



# Mazin Abdulgani Najim

مازن عبد الغني نجم حمادي الدين

Lecturer

## PROFILE

A vice-dean for scientific affairs and lecturer specializing in pharmaceutical chemistry at Al-Ayen University in Iraq, bringing extensive expertise in drug design, synthesis, and pharmacological profiling. An active researcher in the field of pharmaceutical chemistry and pharmaceutical sciences, with a notable publication record, including 19 articles in 2023, all featured in esteemed journals indexed in Scopus and Web of Science. Deeply passionate about imparting knowledge and mentorship to the future generation of pharmacists, demonstrating a strong commitment to advancing pharmaceutical education and conducting research that contributes to the advancement of therapeutic interventions for patients.

## ACADEMIC TITLES

2018-07-23	Assistant Professor
2021-10-02	Lecturer

## ADMINISTRATIVE POSITIONS

2020-02-26 - Present	Vice-Dean for scientific affairs
2018-01-08 - 2020-02-26	Vice-Dean for Administrative Affairs
2019-11-14 - 2022-08-28	Secretary of the University Council

## PUBLICATIONS ( 1 0 6 )

- A structural blueprint for antibacterial discovery: microwave-and ultrasound-assisted synthesis of pyrrolidine-fused quinoxalines as novel inhibitors of DNA gyrase and biofilm**  
*RSC Advances* 16 (16), 14638, 2026 | 2026
- A structural blueprint for antibacterial discovery: microwave-and ultrasound-assisted synthesis of pyrrolidine-fused quinoxalines as novel inhibitors of DNA gyrase and biofilm**  
*RSC advances* 16 (16), 14638-14659, 2026 | 2026
- Targeting Cyclin-Dependent Kinases (CDKs) for Cancer Therapy: An In-Depth Review of Molecular Candidates, Their Synthesis, Evaluation, and Future Directions**  
*Farm Pol* 81 (8), 489-499, 2025 | 2025
- Association of IL-1 $\beta$  rs16944 polymorphisms and the subsequent level of IL-1 $\beta$  in type 2 diabetes mellitus: Case-control study**  
*Medicine* 104 (43), e45029, 2025 | 2025 | Cited: 1
- Synthesis and CDK2 inhibition profiling of novel pyrazolyl-thiourea derivatives as potential anti-inflammatory agents**  
*Anaesthesia, Pain & Intensive Care* 29 (6), 594-599, 2025 | 2025
- Unlocking Therapeutic Potential of Novel Thieno-Oxazepine Hybrids as Multi-Target Inhibitors of AChE/BChE and Evaluation Against Alzheimer's Disease: In Vivo, In Vitro&nbsp;...**  
*Pharmaceuticals* 18 (8), 1214, 2025 | 2025 | Cited: 5
- Synthesis, Characterization and Evaluation of Thiourea Derivatives for Cytotoxicity of Breast Cancer**  
*Indonesian Journal on Health Science and Medicine* 2 (2), 10.21070/ijhsm&nbsp;..., 2025 | 2025

## CONTACT

Phone: 07807702030  
Email: dr.mazin@alayen.edu.iq  
dr.mazin@alayen.edu.iq

## EDUCATION

(01-07-2004) بكوريوس  
Pharmacy  
Basra University

(10-08-2017) ماجستير  
Pharmaceutical Chemistry  
Ain-Shams University

(19-12-2022) دكتوراه  
Pharmaceutical Chemistry  
Cairo University

## RESEARCH METRICS

h-index (Scopus)	17
h-index (GS)	18
Citations (Scopus)	742
Citations (GS)	893
Documents (Scopus)	65
Documents (GS)	74

