156379. <https://doi.org/10.1016/j.cyto.2023.156379>

291. DBU hydrogen sulfate bonded to chloropropyl-functionalized bilayer silica-nano-Fe3O4: as an efficacious magnetic nanocatalyst for rapid synthesis of pyrido[2,3-d:6,5-d′]dipyrimidines. *Research on Chemical Intermediates* 2023. <https://doi.org/10.1007/s11164-023-05137-w>

292. Involving stemness factors to improve CAR T-cell-based cancer immunotherapy. *Medical Oncology* 2023; 40(11): 313. <https://doi.org/10.1007/s12032-023-02191-7>

293. A comprehension of signaling pathways and drug resistance; an insight into the correlation between microRNAs and cancer. *Pathology - Research and Practice* 2023; 251: 154848. <https://doi.org/10.1016/j.prp.2023.154848>

294. Emerging trends and future opportunities for coumarin-heterocycle conjugates as antibacterial agents. *Results in Chemistry* 2023; 6: 101151. <https://doi.org/10.1016/j.rechem.2023.101151>

295. Fuzzy Multi-Objective Optimization to Evaluate the Performance of Suppliers Taking Into Account the Visibility and Supply Chain Risk. *Foundations of Computing and Decision Sciences* 2023; 48(3): 385-397. <https://doi.org/10.2478/fcds-2023-0017>

296. Genosensor on-chip paper for point of care detection: A review of biomedical analysis and food safety application. *Talanta* 2023; 267: 125274. <https://doi.org/10.1016/j.talanta.2023.125274>

297. Coumarins from carcinogenic phenol: synthesis, characterization, in silico, biosafety, anticancer, antioxidant, and anti-inflammatory assessments. *Chemical Papers* 2023. <https://doi.org/10.1007/s11696-023-03105-7>

298. LncRNA-miRNA interaction is involved in colorectal cancer pathogenesis by modulating diverse signaling pathways. *Pathology - Research and Practice* 2023; 251: 154898. <https://doi.org/10.1016/j.prp.2023.154898>

299. A narrative review of the effects of dexamethasone on traumatic brain injury in clinical and animal studies: focusing on inflammation. *Inflammopharmacology* 2023. <https://doi.org/10.1007/s10787-023-01361-3>

300. New frontiers and prospects of MXene-based photoelectrochemical sensing system for detection of pollutant in food and environment. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 2023; 679: 132568. <https://doi.org/10.1016/j.colsurfa.2023.132568>

301. Exosomes derived from adipose stem cells in combination with hyaluronic acid promote diabetic wound healing. *Tissue and Cell* 2023; 85: 102252. <https://doi.org/10.1016/j.tice.2023.102252>

302. Synthesis, in silico analysis, and biomedical effects of coumarins derived from resveratrol. *Phytomedicine Plus* 2023; 3(4):100501. <https://doi.org/10.1016/j.phyplu.2023.100501>

303. The cardioprotective effects of cerium oxide nanoparticles against the poisoning generated by aluminum phosphide pesticide: Controlling oxidative stress and mitochondrial damage. *Pesticide Biochemistry and Physiology* 2023; 197: 105701. <https://doi.org/10.1016/j.pestbp.2023.105701>

304. Testing and evaluation of the corrosion behavior of Aluminum/Alumina bulk composites fabricated via combined stir casting and APB process. *Advances in Materials Research* 2023: 10(4): 263-271. <https://doi.org/10.12989/amr.2023.12.4.263>

305. Effective exosomes in breast cancer: focusing on diagnosis and treatment of cancer progression. *Pathology - Research and Practice* 2023; 253: 154995. <https://doi.org/10.1016/j.prp.2023.154995>

306. A glimpse into let-7e roles in human disorders; friend or foe? *Pathology - Research and Practice* 2023; 253: 154992. <https://doi.org/10.1016/j.prp.2023.154992>

307. The Mechanistic Role of NAT10 in Cancer: Unraveling the Enigmatic Web of Oncogenic Signaling *Pathology - Research and Practice* 2023; 253: 154990. <https://doi.org/10.1016/j.prp.2023.154990>

