

## **Monther Faisal Mahdi**



**Name:** Monther Faisal Mahdi **Date of Birth:**  
28<sup>th</sup> Aug, 1971

**Religion:** muslim

**Martial statues:** married

**No. of children:** four

**Specialization:** Pharmaceutical Chemistry

**Position:** Dean of Pharmacy College – Mustansiriyah University

**Scientific Degree:** Professor

**Work Address:** Pharmacy College – Mustansiriyah University

**Mobile:** 07705514340

**E-mail:** [dr.monther.f71@gmail.com](mailto:dr.monther.f71@gmail.com)

[dr.monther.f71@uomustansiriyah.edu.iq](mailto:dr.monther.f71@uomustansiriyah.edu.iq)

- Professor in Pharmaceutical Chemistry since 5-5-2015
- Consultant of Pharmaceutical Chemistry at the Ministry of Health since 12-2017
- Vice-Council of improving the quality of pharmacy colleges in Iraq 2017-2023.
- Member of the Ministerial Medical Committee to evaluate certificates from abroad since 2020.
- Member of the Ministerial Committee for the approval, follow-up and evaluation of research projects within the research project of medicines and pesticides 2016-2020
- Member of the Ministerial Committee for the approval, follow-up and research project of medicinal plants and herbal medicines 2016-2020.
- faculty member since 2000

**Academic Degrees:**

- 1 - PHD # 1: - Iraq - University of Baghdad - College of Pharmacy - 2006
2. Master # 2: - Iraq - University of Baghdad - College of Pharmacy - 2000
3. Bachelor # 3: - Iraq - University of Baghdad - College of Pharmacy – 1994

### **Academic Honors and Awards**

- More than (25) distinction
- Got patents for both 2017, 2018, 2022 and 2023 .

### **Academic experience and teaching**

- Member of the American Chemical Society.
- Member of the executive board of the Scientific Association of Faculties of Pharmacy in the Arab World.
- Deputy Iraqi Alternative Medicine Foundation.
- Member of the Nahrain Association of Iraqi scientists.
- Member of the forum of Iraqi inventors.
- Chairman of Editorial Board of Mustansiriyah Journal of

Pharmaceutical Sciences 2012/10 - 2018/1 and 2020 to yet.

- Member of the Editorial Board of Al Mustansiriyah Journal of Pharmaceutical Sciences 2/2018 -12/2019
- Member of the editorial board of the Iraqi Journal of

Pharmaceutical Sciences since 2016

- Member of the committee of deans of the faculties of pharmacy.
- Member of the Pharmacists Syndicate.

### **Previous Administrative and Scientific Positions:**

1. Dean of the College of Pharmacy / Mustansiriyah 2018/1/4 - 2012 / 9/26
2. Head of pharmaceutical chemistry branch: 26/9/2012
3. Assistant Dean for Administrative Affairs: 10-2010 \_ 1-9-2008
4. Representative of the Ministry of Higher Education to supervise the College of Baghdad for national pharmacists 2013-2016
5. Member of the analytical committee for the project of infrastructure for the development of scientific capabilities of medical group colleges 2013
6. Signing a memorandum of understanding with the University of Luleo, Sweden, 20/4/2013
7. Signing a memorandum of understanding with the British

University in Bangkok, 5/3/2014

8. Member of the Committee to study the plan of cooperation with the University of Lulea in the Kingdom of Sweden 2013-2014
9. Member of the Council of Quality Assurance at Mustansiriyah University 2014-2018
10. Head of Continuing Education Unit for 2007 and 2008.
11. Chairman of the Examinations Committee for 2007-2008

### Scientific Activities:

- Supervisor of postgraduate studies:
  - PH.D. Students: 24
  - M.Sc. Students: 53
  - H.D. Students: 1
- **Published articles:**  
Abroad: 77, In Iraq: 30

### Awards and Certificates of Appreciation:

Prime Minister, Minister, president of the University, Dean = more than 120

### Research Projects:

| No. | Research Title                                                                                                                               | Place of Publication                                                        | Year |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------|
|     | <i>Identification of 2-(piperazine-1-yl)-Hbenzo[d] imidazole derivatives as a potent EGFR</i>                                                | <i>Turkish Comp Theo Chem (TC&amp;TC)<br/>Volume (Issue): 10(2) – Year:</i> | 2026 |
|     | <i>Advances in Tracking Anticancer Drugs to Their Targeted Site: A Review</i>                                                                | <i>Al-Mustansiriyah Journal for Pharmaceutical Sciences</i>                 | 2026 |
|     | <i>In-silico molecular docking, ADME study of new azetidin-2-one derivatives having imidazole moiety targeting cyclooxygenase-2 Enzyme</i>   | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences</i>                  | 2026 |
|     | <i>In-silico Prediction of Binding Affinities and Pharmacokinetic Parameters of Indoline-2-one Derivatives as Anticancer HDAC Inhibitors</i> | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences</i>                  | 2026 |
|     | <i>Design, Synthesis, and In-silico Evaluation of Benzyl oxybenzoate Derivatives as Dual HDAC Inhibitors for Cancer and CNS Disorders</i>    | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences</i>                  | 2026 |