## RESEARCH INTERESTS

• Drug design, synthesis of new drug



8. **A computational effort to untangling anti-SARS-CoV-2 effects of oleanolic acid analogues.**  
*Pakistan Journal of Pharmaceutical Sciences* 38 (3), 2025 | 2025
9. **Synthesis, characterization, and computational evaluation of some synthesized xanthone derivatives: focus on kinase target network and biomedical properties (vol 15, 1511627, 2025)**  
*FRONTIERS IN PHARMACOLOGY* 16, 2025 | 2025
10. **Corrigendum: Synthesis, characterization, and computational evaluation of some synthesized xanthone derivatives: focus on kinase target network and biomedical properties**  
*Frontiers in Pharmacology* 16, 1583894, 2025 | 2025
11. **Design, synthesis, biological evaluation and in silico study of some benzoylthioureido based hydroxamic acid derivatives and their analogues**  
*Results in Chemistry* 14, 102157, 2025 | 2025
12. **Journal of Agriculture and Food Research**  
*Journal of Agriculture and Food Research* 19, 101661, 2025 | 2025
13. **Nanotechnology-based herbal medicine: Preparation, synthesis, and applications in food and medicine**  
*Journal of Agriculture and Food Research* 19, 101661, 2025 | 2025 | Cited: 85
14. **Synthesis, characterization, and computational evaluation of some synthesized xanthone derivatives: focus on kinase target network and biomedical properties**  
*Frontiers in Pharmacology* 15, 1511627, 2025 | 2025 | Cited: 1
15. **Nanotechnology-based herbal medicine: Preparation, synthesis, and applications in food and medicine**  
*Journal of Agriculture and Food Research*, 101661, 2025 | 2025 | Cited: 60
16. **A systematic review and meta-analysis on death anxiety during COVID-19 pandemic**  
*OMEGA-Journal of Death and Dying* 91 (3), 1079-1097, 2025 | 2025 | Cited: 28
17. **Titanium dioxide nanoparticles augment Ciprofloxacin activity via Inhibition of biofilm formation for multidrug resistance bacteria in-vitro and insilco prediction study**  
*Scientific Reports* 15 (1), 18014, 2025 | 2025 | Cited: 8
18. **Modulating Multiple Molecular Trajectories by Nutraceuticals and/or Physical Activity in Attention-Deficit/Hyperactivity Disorder (ADHD)-Like Behaviors in Rat Pups**  
*Journal of Neuroimmune Pharmacology* 20 (1), 27, 2025 | 2025 | Cited: 3
19. **Drug repurposing of pyrazolotriazine derivatives as potential anti-SARS-CoV-2 agents: in vitro and in silico studies**  
*BMC chemistry* 18 (1), 132, 2024 | 2024 | Cited: 4
20. **Neuroprotective effects of resveratrol on retinal ganglion cells in glaucoma in rodents: A narrative review**  
*Animal Models and Experimental Medicine* 7 (3), 195-207, 2024 | 2024 | Cited: 11
21. **Extraction, purification, and investigation of the antibacterial potential of lysozyme isolated from the latex of *Calotropis procera***  
*European Food Research and Technology* 250 (5), 1401-1416, 2024 | 2024 | Cited: 9
22. **Imperatorin from the aerial parts of *Cleome viscosa* L.: a characterization study and evaluation of the antibacterial activity**  
*Natural Product Research* 38 (5), 848-855, 2024 | 2024 | Cited: 7
23. **Nutrient patterns and risk of diabetes mellitus type 2: a case-control study**  
*BMC Endocrine Disorders* 24 (1), 10, 2024 | 2024 | Cited: 4
24. **Neuroprotective effects of riluzole in Alzheimer's disease: A comprehensive review**  
*Fundamental & Clinical Pharmacology* 38 (2), 225-237, 2024 | 2024 | Cited: 26
25. **Neuroprotective effects of resveratrol on retinal ganglion cells in glaucoma: Focusing on oxidative stress, cellular, and molecular mechanisms**  
*Authorea Preprints*, 2024 | 2024
26. **Evaluation of the hematological and immunological markers after the first and second doses of BNT162b2 mRNA vaccine**  
*European Review for Medical and Pharmacological Sciences* 28 (6), 2605-2614, 2024 | 2024