308. A poly(2,6-diaminopyridine) functionalized magnetic porous carbon nanomaterial for extraction and determination of phenol, nitrophenols, and chlorophenols in water samples. *Microchemical Journal* 2024:197:109738. <https://doi.org/10.1016/j.microc.2023.109738>

309. Sweet Bell Pepper: A Focus on Its Nutritional Qualities and Illness-Alleviated Properties. *Indian Journal of Clinical Biochemistry* 2023. <https://doi.org/10.1007/s12291-023-01165-w>

310. Soluble receptor for advanced glycation end products (sRAGE) is associated with obesity rates: a systematic review and meta-analysis of cross-sectional study. *BMC Endocrine Disorders* 2023; 23: Article number: 275. <https://doi.org/10.1186/s12902-023-01520-1>

311. Effects of heat variables on the starch content of cooked white rice: Searching for diabetes-friendly food. *Bioactive Carbohydrates and Dietary Fibre* 2023; 30: 100395. <https://doi.org/10.1016/j.bcdf.2023.100395>

312. The Treatment Effect of Plantago Major on Lung Cancer Based on the Computed Tomography and Pathological Findings: A Case Report Study. *Frontiers in Biomedical Technologies* 2024;11(3). <https://fbt.tums.ac.ir/index.php/fbt/article/view/894>

313. Annulated Heterocyclic[*g*]Coumarin Composites: Synthetic Approaches and Bioactive Profiling. *Chemistry and Biodiversity* 2024;21: e202301855. <https://doi.org/10.1002/cbdv.202301855>

314. Triple coumarin-based 5-fluorouracil prodrugs, their synthesis, characterization, and release kinetics. *Journal of Molecular structure* 2024; 1301; 137415. <https://doi.org/10.1016/j.molstruc.2023.137415>

315. Characterization of the renal safety profiles of coumacines. *Pharmakeftiki* 2023;35(4): 57-63. <https://doi.org/10.60988/pj.v35i4.22>

316. Novel Coumarin-Indole Hybrids as Cytotoxic Candidates: Synthesis and Antiproliferative Activity. *Pharmacognosy Journal* 2023;15(6):1105-1111. <http://dx.doi.org/10.5530/pj.2023.15.201>

317. Isothermal amplification methods in cancer-related miRNA detection; a new paradigm in study of cancer pathology. *Pathology - Research and Practice* 2024: 253: 155072. <https://doi.org/10.1016/j.prp.2023.155072>

318. Coumarins derived from natural methoxystilbene as oxidative stress-related disease alleviators: Synthesis and *in vitro*-*in silico* study. *Journal of Molecular Structure* 2024;1302:137471. <https://doi.org/10.1016/j.molstruc.2023.137471>

319. Aptamer-Magnetic Nanoparticle Complexes for Powerful Biosensing: A Comprehensive Review. *Critical Reviews in Analytical Chemistry* 2024. <https://doi.org/10.1080/10408347.2023.2298328>

320. COX 2-inhibitors; a thorough and updated survey into combinational therapies in cancers. *Medical Oncology* 2024;41: Article number 41. <https://doi.org/10.1007/s12032-023-02256-7>

321. An overview of the uses of propolis for oral health. *Advancements in Life Sciences* 2023; 10(4): 515-524. <https://www.als-journal.com/1042-23/>

322. lncRNA-microRNA axis in cancer drug resistance: particular focus on signaling pathways. *Medical Oncology* 2024; 41: 52. <https://doi.org/10.1007/s12032-023-02263-8>

323. Long non-coding RNA (lncRNA) PVT1 in drug resistance of cancers; focus on pathological mechanisms. *Pathology - Research and Practice* 2024: 254: 155119. <https://doi.org/10.1016/j.prp.2024.155119>

324. Effective extracellular vesicles in glioma: Focusing on effective ncRNA exosomes and immunotherapy methods for treatment. *Cell Biochemistry and Function* 2024; 42(1): e3921. <https://doi.org/10.1002/cbf.3921>