|  |                                                                                                                                                                                                    |                                                                                                  |      |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------|
|  | <i>Quinazolinone–hydroxamate derivatives as potential HDAC8 inhibitors: An integrated docking, ADME, DFT, and molecular dynamics study</i>                                                         | <i>Pharmacia 73: e201285</i>                                                                     | 2026 |
|  | <i>Computational Design of Isatin–Sulfonamide Hybrids as Selective Carbonic Anhydrase XII Inhibitors with Anticancer Potential</i>                                                                 | <b>Palestinian Medical and Pharmaceutical Journal</b>                                            | 2026 |
|  | <i>In Silico Design, Molecular Docking, Molecular Dynamics Simulations, and Pharmacokinetics Insights of Novel 1,3,4-Oxadiazole and 1,3,4-Thiadiazole Derivatives as Potential EGFR Inhibitors</i> | <i>Turkish Comp Theo Chem (TC&amp;TC)<br/>Volume(Issue): 10(1) – Year: 2026 – Pages: 110-130</i> | 2026 |
|  | <i>The isolation and multi-technique validation of kaempferol from Alcea rosea L. cultivated in Iraq</i>                                                                                           | <i>PLANT SCIENCE TODAY Vol 13(3): 1–11</i>                                                       | 2026 |
|  | <i>S-alkylated Quinazolin-4(3H)-one compounds as potential HDAC7 inhibitors: Synthesis, molecular docking, and cytotoxicity against A549 cell lines</i>                                            | <b>Results in Chemistry</b>                                                                      | 2026 |
|  | <i>Synthesis, characterization, and in silico studies of new benzohydrazide derivatives targeting EGFR kinase</i>                                                                                  | <i>Pharmacia 73: e186971 DOI 10.3897/pharmacia.73.e186971</i>                                    | 2026 |
|  | <i>Design and synthesis of thiazolidin-4-one-ketoprofen hybrids as potential COX-2 inhibitors with anti-inflammatory activity</i>                                                                  | <i>Pharmacia 73: e194751 DOI 10.3897/pharmacia.73.e194751</i>                                    | 2026 |
|  | <b>INTEGRATED COMPUTATIONAL DESIGN OF INDOLE-PABA HYBRIDS AS DUAL-TARGET INHIBITORS OF CARBONIC ANHYDRASE IX/XII AND DIHYDROFOLATE REDUCTASE</b>                                                   | <b>International Journal of Ecosystems and Ecology Science (IJEES)</b>                           | 2026 |
|  | <i>Molecular Docking, Synthesis, Characterization and Preliminary Evaluation of some New 3Ethyl-1H-Indole Derivatives as Potential COX-2 Inhibitors</i>                                            | <i>Advanced Journal of Chemistry, Section A, 2025, 8(5), 948-960</i>                             | 2025 |
|  | <i>Design, Molecular Docking, Molecular Dynamic Simulations, MM-GBSA Study, and Pharmacokinetics Prediction of New Imidazolidinone Derivatives as Selective COX-2 Inhibitors</i>                   | <i>Palestinian Medical and Pharmaceutical Journal PMPJ. Vol. 10 (2), 2025</i>                    | 2025 |
|  | <i>Design, Molecular Docking, Synthesis, Characterization and Preliminary Evaluation of Novel 1,3,4-Oxadiazole Derivatives as Cyclin-</i>                                                          | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2025, Vol. 25, No.1</i>                  | 2025 |
|  | <i>Unraveling the role of hyaluronic acid on the targeting of vinorelbine-loaded NLC for lung cancer</i>                                                                                           | <i>Pharmacia 72: 1–13 DOI 10.3897/pharmacia.72.e143192</i>                                       | 2025 |