27. **Extraction, purification, and investigation of the antibacterial potential of lysozyme isolated from the latex of *Calotropis procera***  
*European Food Research and Technology*, 1-16, 2024 | 2024
28. **Insights into the pharmaceutical properties and in silico study of novel hydrazone derivatives**  
*Scientific Reports* 14 (1), 1-18, 2024 | 2024 | Cited: 17
29. **Potential pharmaceutical applications and molecular docking study for green fabricated ZnO nanoparticles mediated *Raphanus sativus*: In vitro and in vivo study**  
*Nanotechnology Reviews* 13 (1), 20240113, 2024 | 2024 | Cited: 24
30. **Au@ hydroxyapatite nanocomposite as a novel apoptosis Inducer and NF-KB translocation Inhibitor in prostate cancer cell line**  
*Inorganic Chemistry Communications* 170, 113469, 2024 | 2024 | Cited: 6
31. **Neuroprotective effects of punicalagin and/or micronized zeolite clinoptilolite on manganese-induced Parkinson's disease in a rat model: Involvement of multiple pathways**  
*CNS Neuroscience & Therapeutics* 30 (10), e70008, 2024 | 2024 | Cited: 6
32. **Neuroprotective effects of riluzole in Alzheimer's disease: A comprehensive review**  
*Fundamental & clinical pharmacology* 38 (2), 225-237, 2024 | 2024 | Cited: 28
33. **Insights into the pharmaceutical properties and in silico study of novel hydrazone derivatives**  
*Scientific Reports* 14 (1), 29912, 2024 | 2024 | Cited: 24
34. **Advancements in radiobiology techniques and applications for personalized radiation therapy in nuclear medicine**  
*Journal of Radioanalytical and Nuclear Chemistry* 333 (12), 6121-6132, 2024 | 2024 | Cited: 4
35. **Evaluation of the hematological and immunological markers after the first and second doses of BNT162b2 mRNA vaccine.**  
*European Review for Medical & Pharmacological Sciences* 28 (6), 2024 | 2024 | Cited: 3
36. **Drug repurposing of pyrazolotriazine derivatives as potential anti-SARS-CoV-2 agents: in vitro and in silico studies**  
2024
37. **Investigating the Use of Rehabilitation Based on Play Therapy to Increase the Attention of Medical Students**  
*Iranian Rehabilitation Journal* 21 (2), 365-374, 2023 | 2023
38. **Analytical Chemistry Technique to" Preparation, Characterization & Antibacterial Evaluation of Silver Nanoparticles from extract Medicinal Plant**  
*Journal of Survey in Fisheries Sciences* 10 (35), 1578-1587, 2023 | 2023
39. **Examining the Perception, Usage Rate and Barriers of Health Care Providers Regarding Electronic Mental Health Interventions for People with Major Depressive Disorder: A Case&nbsp;...**  
*Journal of Health Administration* 26 (1), 110-125, 2023 | 2023
40. **Investigating the Use of Rehabilitation Based on Play Therapy to Increase the Attention of Medical Students**  
*Iranian Rehabilitation Journal* 21 (2), 365-374, 2023 | 2023
41. **A comprehensive insight into the role of small nucleolar RNAs (snoRNAs) and SNHG in human cancers**  
*Pathology-Research and Practice* 249, 154679, 2023 | 2023 | Cited: 13
42. **Combined oncolytic virotherapy gold nanoparticles as synergistic immunotherapy agent in breast cancer control**  
*Scientific reports* 13 (1), 16843, 2023 | 2023 | Cited: 12
43. **Au/ZnO nanocomposites prepared by laser ablation for enhancement of antibacterial activity and cytotoxic properties against cancer cells. *Metals* 2023 (13): 735**  
2023 | Cited: 2
44. **Common variants in toll-like receptor family genes and risk of gastric cancer: a systematic review and meta-analysis**  
*Frontiers in Genetics* 14, 1280051, 2023 | 2023 | Cited: 10