325. Role of genetically engineered mesenchymal stem cell exosomes and LncRNAs in respiratory diseases treatment. *Pathology - Research and Practice* 2024: 254: 155135. <https://doi.org/10.1016/j.prp.2024.155135>

326. Overcoming drug resistance with specific nano scales to targeted therapy: focused on metastatic cancers. *Pathology - Research and Practice* 2024: 254: 155137. <https://doi.org/10.1016/j.prp.2024.155137>

327. The role of exo-miRNA in diagnosis and treatment of cancers, focusing on effective miRNAs in colorectal cancer. *Cell Biology International* 2024. <https://doi.org/10.1002/cbin.12122>

328. 6,7-Coumarin-Heterocyclic Hybrids: A Comprehensive Review of Their Natural Sources, Synthetic Approaches, and Bioactivity. *Journal of Molecular Structure* 2023; 1303:137601. <https://doi.org/10.1016/j.molstruc.2024.137601>

329. Evaluation of telomere length, reactive oxygen species, and apoptosis in spermatozoa of patients with oligospermia. *Cell Biochemistry and Function* 2024; 42(2): e3935. <https://doi.org/10.1002/cbf.3935>

330. Coumarin hybrids for targeted therapies: A promising approach for potential drug candidates. *Phytochemistry Letters* 2024; 60: 117-133. <https://doi.org/10.1016/j.phytol.2024.01.010>

331. New Coumarin-Metronidazole Composites: Synthesis, Biocompatibility, and Anti-anaerobic Bacterial Activity. *Russian Journal of Bioorganic Chemistry* 2024; 50(1): 201-210. <https://doi.org/10.1134/S106816202401014X>

332. Platinum-free counter electrode based on ZnCo2O4@NiO core-shell nanostructures in dye-sensitized solar cells. *Materials Science in Semiconductor Processing* 2024; 174: 108234. <https://doi.org/10.1016/j.mssp.2024.108234>

333. Combretastatin A4-based coumarins: synthesis, anticancer, oxidative stress-relieving, anti-inflammatory, biosafety, and in silico analysis. *Chemical Papers* 2024. <https://doi.org/10.1007/s11696-024-03341-5>

334. Nutraceutical-based telomerase inhibitors: renewed hope for cancer therapy. *Phytomedicine Plus* 2024;4(2): 100537. <https://doi.org/10.1016/j.phyplu.2024.100537>

335. Recent advances in mRNA-based vaccine for cancer therapy; bench to bedside. *Cell Biochemistry and Function* 2024;42(2): e3954. <https://doi.org/10.1002/cbf.3954>

336. Comprehensive review on biosensors based on integration of aptamer and magnetic nanomaterials for food analysis. *Journal of the Taiwan Institute of Chemical Engineers* 2024; 157: 105410. <https://doi.org/10.1016/j.jtice.2024.105410>

337. Therapeutic gene delivery by mesenchymal stem cell for brain ischemia damage: Focus on molecular mechanisms in ischemic stroke. *Cell Biochemistry and Function* 2024; 42(2): e3957. <https://doi.org/10.1002/cbf.3957>

338. Integrating of analytical techniques with enzyme-mimicking nanomaterials for the fabrication of microfluidic systems for biomedical analysis. *Talanta* 2024; 273: 125896. <https://doi.org/10.1016/j.talanta.2024.125896>

339. Nucleic acid-based vaccine for ovarian cancer cells; bench to bedside. *Cell Biochemistry and Function* 2024; 42(2): e3978. <https://doi.org/10.1002/cbf.3978>

340. Nanoparticle-based theranostics in nuclear medicine. *Journal of Radioanalytical and Nuclear Chemistry* 2024. <https://doi.org/10.1007/s10967-024-09432-7>

341. Natural linear coumarin-heterocyclic conjugates: A review of their roles in phytotherapy. *Fitoterapia* 2024; 175: 105929. <https://doi.org/10.1016/j.fitote.2024.105929>