|  |                                                                                                                                                                                                           |                                                                                                    |      |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------|
|  | <b><i>A Novel Series of Pyrazole and Thiadiazole Derivatives Bearing Nabumetone Moiety: Design, Molecular Docking Study, Synthesis, Characterization, and Preliminary Pharmacological Evaluation.</i></b> | <b><i>Iraqi J Pharm Sci, Vol.34(1) 2025</i></b>                                                    | 2025 |
|  | <b><i>Identification of Indole Derivatives as Selective Cyclooxygenase-2 Inhibitors by Virtual Screening and Molecular Dynamic Simulation</i></b>                                                         | <b><i>Turkish Comp Theo Chem (TC&amp;TC) Volume (Issue): 9(2) – Year: 2025 – Pages: 19-32</i></b>  | 2025 |
|  | <b><i>Design, Molecular Docking, Synthesis and Antiproliferative Evaluation of New 5-Aminoisatin Derivatives</i></b>                                                                                      | <b><i>Iraqi J Pharm Sci, Vol.34(3) 2025</i></b>                                                    | 2025 |
|  | <b><i>Beyond Binary: A Machine Learning Framework for Interpreting Organismal Behavior in Cancer Diagnostics</i></b>                                                                                      | <b><i>Biomedicines 2025, 13, 2409</i></b>                                                          | 2025 |
|  | <b><i>Molecular docking, synthesis and preliminary pharmacological evaluation of new (2-methyl benzimidazole-1-yl )-N- derivatives having imidazolidinone moiety</i></b>                                  | <b><i>Chem Rev Lett 8 (2025) 11321145</i></b>                                                      | 2025 |
|  | <b><i>In silico Molecular Docking, Molecular Dynamic Simulation and ADME Study of New (2-Methyl Benzimidazole-1-yl)-N- Derivatives with Potential Anti-proliferative Activity</i></b>                     | <b><i>Turkish Comp Theo Chem (TC&amp;TC) Volume(Issue): 9(1) – Year: 2025 – Pages: 115-128</i></b> | 2025 |

|  |                                                                                                                                                                               |                                                                                                  |      |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------|
|  | <b><i>In Silico Molecular Docking, Molecular Dynamics Simulation, and Pharmacokinetic prediction of Novel N-(2-(4-oxo-2-phenyl quinazoline-3(4H)-yl) Derivatives with</i></b> | <b><i>Turkish Comp Theo Chem (TC&amp;TC) Volume(Issue): 9(4) – Year: 2025 – Pages: 64-77</i></b> | 2025 |
|  | <b><i>Synthesis, Molecular Docking, Characterization, and Preliminary Evaluation of Some New 1, 3-Diazetid-2-One Derivatives as Anticancer Agents</i></b>                     | <b><i>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2024, Vol. 24, No.1</i></b>           | 2024 |
|  | <b><i>Molecular modelling, Synthesis and Antiproliferative Evaluation of New Phenyldiazenyl)-Pyrazol Schiff Base Derivatives</i></b>                                          | <b><i>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2024, Vol. 24, No.1</i></b>           | 2024 |
|  | <b><i>Molecular Modeling, Synthesis, and preliminary pharmacological evaluation of New Sulfonamide Derivatives as Selective Carbonic Anhydrase XII and IX inhibitors</i></b>  | <b><i>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2024, Vol. 24, No.2</i></b>           | 2024 |
|  | <b><i>In-silico molecular docking, ADME study, and molecular dynamic simulation of new azetid-2-one derivatives with antiproliferative activity</i></b>                       | <b><i>Turkish Comp Theo Chem (TC&amp;TC), 8(2), (2024), 39-50</i></b>                            | 2024 |

|  |                                                                                                                                                                                                                                         |                                                                                        |      |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------|
|  | <b><i>In Silico Evaluation of Molecular Docking, Molecular Dynamic, and ADME Study of New Nabumetone Schiff Base Derivatives (1,3,4oxadiazole or 1,3,4-thiadiazole ring) Promising Antiproliferation Action Against Lung Cancer</i></b> | <b><i>Turkish Comp Theo Chem (TC&amp;TC), 8(4), (2024), 114-126</i></b>                | 2024 |
|  | <b>Design, Molecular Docking, Synthesis, and ADME Studies of Novel Amide Derivatives of Diflunisal and Aspirin Compounds as Preferential Selective Cox-2 Inhibitor</b>                                                                  | <b><i>Research J. Pharm. and Tech. 17(8): August 2024</i></b>                          | 2024 |
|  | <b><i>Design, Molecular Docking and Molecular Dynamic Simulation of New Heterocyclic Derivatives as Potential Anticancer Agents</i></b>                                                                                                 | <b><i>Al-Rafidain J Med Sci. 2024;7(1S):S84-90.</i></b>                                | 2024 |
|  | <b><i>Synthesis, characterization, preliminary molecular docking, pharmacological activity, and ADME studies of some new pyrazoline derivatives as anti-breast cancer agents</i></b>                                                    | <b><i>Pharmacia 71: 1–10 DOI 10.3897/pharmacia.71.e133015</i></b>                      | 2024 |
|  | <b>Synthesis, Molecular Docking, Characterization, and Preliminary Evaluation of Some New 1, 3-Diazetid-2-One Derivatives as Anticancer Agents</b>                                                                                      | <b><i>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2024, Vol. 24, No.1</i></b> | 2024 |
|  | <b>Docking study, ADMET Profiling of the Designed 3-chlorobenzo[b]thiophene-2carbonyl chloride derivatives: Promising AntiBreast Activity</b>                                                                                           | <b>Research J Pharm. and Tech. 16(2) 2023</b>                                          | 2023 |
|  | <b>Molecular docking, Synthesis and Characterization of New Indomethacin and Mefenamic Acid Analogues as Potential Anti-inflammatory Agents</b>                                                                                         | <b>Al Mustansiriyah Journal of Pharmaceutical Sciences, 2023, Vol. 23, No.3</b>        | 2023 |
|  | <b>Molecular modeling, synthesis, and antiproliferative evaluation of new isoxazole ring linked by Schiff bases and azo bond</b>                                                                                                        | <b>J Adv Pharm Technol Res 2023; 14:213-9.</b>                                         | 2023 |