45. **Examining the Perception, Usage Rate and Barriers of Health Care Providers Regarding Electronic Mental Health Interventions for People with Major Depressive Disorder: A Case&nbsp;...**  
*Journal of Health Administration 26 (100680), 110-125, 2023 | 2023*
46. **GC-MS, alpha-amylase, and alpha-glucosidase inhibition and molecular docking analysis of selected phytoconstituents of small wild date palm fruit (Phoenix pusilla)**  
*Food Science & Nutrition 11 (9), 5304-5317, 2023 | 2023 | Cited: 7*
47. **Functionalized SWCNTs@Ag-TiO<sub>2</sub> nanocomposites induce ROS-mediated apoptosis and autophagy in liver cancer cells**  
*Nanotechnology Reviews 12 (1), 20230127, 2023 | 2023 | Cited: 34*
48. **Induction of apoptosis and autophagy via regulation of AKT and JNK mitogen-activated protein kinase pathways in breast cancer cell lines exposed to gold&nbsp;...**  
*Nanotechnology Reviews 12 (1), 20230148, 2023 | 2023 | Cited: 16*
49. **Exploring the phenolic profile, antibacterial, and antioxidant properties of walnut leaves (Juglans regia L.)**  
*Food Science & Nutrition 11 (11), 6845-6853, 2023 | 2023 | Cited: 2*
50. **Molecular pathways in the development of HPV-induced oropharyngeal cancer**  
*Cell Communication and Signaling 21 (1), 351, 2023 | 2023 | Cited: 19*
51. **Common variants in toll-like receptor family genes and risk of gastric cancer: a systematic review and meta-analysis**  
*Frontiers in Genetics 14, 2023 | 2023*
52. **Exploring the phenolic profile, antibacterial, and antioxidant properties of walnut leaves (Juglans regia L.)**  
*Food Science & Nutrition 11 (11), 6845-6853, 2023 | 2023 | Cited: 28*
53. **Metal doped nanocages (Sc-C82 and Sc-Si82) as effective catalysts for ozone (O<sub>3</sub>) decomposition**  
*Inorganic Chemistry Communications 156, 111240, 2023 | 2023 | Cited: 5*
54. **Exploring the phenolic profile, antibacterial, and antioxidant properties of walnut leaves (Juglans regia L.)**  
*Food science & nutrition 11 (11), 6845-6853, 2023 | 2023 | Cited: 28*
55. **The protective effects of quercetin on the physiological responses in malathion-exposed common carp, Cyprinus carpio**  
*Tropical Animal Health and Production 55 (1), 22, 2023 | 2023 | Cited: 18*
56. **Au/ZnO Nanocomposites Prepared by Laser Ablation for Enhancement of Antibacterial Activity and Cytotoxic Properties against Cancer Cells**  
*Metals 13 (4), 735, 2023 | 2023 | Cited: 58*
57. **Combined oncolytic virotherapy gold nanoparticles as synergistic immunotherapy agent in breast cancer control**  
*Scientific Reports 13 (1), 16843, 2023 | 2023 | Cited: 8*
58. **Shining the light on mesenchymal stem cell-derived exosomes in breast cancer**  
*Stem Cell Research & Therapy 14 (1), 21, 2023 | 2023 | Cited: 21*
59. **Exploring the phenolic profile, antibacterial, and antioxidant properties of walnut leaves (Juglans regia L.)**  
*Food Science & Nutrition, 2023 | 2023 | Cited: 2*
60. **A systematic review and Meta-analysis on death anxiety during COVID-19 pandemic**  
*OMEGA-Journal of Death and Dying, 00302228221144791, 2023 | 2023 | Cited: 6*
61. **GC-MS, alpha-amylase, and alpha-glucosidase inhibition and molecular docking analysis of selected phytoconstituents of small wild date palm fruit (Phoenix pusilla)**  
*Food Science & Nutrition, 2023 | 2023 | Cited: 2*
62. **Decoration of MoO<sub>3</sub>-x on clay mineral matrix with great phosphorescence properties for oxygen activation, photochemical properties, bactericidal and oxidase-like mimics for&nbsp;...**  
*Materials Science in Semiconductor Processing 168, 107847, 2023 | 2023 | Cited: 43*
63. **Metal doped nanocages (Sc-C82 and Sc-Si82) as effective catalysts for ozone (O<sub>3</sub>) decomposition**  
*Inorganic Chemistry Communications 156, 111240, 2023 | 2023 | Cited: 1*