342. Synthesis and Evaluation of Novel Ring-Conjugated Coumarins as Biosafe Broad-Spectrum Antimicrobial Candidates. *Journal of Molecular Structure* 2024; 1309: 138192. <https://doi.org/10.1016/j.molstruc.2024.138192>

343. Biocompatible chlorocoumarins from harmful chlorophenols, their synthesis and biomedicinal evaluation. *Journal of Molecular Structure* 2024; 1309: 138193. <https://doi.org/10.1016/j.molstruc.2024.138193>

344.Screening of pslA and pelB Biofilm-Producing Genes from Pseudomonas Isolated from Clinical Samples. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* 2024. <https://doi.org/10.1007/s40011-024-01547-x>

345. Biosensors for detection contaminations in coffee samples: Recent progress and challenges. *Microchemical Journal* 2024; 200: 110472. <https://doi.org/10.1016/j.microc.2024.110472>

346. Plant-Derived Coumarins: A Narrative Review Of Their Structural And Biomedical Diversity. *Chemistry and Biodiversity* 2024; 21(4): e202400344. <https://doi.org/10.1002/cbdv.202400344>

347. Unveiling The Biomedical Applications Of Novel Coumarins Isolated From Capsicum Annuum L. Seeds By A Multivariate Extraction Technique. *Chemistry and Biodiversity* 2024; 21(4): e202400581. <https://doi.org/10.1002/cbdv.202400581>

348. A review of the prospective bioactivity of cyclosan and its derivatives. *Azerbaijan Pharmaceutical and Pharmacotherapy Journal* 2024; 23(1): 91-97. <https://doi.org/10.61336/appj/23-1-17>

349. 4-Chloroskimmetine-based derivatives as potential anticancer and antibacterial prospects: Their synthesis and in vitro inspections. *Results in Chemistry* 2024; 7:101511. <https://doi.org/10.1016/j.rechem.2024.101511>

350. Novel heterocyclic coumarin annulates: synthesis and figuring their roles in biomedicine, bench-to-bedside investigation. *Chemical Papers* 2024. <https://doi.org/10.1007/s11696-024-03441-2>

351. Metal-organic framework/MXene nanohybrid composites as an emerging electrochemical sensing platform for food safety and biomedical monitoring: From synthesis to application. *Electrochimica Acta* 2024; 493: 144424. <https://doi.org/10.1016/j.electacta.2024.144424>

352. Novel coumarins from green sweet bell pepper seeds: Their isolation, characterization, oxidative stress-mitigating, anticancer, anti-inflammatory, and antidiabetic properties. *Journal of Molecular Structure* 2024; 1312: 138629. <https://doi.org/10.1016/j.molstruc.2024.138629>

353. Nano-SiO2@nPr@DPyE-Ni: a novel nanocatalyst for the rapid production of symmetric di-aryl sulfides and pyrazolones. *Research on Chemical Intermediates* 2024. <https://doi.org/10.1007/s11164-024-05296-4>

354. Coumarin hybrids: a sighting of their roles in drug targeting. *Chemical papers* 2024. <https://doi.org/10.1007/s11696-024-03498-z>

***B- National publications***

1. Synthesis of new Metronidazole derivatives with suspected antimicrobial activity.

*Iraqi Journal of Pharmacy* 2008; 7(1): 34-41. <http://dx.doi.org/10.33899/iphr.2008.50092>

2. Synthesis and kinetic study of mutual azo prodrugs of 5-aminosalicylic acid with Sulfamethoxazole and with Trimethoprim as models for colon targeting. *Iraqi Journal of Pharmacy* 2010; 9(1): 21-31. <http://dx.doi.org/10.33899/iphr.2010.49980>

3. Synthesis and in vitro kinetic study of novel mutual azo prodrug for inflammatory bowel disease*. Iraqi Journal of Pharmacy* 2011; 11(2): 1-11.