|  |                                                                                                                                                      |                                                                                     |      |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|  | <b><i>In silico evaluation of binding interaction and ADME study of new 1,3-diazetid-2-one derivatives with high antiproliferative activity.</i></b> | <b>J Adv Pharm Technol Res 2023;14:176-84.</b>                                      | 2023 |
|  | <b>Synthesis, characterization, and antiproliferative evaluation of novel sorafenib analogs for the treatment of hepatocellular carcinoma</b>        | <b>Journal of Advanced Pharmaceutical Technology &amp; Research 2023; 14:274-9.</b> | 2023 |
|  | <b>Molecular Docking Study of New Sorafenib Analogues as Platelet-Derived Growth Factor Receptor Inhibitors for the Treatment of Cancer</b>          | <b>Journal of Pharmacy and Bioallied Sciences 2023;15:S1023-6</b>                   | 2023 |

|  |                                                                                                                                                                                 |                                                                                                                                       |      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------|
|  | <b><i>In silico</i> molecular docking, ADME study and synthesis of new 1,3-diazetidin-2-one derivatives with high anti-proliferative activity</b>                               | F1000Research 2023, 12:1090                                                                                                           | 2023 |
|  | <b>Synthesis, Characterization, ADME Study and Anti-proliferative evaluation against MCF-7 breast cancer cell line of new analog of a 4aminophenyl quinazolinone derivative</b> | Al Mustansiriyah Journal of Pharmaceutical Sciences, 2023, Vol. 23, No.4                                                              | 2023 |
|  | <b>Molecular Docking, Design, Synthesis, Characterization and Pharmacological Evaluation of New 2-hydrazinel Oxazole containing moiety as anti-proliferative activity</b>       | Bionatura Issue 4 Vol 8 No 1 2023                                                                                                     | 2023 |
|  | <b>Synthesis and Anti-breast Cancer Activity Evaluation of the Designed 3-Chlorobenzo[b]thiophene Derivatives: Promising Estrogen Receptor Alpha Inhibitors</b>                 | <i>Egypt. J. Chem.</i> Vol. 66, No. 10 pp. 431 - 441 (2023)                                                                           | 2023 |
|  | <b>IN SILICO EVALUATION OF BINDING INTERACTION AND ADME PROPERTIES OF NOVEL 5- (THIOPHEN-2-YL)-1,3,4OXADIAZOLE-2-AMINE DERIVATIVES AS ANTI-PROLIFERATIVE AGENTS</b>             | <i>Int J App Pharm, Vol 15, Issue 1, 2023, 141-146</i>                                                                                | 2023 |
|  | In silico Design, Synthesis, and Characterization of New Diazolebenzamide Derivatives as Glucokinase Activators                                                                 | International Journal of Drug Delivery Technology. 2022;12(1):343-354.                                                                | 2022 |
|  | Design, synthesis, characterization, and biological evaluation of new diazole- benzamide derivatives as glucokinase activators with                                             | <i>Egypt. J. Chem.</i> Vol. 65, No. 8, pp. 451 – 469 (2022)                                                                           | 2022 |
|  | antihyperglycemic activity<br>Synthesis, molecular docking and anti-inflammatory evaluation of new trisubstituted pyrazoline derivatives bearing benzenesulfonamide moiety      | NATURAL PRODUCT RESEARCH<br><a href="https://doi.org/10.1080/14786419.2022.2117174">https://doi.org/10.1080/14786419.2022.2117174</a> | 2022 |
|  | Design, Molecular Docking, Synthesis and Evaluation of New Isatin Derivatives Bearing Pyridine Moiety as Potential Tyrosine Kinase Inhibitors                                   | <i>Egypt. J. Chem.</i> Vol. 65, No. 2 pp. 9 - 18 (2022)                                                                               | 2022 |
|  | Newly synthesized Olaparib Analogues: Clinical Activity Evaluation against the MCF-7 Breast Carcinoma Cell Lines                                                                | <i>Egypt. J. Chem.</i> Vol. 65, No. 5 pp. 247 - 261 (2022)                                                                            | 2022 |
|  | <b>MOLECULAR DOCKING, SYNTHESIS, CHARACTERIZATION AND ANTIPROLIFERATIVE EVALUATION OF PYRAZOLINE DERIVATIVES</b>                                                                | <i>Biochem. Cell. Arch.</i> Vol. 22, No. 1, pp. 2927-2936, 2022                                                                       | 2022 |