64. **Neuroprotective effects of riluzole in Alzheimer's disease: A comprehensive review**  
*Fundamental & Clinical Pharmacology*, 2023 | 2023
65. **Bioactive compounds of Citrullus colocynthis aerial parts: characterization and biological properties**  
*Plant Biosystems-An International Journal Dealing with all Aspects of Plant&nbsp;...*, 2023 | 2023 | Cited: 8
66. **Novel ZnCo<sub>2</sub>O<sub>4</sub>/WO<sub>3</sub> nanocomposite as the counter electrode for dye-sensitized solar cells (DSSCs): study of electrocatalytic activity and charge transfer properties**  
*Optical Materials* 143, 114248, 2023 | 2023 | Cited: 36
67. **O<sub>3</sub> decomposition to O<sub>2</sub> on surfaces of Silicon nanocage and Carbon nanocage as effective catalysts**  
2023
68. **A comprehensive insight into the role of small nucleolar RNAs (snoRNAs) and SNHG in human cancers**  
*Pathology-Research and Practice*, 154679, 2023 | 2023 | Cited: 3
69. **Examining the Perception, Usage Rate and Barriers of Health Care Providers Regarding Electronic Mental Health Interventions for People with Major Depressive Disorder: A Case&nbsp;...**  
*Journal of Health Administration* 26 (1), 110-125, 2023 | 2023
70. **Imperatorin from the aerial parts of Cleome viscosa L.: a characterization study and evaluation of the antibacterial activity**  
*Natural Product Research*, 1-8, 2023 | 2023
71. **Analytical Chemistry Technique to "Preparation, Characterization & Antibacterial Evaluation of Silver Nanoparticles from extract Medicinal Plant"**  
*Journal of Survey in Fisheries Sciences* 10 (35), 1578-1587, 2023 | 2023
72. **Evaluation of Anxiety of Medical Personnel during the Coronavirus Outbreak in Tasikmalaya, Indonesia.**  
*International Journal of Body, Mind & Culture (2345-5802)* 10 (1), 2023 | 2023
73. **Evaluate the Development of Medical Tourism by Cognitive Mapping Technique**  
*Health Education and Health Promotion* 10 (1), 207-212, 2022 | 2022
74. **Materials Today: Proceedings**  
2022 | Cited: 12
75. **Overview of risk factors in the use of antihypertensive biomaterials drugs in medical prescriptions**  
*Materials Today: Proceedings* 60, 1561-1564, 2022 | 2022
76. **Pathogenic role of 25-hydroxycholesterol in cancer development and progression**  
*Future Oncology* 18 (39), 4415-4442, 2022 | 2022 | Cited: 16
77. **The Effects of Dietary Gracilaria Corticata (Marine Macroalgae, Rhodophyta) Extraction on Growth Performance, Antioxidant Defence, Plasma and Mucosal Immune Components and&nbsp;...**  
*Carassius Auratus*, 2022 | 2022 | Cited: 1
78. **Spectrophotometric determination of folic acid using 1, 10-phenanthroline materials with ninhydrin reagent**  
*Materials Today: Proceedings* 61, 865-872, 2022 | 2022 | Cited: 6
79. **Preparation of antibacterial Gel/PCL nanofibers reinforced by dicalcium phosphate-modified graphene oxide with control release of clindamycin for possible application in bone&nbsp;...**  
*Inorganic Chemistry Communications* 139, 109336, 2022 | 2022 | Cited: 54
80. **The deciphering of the immune cells and marker signature in COVID-19 pathogenesis: An update**  
*Journal of Medical Virology* 94 (11), 5128-5148, 2022 | 2022 | Cited: 28
81. **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&nbsp;...**  
*Phytotherapy Research* 36 (10), 3766-3773, 2022 | 2022 | Cited: 34
82. **Design and synthesis of some new benzoylthioureido phenyl derivatives targeting carbonic anhydrase enzymes**  
*Journal of Enzyme Inhibition and Medicinal Chemistry* 37 (1), 2702-2709, 2022 | 2022 | Cited: 12