<http://dx.doi.org/10.33899/iphr.2011.49649>

4. Synthesis of new metoclopramide derivatives and in vitro evaluation of their human cholinesterases protection against Chlorpyrifos. *Iraqi Journal of Pharmacy* 2011; 11(2): 58-69. <http://dx.doi.org/10.33899/iphr.2011.49900>

5. Synthesis and antibacterial activity of a new sulfamethoxazole derivative. *Tikrit Journal of Pharmaceutical Sciences* 2012; 8(1): 58-68. <http://dx.doi.org/10.25130/tjops.8.1.07>

6. Synthesis and in vitro kinetic study of new mutual prodrug for colon cancer associated with constipation. *Tikrit Journal of Pharmaceutical Sciences* 2012; 8(1): 35-49.

<http://dx.doi.org/10.25130/tjops.8.1.06>

7. Synthesis of new coumarin derivatives with suspected anticoagulant activity. *Iraqi Journal of Pharmacy* 2012; 12(1): 20-32. <http://dx.doi.org/10.33899/iphr.2012.62340>

8. Design, Synthesis and Kinetic Study of Coumarin-Based Mutual Prodrug of 5-Fluorouracil and Dichloroacetic acid. *Iraqi Journal of Pharmaceutical Sciences* 2016; 25(1) :6-16. <http://bijps.uobaghdad.edu.iq/index.php/bijps/article/view/353>

9. A review on the antibacterial potential of cantabiline-based derivatives. *Iraqi Journal of Pharmacy*2020; 17(1): 93-114. <http://dx.doi.org/10.33899/iphr.2020.167600>

10. A review on coumarin backbone: An attractive scaffold for promising bioactive compounds. *Iraqi Journal of Pharmacy*2021; 18(2): 104-125. <http://dx.doi.org/10.33899/iphr.2022.170402>

11. Synthesis of coumarin-based derivatives from different starting materials: A review of ongoing developments. *Iraqi Journal of Pharmacy*2021; 18(2): 126-138. <http://dx.doi.org/10.33899/iphr.2022.170403>

12. Natural Coumarin-Lead Compounds: A Review of Their Medicinal Potentials. *Iraqi Journal of Pharmacy*2021; 18(2): 139-161. <http://dx.doi.org/10.33899/iphr.2022.170404>

13. Coumarin-based products: Their biodiversity and pharmacology. *Iraqi Journal of Pharmacy*2021; 18(2): 162-179. <http://dx.doi.org/10.33899/iphr.2022.170405>

14. A Narrative Review of Benzo-Fused Coumarins, Shedding Light on Their Medicinal Activities. *Iraqi Journal of Pharmacy*2023; 20(1): 07-14. [http://dx.doi.org/10.33899/iphr.2023.138286.1024](http://dx.doi.org/10.33899/iphr.2022.170405)

15. The protective role of natural coumarins derivatives and anpro supplement against aflatoxin b1 pollution in the quails coturnix japonica diet. *Mesopotamia Journal of Agriculture* 2023; 51(1): 1-13. <http://dx.doi.org/10.33899/magrj.2023.136713.1205>

16. The Influence of Dioxolane Ring Conjugates on Biological Activities: A Review Study. *Iraqi Journal of Pharmacy*2023; 20(2): 99-110. <https://doi.org/10.33899/iphr.2023.142073.1051>

17. Thionyl Chloride: A Catalyst of Synthetic Chemical Interest. *Iraqi Journal of Pharmacy*2023; 20(2): 111-125. <https://doi.org/10.33899/iphr.2023.142073.1051>

18. Coumarin-Based Derivatives: A Review of Their Synthetic Routes, Reactivity, and Biomedical Attributes. *Iraqi Journal of Pharmacy*2023; 20(2): 133-151. <https://doi.org/10.33899/iphr.2023.142709.1054>

19. Bell Pepper Biowaste Products as Medicinally Valuable Nutraceuticals: A Comprehensive Review. *Iraqi Journal of Pharmacy*2023; 20(2): 152-167. [https://doi.org/10.33899/iphr.2023.142725.1055](https://doi.org/10.33899/iphr.2023.142709.1054)

20. Synthesis and Pharmacological Profiles of 6,7-Dihydroxycoumarin and its Derivatives: A Concise Review. *Iraqi Journal of Pharmacy*2023; 20(Supp-01): 174-188. <https://doi.org/10.33899/iphr.2023.143017.1059>