|  |                                                                                                                                                                                                                                                |                                                                                                                                             |      |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------|
|  | <b>Design, Molecular Docking Studies, Synthesis and Characterization of some New 4,5-dihydro-1H- Pyrazole-1-yl acetate</b>                                                                                                                     | <i>Research J. Pharm. and Tech.</i><br>15(8): August 2022                                                                                   | 2022 |
|  | <b>Design, Molecular Docking, Synthesis, Preliminary In Silico ADME Studies, and Anti-inflammatory Evaluation of New Oxazole Derivatives</b>                                                                                                   | <i>Journal of Pharmaceutical Negative Results</i>   Volume 13  <br>Special Issue 7   2022<br>P 217-228                                      | 2022 |
|  | <b>Molecular Docking study, and In vitro Evaluation of Antitumor Activity of Some New Isoxazoline and Pyrazoline</b>                                                                                                                           | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences</i> , 2022,<br>Vol. 22, No.3                                                         | 2022 |
|  | <b>Derivatives of Nabumetone against Molecular Docking, ADME Study, Synthesis And Characterization Of New 4-Amino-5Aryl-4H- 1,2,4-Triazole-3-Thiol Derivatives</b>                                                                             | <i>Journal of Pharmaceutical Negative Results</i>   Volume 13  <br>Special Issue 7   2022<br>P 5491-5498                                    | 2022 |
|  | <b>Pharmacological Evaluation of New 4, 5dihydro-1H- Pyrazole-1-yl acetate Derivatives as Anti-inflammatory</b>                                                                                                                                | <i>International Journal of Drug Delivery Technology</i> .<br>2022;12(4):1733-1741.                                                         | 2022 |
|  | <b>Agents Pharmacological Evaluation of New 4, 5dihydro-1H- Pyrazole-1-yl acetate Derivatives as anti-cancer agents</b>                                                                                                                        | <i>Al Mustansiriyah Journal of Pharmaceutical Sciences</i> , 2022,<br>Vol. 22, No.4                                                         | 2022 |
|  | Molecular Docking, Synthesis and ADME Studies of New Pyrazoline Derivatives as Potential Anticancer Agents                                                                                                                                     | Egypt. J. Chem. Vol. 64, No. 8<br>pp. 4311 - 4322 (2021)                                                                                    | 2021 |
|  | Role of Caspase-3, IL-1 $\beta$ and oxidative stress in Iraqi women with breast cancer                                                                                                                                                         | Journal of Physics: Conference Series 1853 (2021) 012050                                                                                    | 2021 |
|  | New 2-Methyl Benzimidazole Derivatives bearing 4-Thiazolidinone Heterocyclic Rings: Synthesis, Preliminary Pharmacological Assessment and Docking Studies.                                                                                     | Research J. Pharm. and Tech.<br>14(3): March 2021                                                                                           | 2021 |
|  | Molecular Modeling, Drug Design and Binding Evaluation of New Oxazole Derivatives as Cyclooxygenase Inhibitors.                                                                                                                                | Egypt. J. Chem. Vol. 64, No. 9,<br>pp. 5101 - 5109 (2021)                                                                                   | 2021 |
|  | A newly synthetic compound of Ibuprofen and Gabapentin as a novel analgesic and antiinflammatory therapeutic agent: A                                                                                                                          | Journal of Emergency Medicine, Trauma & Acute Care 2021:24<br><a href="http://dx.doi.org/10.5339/jemta">http://dx.doi.org/10.5339/jemta</a> | 2021 |
|  | pharmacological study in rats' experimental Identification and Isolation of Lupeol and $\beta$ sitosterol from Iraqi <i>Bauhinia variegata</i> and determination the Cytotoxic activity of the hexane extract of its leaves, stems and flowers | <i>Research J. Pharm. and Tech.</i><br>14(11): November 2021                                                                                | 2021 |