83. **In-vitro evaluation of anticancer activity of natural flavonoids, apigenin and hesperidin**  
*Materials Today: Proceedings* 60, 1840-1843, 2022 | 2022 | Cited: 16
84. **Lactobacillus casei (IBRC-M 10,711) ameliorates the growth retardation, oxidative stress, and immunosuppression induced by malathion toxicity in goldfish (Carassius auratus)**  
*Annals of Animal Science* 22 (4), 1311-1322, 2022 | 2022 | Cited: 1
85. **Evaluate the development of medical tourism by cognitive mapping technique**  
*Health Education and Health Promotion* 5 (2), 207-212, 2022 | 2022 | Cited: 1
86. **(IBRC-M 10,711) ameliorates the growth retardation, oxidative stress, and Immunosuppression induced by malathion toxicity in goldfish ( )**  
*Annals of Animal Science* 22 (4), 1311-1322, 2022 | 2022
87. **Materials Today: Proceedings**  
2021 | Cited: 2
88. **A study of the impact of morin extract on obesity diseases compared with some chemical drugs used in male rats with induced obesity**  
*Annals of the Romanian Society for Cell Biology* 25 (2), 2198-2207, 2021 | 2021 | Cited: 1
89. **Immunological aspects of Alpha 1 Antitrypsin in COVID-19 infection among the Populace and Pregnant Women**  
*Al-Kindy College Medical Journal (KCMJ)* 17 (1), 8-13, 2021 | 2021 | Cited: 5
90. **Reliability, Speed And Simplicity Of Nicorandil Determination By High-Performance Liquid Chromatography Reverse-Phase Technique**  
*NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal|NVEO*, 5303-5316, 2021 | 2021 | Cited: 1
91. **A Study of the Impact of Morin Extract on Obesity Diseases Compared with Some Chemical Drugs used in Male Rats with Induced Obesity**  
*Annals of the Romanian Society for Cell Biology*, 2198-2207, 2021 | 2021
92. **Materials today: proceedings**  
2021 | Cited: 21
93.  **$\beta$ -sitosterol augment antihyperlipidemic effect in hyperlipidemic rats induced by Triton**  
*Yonago Acta Medica*, 2020 | 2020 | Cited: 1
94. **Role of Flavonoid Rich Fraction of Butea monosperma Linn. In Memory Enhancing Activity.**  
*International Journal of Pharmaceutical Research (09752366)* 12 (4), 2020 | 2020 | Cited: 1
95. **An Insight into Pyrazolo scaffold as anticancer.**  
*Systematic Reviews in Pharmacy* 11 (11), 254-263, 2020 | 2020 | Cited: 7
96. **THE RECENT PROGRESS OF SULFONAMIDE IN MEDICINAL CHEMISTRY.**  
*Systematic Reviews in Pharmacy* 11 (12), 2020 | 2020 | Cited: 21
97. **THE RECENT PROGRESS OF SULFONAMIDE IN MEDICINAL CHEMISTRY.**  
*Systematic Reviews In Pharmacy* 11 (12), 2020 | 2020 | Cited: 26
98. **To study the effect of taurine on the effects of vital bones and regulate the level of glucose in type II diabetes**  
*Int. J. Res. Pharm. Sci* 10 (3), 2545-2551, 2019 | 2019 | Cited: 16
99. **Design, synthesis and molecular docking of novel pyrazolo [1, 5-a][1, 3, 5] triazine derivatives as CDK2 inhibitors**  
*Bioorganic chemistry* 92, 103239, 2019 | 2019 | Cited: 48
100. **Design, synthesis and molecular docking of novel pyrazolo [1, 5-a][1, 3, 5] triazine derivatives as CDK2 inhibitors**  
*Bioorganic Chemistry* 92, 103239, 2019 | 2019 | Cited: 28
101. **Cyclin-dependent kinase inhibitors as targeted therapy in breast cancer.**  
*Biochemical & Cellular Archives* 19 (1), 2019 | 2019 | Cited: 3
102. **Pyrazolo [1, 5-a][1, 3, 5] triazine based scaffold as purine analogues with diverse biological activity**  
*Journal of American Science* 13 (3), 2017 | 2017
103. **CONCENTRATIONS OF SERUM CREATININE IN BLOOD OF PATIENTS VISITING TAMIMI, AL BAIDA AND ALABYAR HOSPITALS**  
*ALMANARA SCIENTIFIC JOURNAL Учредители: University of Benghazi*, 0 | 0

104. ACCEPTED AUTHOR VERSION OF THE MANUSCRIPT

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105. **Reliability, Speed And Simplicity Of Nicorandil Determination By High-Performance Liquid Chromatography Reverse-Phase Technique**

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106. **(IBRC-M 10,711) ameliorates the growth retardation, oxidative stress, and Immunosuppression induced by malathion toxicity in goldfish ()**

*Annals of Animal Science 22 (4), 1311-1322, 0*