***C- Supervised dissertations***

1. Phytochemical Screening, Chemical Modification and Cytotoxic Study of Coumarins Isolated from Creston Apple Seeds, 2018. <http://dx.doi.org/10.13140/RG.2.2.29532.95362>

2. Thesis of Curcumin Analogues: Synthesis and Biological Activities, 2020. <http://dx.doi.org/10.13140/RG.2.2.31510.78407>

3. Antioxidant and Antitumor Activities of Coumarins isolated from Granny Smith Apple Seeds: In Vitro Study, 2020. <http://dx.doi.org/10.13140/RG.2.2.26071.29603>

4. Isolation, derivatization and evaluation of coumarins from Red Delicious apple seeds as antimicrobial agents, 2020. <http://dx.doi.org/10.13140/RG.2.2.23240.14082>

5. Synthesis, characterization and biological study of some new ester derivatives of coumarin, 2021. <http://dx.doi.org/10.13140/RG.2.2.24609.12642>

6. New 4-substituted benzocoumarins as potential bioactive agents, 2022. <http://dx.doi.org/10.13140/RG.2.2.11349.70885>

7. Synthesis and Bioactivity of New 4- Functionalized Benzocoumarins, 2022. <http://dx.doi.org/10.13140/RG.2.2.36779.11048>

8. Coumarins from Sweet Princess Watermelon Seeds: A Promising Scaffold for New Anticancer Drugs, 2022. <http://dx.doi.org/10.13140/RG.2.2.23357.33767>

9. Coumarins from Watermelon "Allsweet" Seeds: Natural Antimicrobial Agents, 2022. <http://dx.doi.org/10.13140/RG.2.2.10092.85128>

10. Synthesis and biological evaluation of novel benzodipyrone based derivatives, 2023.

11. Diagnosis of Aspergillus flavus and the Effect of Using Coumarin Compounds and Lactobacillus plantarum on the Growth of the Fungus and the Reduction of Aflatoxin B1 Produced in Corn, 2023. <http://dx.doi.org/10.13140/RG.2.2.29013.50402>

**Scientific Journal participation**

1. Chief-in-Editor of Iraqi Journal of Pharmacy. <https://iphr.mosuljournals.com/journal/editorial.board>
2. Editorial board member of Mosul Journal of Nursing. <https://mjn.mosuljournals.com/journal/editorial.board>
3. Editorial board member of International Journal of Pharmacy and Chemistry. <https://www.sciencepublishinggroup.com/journal/editorialboard?journalid=330>
4. Editorial board member of Journal of Medicinal and Chemical Sciences (Scopus, Q3). <http://www.jmchemsci.com/journal/editorial.board>
5. Editorial board member of Eurasian Chemical Communication (Scopus, Q2). <http://www.echemcom.com/journal/editorial.board>
6. Editorial board member of Advanced Journal of Chemistry, Section B: Natural Products and Medical Chemistry. <http://www.ajchem-b.com/journal/editorial.board>

**Scientific electronic sites of research**

**1- Scopus:**

Author ID: 57203725947, Documents: 345, Citation: 4303, H-index: 42

<https://www.scopus.com/authid/detail.uri?authorId=57203725947>

**2- Clarivate:**

Web of Science Researcher ID: D-1589-2019, Yasser Mustafa, Documents: 255, Citation: 1814, H-index: 22

<https://publons.com/researcher/1696554/yasser-mustafa/>

**3- Researchgate:**

Yasser Fakri Mustafa, Documents: 431, RG score: 5,415, H-index: 38

<https://www.researchgate.net/profile/Yasser_Mustafa3>

**4- Google Scholar:**

Yasser Fakri Mustafa, Documents: 403, Citation: 5999, H-index: 48, i10-index: 146

<https://scholar.google.com/citations?user=mFg4hnMAAAAJ>

**6- Pubmed:**

Article number: 119. <https://pubmed.ncbi.nlm.nih.gov/?term=Yasser+Fakri+Mustafa&sort=date&size=50>