|  |                                                                                                                                                                                |                                                                                     |      |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|  | Density Functional Theory and Molecular Modeling Studies of New 4- (Furan-2-yl) Thiazol-2-Amine Derivatives as Cyclooxygenase                                                  | Egypt. J. Chem. Vol. 64, No. 9 pp. 4833 - 4841 (2021)                               | 2021 |
|  | Inhibitors<br>Theoretical Drug Design, Molecular Docking and ADME Study of New 1,3,4- Oxadiazole Derivatives: Promising Anticancer Agents Against Both Breast and Lung Cancers | <i>Egypt. J. Chem. Vol. 64, No. 11 pp. 6269 - 6283 (2021)</i>                       | 2021 |
|  | Synthesis, preliminary pharmacological evaluation, molecular docking, and ADME studies of new 4-thiazolidinone derivatives                                                     | <i>Egypt. J. Chem. Vol. 64, No. 12 pp. 7339 - 7350 (2021)</i>                       | 2021 |
|  | bearing ketoprofen moiety targeting Synthesis in microwave, pharmacological evaluation, molecular docking and ADME studies of Schiff bases of Diclofenac targeting             | J Biochem Tech (2020) 11 (2): 88-101                                                | 2020 |
|  | COX-2<br>Design, Synthesis and Antibacterial Study of New Agents Having 4-Thiazolidinone                                                                                       | Egypt.J.Chem. Vol. 63, No.7. pp. 2591- 2603 (2020)                                  | 2020 |
|  | Pharmacophore<br>The Evaluation of Antiproliferative Effect of Imatinib derivatives Against Breast and Colon Cell-Lines                                                        | IJPQA, Volume 11 Issue 1<br>January 2020 – March 2020                               | 2020 |
|  | Design, Synthesis of Imidazole and Study Antibacterial Molecular Docking of New Heterocyclic Derived from Furfural                                                             | Indian Journal of Public Health Research & Development, April 2020, Vol. 11, No. 04 | 2020 |
|  | Qualitative, Quantitative and Cytotoxic estimation of Phytochemicals in aerial parts of Iraqi Bauhinia variegata                                                               | Al Mustansiriyah Journal of Pharmaceutical Sciences, 2020, Vol. 20, No.4            | 2020 |
|  | Molecular Drug Design, Synthesis and Antibacterial study of Novel 4-Oxothiazolidin-3yl Derivatives                                                                             | Al Mustansiriyah Journal of Pharmaceutical Sciences, 2020, Vol. 20, No.2            | 2020 |
|  | Isolation of Astragalin from Cressa cretica cultivated in Iraq                                                                                                                 | J. Pharm. Sci. & Res. Vol. 11(1), 2019, 185-190<br>PharmaInfo Publications India    | 2019 |
|  | DETERMINATION, ISOLATION, AND IDENTIFICATION OF AUCUBIN AND VERBASCOSIDE IN THE LEAVES OF IRAQI                                                                                | Int J Pharm Pharm Sci, Vol 11, Issue 2, 74-80 innovare academic sciences India      | 2019 |
|  | PLANTAGO LANCOLETA L. USING Design, Molecular docking, and Synthesis of New Derivatives of Diclofenac with expected anti-inflammatory and selectivity to COX-2                 | J. Pharm. Sci. & Res. Vol. 11(2), 2019, 531-539<br>PharmaInfo Publications India    | 2019 |

|                                                                                                                                                                                                                                              |                                                                                                                                                   |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|
| enzyme<br>Design, synthesis, preliminary pharmacological<br>evaluation, molecular docking and ADME studies<br>of some new pyrazoline, isoxazoline and<br>pyrimidine derivatives bearing nabumetone<br>moiety targeting cyclooxygenase enzyme | J Contemp Med Sci   Vol. 5, No.<br>1, January–February 2019: 41–<br>50 Nab'a Al-Hayat Foundation<br>for Medical Sciences and Health<br>Care, Iraq | 2019 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|

|                                                                                                                                                                                   |                                                                                                      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------|
| In silico Design, synthesis and characterization of<br>New Spebrutinib Analogues                                                                                                  | Pharm Anal Acta, Vol. 10 Iss. 3<br>No: 612<br>Belgium Longdom puplishing                             | 2019 |
| Biological Evaluation of Newly synthesized<br>Spebrutinib Analogues: Potential Candidates with<br>Enhanced Activity and Reduced Toxicity                                          | International Journal of Drug<br>Delivery Technology 2019;<br>9(3); 1-8doi:<br>10.25258/ijddt.v9i3.3 | 2019 |
| Profiles<br>Synthesis, anti-inflammatory, molecular docking<br>and ADME studies of new derivatives of<br>ketoprofen as cyclooxygenases inhibitor.                                 | Al Mustansiriyah Journal of<br>Pharmaceutical Sciences, 2019,<br>Vol. 19, No.4                       | 2019 |
| Cytotoxic Activity of Iraqi Cressa Cretica                                                                                                                                        | Al Mustansiriyah Journal of<br>Pharmaceutical Sciences, 2019,<br>Vol.19, No.1                        | 2019 |
| Design, Synthesis, and Acute Anti-inflammatory<br>Assessment of New 2-methyl Benzoimidazole<br>Derivatives Having 4-Thiazolidinone Nucleus                                        | Al Mustansiriyah Journal of<br>Pharmaceutical Sciences, 2019,<br>Vol. 19, No.4                       | 2019 |
| Molecular Docking Studies for Design, Synthesis<br>and Characterization of New Imatinib Analogues                                                                                 | Pharm Anal Acta, Vol. 10 Iss. 4<br>No: 616                                                           | 2019 |
| Synthesis, characterization, and Antibacterial<br>Study of some Imidazole and Molecular Docking<br>of New Heterocyclic from Furan Derivatives                                     | J Biochem Tech (2019) (4):<br>7681                                                                   | 2019 |
| Preliminary Phytochemical and GC-MS analysis<br>of chemical constituents of Iraqi Plantago<br>lanceolata L.                                                                       | AJPS, 2018, Vol. 18, No.2 Iraq                                                                       | 2018 |
| ISOLATION, QUANTIFICATION, AND<br>IDENTIFICATION OF ROSMARINIC ACID, GAS<br>CHROMATOGRAPHY-MASS SPECTROMETRY<br>ANALYSIS OF ESSENTIAL OIL, CYTOTOXIC<br>EFFECT, AND ANTIMICROBIAL | Asian J Pharm Clin Res, Vol<br>11, Issue 6, 2018, 126-132                                            | 2018 |
| Synthesis, Characterization and AntiInflammatory<br>Activity<br>Assessment of New Ibuprofen Analogues<br>Containing Imidazole-4-<br>One Derivatives                               | Journal of Global Pharma<br>Technology  2018; Vol. 10:<br>Issue 03:134-141                           | 2018 |

|  |                                                                                                                          |                                                                                       |      |
|--|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|
|  | Synthesize of New Ibuprofen and Naproxen Sulphonamide Conjugate with Anti-Inflammatory Study and Molecular Docking Study | International Journal of Pharmaceutical Quality Assurance 2018; 9(2); 102-108         | 2018 |
|  | DESIGN, SYNTHESIS AND PRELIMINARY PHARMACOLOGICAL EVALUATION OF NEW METFORMIN DERIVATIVES                                | International Journal of Pharmacy and Pharmaceutical Sciences<br>Vol 9, Issue 1, 2017 | 2017 |
|  | Synthesis, Characterization and Antibacterial Study of New Sulfa Drug Derivatives Containing 4-Thiazolidinones           | Al-Mustansiriyah Journal of Pharmaceutical Sciences<br>AJPS, 2017, Vol. 17, No.1      | 2017 |

|  |                                                                                                                                                         |                                                                                       |      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|
|  | SYNTHESIS AND PRELIMINARY PHARMACOLOGICAL EVALUATION OF NEW NAPROXEN ANALOGUES HAVING 1, 2, 4-TRIAZOLE-3-THIOL                                          | International Journal of Pharmacy and Pharmaceutical Sciences<br>Vol 9, Issue 7, 2017 | 2017 |
|  | Phytochemical and anti bacterial studies of leaves of Rosmarinus officinalis cultivated in Karbala, Iraq.                                               | Al-Mustansiriyah Journal of Pharmaceutical Sciences<br>AJPS, 2017, Vol. 17, No.2      | 2017 |
|  | Design, synthesis, and acute anti-inflammatory assessment of new ketoprofen analogs having 4-thiazolidinone nucleus                                     | Int. j. Res. Pharm. Sci. , 8(4), 576-584                                              | 2017 |
|  | Synthesis, characterization and antibacterial evaluation of novel 2-mercaptobenzothiazole derivatives bearing 2-aminonicotinonitrile moiety             | European Journal of Chemistry<br>7(1) (2016) 8-13                                     | 2016 |
|  | Synthesis, Characterization and Antimicrobial Study of New Nalidixic Acid Mannich Base Derivatives                                                      | Der Pharma Chemica, 2016, 8(19):424-432                                               | 2016 |
|  | Design, Synthesis and Pharmacological Evaluation of Sulfanilamide-Ciprofloxacin Conjugates Utilizing Hybridization Approach as New Antibacterial Agents | Journal of Natural Sciences Research<br>Vol.5, No.4, p 106-117<br>2015                | 2015 |
|  | Design, Synthesis and Acute Anti-Inflammatory Evaluation of New Non-Steroidal Anti-Inflammatory Agents Having 4-Thiazolidinone Pharmacophore            | Journal of Natural Sciences Research<br>Vol.5, No.6, p 21-28<br>2015                  | 2015 |
|  | Synthesis, Characterization and Antimicrobial Activity of Some Novel 1,4-dihydropyrano[2,3c]pyrazole-5-carbonitrile Derivatives                         | Journal of Advances in Chemistry Vol 11, No 6, pp 3635-3641                           | 2015 |

|  |                                                                                                                                         |                                                                                     |      |
|--|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|  | Synthesis and Characterization of New Ligands attached to NSAIDs Moiety                                                                 | International Journal of Advanced Research (2015), Volume 3, Issue 6, 172-192       | 2015 |
|  | Synthesis and characterization of some new 2-azetidinone derivatives                                                                    | Al-Mustansiriyah journal of pharmaceutical sciences 2015(AJPS), 2015, Vol. 15, No.2 | 2015 |
|  | 22 SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF NEW SERIES OF SULFAMETHOXAZOLE DERIVATIVES                                 | WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES                               | 2015 |
|  | 23 Synthesis, characterization and preliminary pharmacological evaluation of new non-steroidal anti-inflammatory pyrazoline derivatives | European Journal of Chemistry 6 (4) (2015) 461-467                                  | 2015 |

|  |                                                                                                                                                                 |                                                                                  |      |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------|
|  | Ofloxacin-Polymer Conjugates Synthesis, Characterization and Evaluation Preliminary Antibacteria                                                                | Asian Academic Research Journal of Multidisciplinary Vol. 1, issue 20, p 333-344 | 2014 |
|  | Design, Synthesis and Preliminary Pharmacological Evaluation of Mutual Prodrug of Non-Steroidal Anti-Inflammatory Drugs Coupling With Natural Anti-Oxidants Via | AJPS, 2013, Vol. 13, No.1                                                        | 2013 |
|  | Glycine Synthesis & Chemical Hydrolysis Study of some NSAIDs Linked to Natural Antioxidant via Alanine                                                          | Journal of Advances in Chemistry Vol 4, No 1, 368                                | 2013 |
|  | Synthesis of 2,3-Dihydro-1,4-naphthaquinone Derivatives for Targeting the Altered Cancer Cells Metabolism                                                       | Journal of Advances in Chemistry Vol. 4, No. 2, 472                              | 2013 |
|  | Design, Synthesis and hydrolytic study of mutual prodrugs of NSAIDs with different antioxidants via glycolic acid                                               | Pharmacie Globale (IJCP) 2012, 1 (03)                                            | 2012 |
|  | Design, Synthesis and Preliminary Pharmacological Evaluation of New NonSteroidal Anti-Inflammatory Agents Having a 4-                                           | Molecules 2012, 17, 1751-1763                                                    | 2012 |
|  | (Methylsulfonyl) Aniline Pharmacophore Design and Synthesis of possible mutual prodrugs by coupling of NSAIDs with sulfa drugs using glycolic acid as spacer    | Pharmacie Globale (IJCP) 2012, 2 (03)                                            | 2012 |

|  |                                                                                                                                                       |                                        |       |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------|
|  | Design, Synthesis and Hydrolytic Behavior of Mutual Prodrugs of NSAIDs with Gabapentin Using Glycol Spacers                                           | Pharmaceuticals 2012, 5, 1080-1091     | 2012  |
|  | Synthesis and Preliminary Pharmacological Evaluation of new Analogues of Diclofenac as Potential Anti-inflammatory Agents                             | Iraqi.J.Pharm.Sci. vol.20 (1), 25      | 2011  |
|  | Synthesis and Preliminary Pharmacological Study of Sulfonamide Conjugates with Ibuprofen and indomethacin as New Anti-Inflammatory Agents             | Iraqi.J.Pharm.Sci. vol.18 (2) p 39,    | 2009. |
|  | Synthesis of New 5-Fluorouracil Derivatives as possible Prodrug for Targeting Cancer Cells.                                                           | Al-mustansiriyah J.sci. vol.20(5),     | 2009. |
|  | Synthesis and Preliminary Pharmacological Evaluation of aminobenzensulfonamides derivatives of diflunisal as a potential Antiinflammatory agents.     | Iraq.j.phar. vol. 7&8,(1) 42,          | 2008. |
|  | Synthesis and Preliminary Pharmacological Evaluation of aminobenzensulfonamides derivatives of Mefenamic acid as a potential Antiinflammatory agents. | Iraqi.J.Pharm.Sci. vol.17 (1) p 7,     | 2008. |
|  | Synthesis of new conjugation of indomethacine as possible prodrug<br>.                                                                                | Al-mustansiriyah J.sci. vol.19(6)p 11, | 2008  |
|  | Synthesis of Water soluble Derivatives of Metronidazole as Possible Prodrugs.<br>.                                                                    | Al-mustansiriyah J.sci. vol.19(6)p 24, | 2008  |
|  | Synthesis of new analgesic peptide analogues                                                                                                          | Raf. Jour.sci. vol (II),4,1225,.       | 2000  |
|  |                                                                                                                                                       |                                        |       |
|  |                                                                                                                                                       |                                        |       |
|  |                                                                                                                                                       |                                        |       |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|