



**College of Education for pure science/ Dept. of Chemistry**  
**International, Local, Scopus Published manuscripts in 2023-2024**



| Article Title   | Researcher Name           | Scientific Title | Type of publication  | Publication year | Journal Name   |
|---|---------------------------|------------------|----------------------|------------------|--|
| Indirect Spectrophotometric Determination of Carvedilol, Olanzapine and Domperidone maleate in Pharmaceuticals using Potassium permanganate and Alkali blue 4B Dye                          | Rawaa Zakaria             | Assist. Prof.Dr. | Local                | 2023             | JOURNAL OF EDUCATION AND SCIENCE                             |
| The role of polyamines in plants: A review  | Nashwan Al-Lehebee        | Prof.Dr.         | Scopus/International | 2023             | Plant Science Today  |
| Preparation and Characterization of Some Complexes of Nickel(II), Copper (II), and Zinc (II) With Decylxanthate and their Adducts with Nitrogen Base Ligands, and their Biological Activity | Fadia Ahmed               | Assist. Prof.Dr. | Scopus/International | 2023             | Journal of the Turkish Chemical Society Section A: Chemistry |
| Citric acid-cross linked with magnetic metal-organic framework composite sponge for   | Omar Abdulhay Sheej Ahmad | Assist. Prof.Dr. | Scopus/International | 2023             | Journal of Molecular Structure                               |

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| superior adsorption of indigo carmine blue dye from aqueous solutions: Characterization and adsorption optimization via Box–Behnken design  |                            |                     |                      |      |  |
| Sunset yellow-(E110) on the surface of granular carbon as an adsorbent, and calculation of the values of the thermodynamic functions, distribution coefficient, probability of adhesion, and apparent activation energy | Ibrahim Younus<br>Mohammed | Dr.                 | International        | 2023 | IAR Journal of Clinical & Medical Biochemistry               |
| The Role of Fallopia baldschuanica Plant Extract in the Regression of Induced Hepatocellular Carcinoma in Rats  | Hamza N Hameed             | Dr.                 | Scopus/International | 2023 | Acta Chim. Slov.   |
| Theoretical Investigation of the Structures and Energetics of (MX)-Ethanol Complexes in the Gas Phase   | Ahmed M. Sadoon            | Assist.<br>Prof.Dr. | Scopus/International | 2023 | Journal of the Turkish Chemical Society Section A: Chemistry |

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| Concise synthesis of moracin M using Appel mediated dehydration of a bioinspired endoperoxide  | Yassir Al-Jawaheri        | Assist. Prof.Dr. | Scopus/International | 2024 | Tetrahedron Letter   |
| Spectrophotometric Assay for the Determination of Phenylephrine-HCl using Sodium Nitroprusside and Hydroxylamine Hydrochloride as a reagents | Omar Abdulhay Sheej Ahmad | Assist. Prof.Dr. | Scopus/International | 2024 | <i>Research J. Pharm. and Tech.</i>                          |
| Bis(diphenyl)phosphinomethane Platinum(II) complex of 1-(benzo[d]thiazol-2-yl)-3-phenylthiourea: Crystal structure and DFT study             | Alyaa S.M.O. Al-Barwari   | Assist. Prof.Dr. | Scopus/International | 2024 | Journal of Molecular Structure                               |
| Preparation of the Nano-Sulfur from the Wastes (Foam) in the Al-Mishraq Sulfur Mine (Mosul/Iraq)   | Ammar Ahmed Hamdoon       | Prof.Dr.         | Scopus/International | 2024 | Journal of the Turkish Chemical Society Section A: Chemistry |
| Study the biochemical, hematological, and histopathological alteration in heat-stress fish treated with an immune stimulant                  | R.T. Altaee               | Dr.              | Scopus/Local         | 2024 | Iraqi Journal of Veterinary Sciences                         |

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| Tailoring magnetic Sn-MOFs for efficient amoxicillin antibiotic removal through process optimization  | Omar Abdulhay Sheej Ahmad | Assist. Prof.Dr. | Scopus/International | 2024 | RSC Advances                           |
| Maillard reaction: formation, advantage, disadvantage and control. A review   | Omar Y. Al-Abbasy         | Prof.Dr.         | Scopus/International | 2024 | Food science and applied biotechnology |
| SYNTHESIS OF SUBSTITUTED HETEROCYCLIC WITH THEIR COBALT( II ) COMPLEXES FROM 2-AMINOTHIAZOLES AND EVALUATION OF THEIR BIOLOGICAL ACTIVITY                                       | Amaal Y. Al-Assafe        | Assist. Prof.Dr. | Scopus/International | 2024 | Bull. Chem. Soc. Ethiop                |
| SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL STUDIES OF CIPROFLOXACI-IMINES AND THEIR COMPLEXES WITH OXOZIRCONIUM(IV), DIOXOMOLYBDENUM(VI), AND DIOXOTUNGSTEN(VI)              | Amaal Y. Al-Assafe        | Assist. Prof.Dr. | Scopus/International | 2024 | Bull. Chem. Soc. Ethiop                |
| SYNTHESIS, CHARACTERIZATION, AND ANTIBACTERIAL STUDIES OF SOME OF FIRST TRANSITION SERIES METALS AND ZINC COMPLEXES WITH MIXED LIGANDS OF TRIMETHOPRIM-ISATIN AND NITROGEN BASE | Amaal Y. Al-Assafe        | Assist. Prof.Dr. | Scopus/International | 2024 | Bull. Chem. Soc. Ethiop                |

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| POLY (URETHANE: ETHYLENE VINYL ACETATE) MIXTURE AS A MODIFIERS MATERIALS FOR THE RHEOLOGICAL PROPERTIES OF LOCALLY PAVING ASPHALT                          | Ammar Ahmed Hamdoon | Prof.Dr.         | International        | 2024 | MINAR International Journal of Applied Sciences and Technology |
| DIFFERENT MEMBERED HETEROCYCLIC DERIVATES: SYNTHESIS, IDENTIFICATION, AND BIOLOGICAL INVESTIGATION   | Hadil. S. AZIZ      | Dr.              | International        | 2024 | MINAR International Journal of Applied Sciences and Technology |
| Using of Crushed Glass Supported Fe/Cu Bimetallic Nanoparticles for remediation of Ciprofloxacin Antibiotic from Aqueous Solution                          | Noor M. Ibraheem    | Assist. Lectural | Scopus/International | 2024 | South African Journal of Chemical Engineering                  |
| New Series of Ni(II), Cu(II), Zr(IV), Ag(I), and Cd(II) Complexes of Trimethoprim and Diamine Ligands: Synthesis, Characterization, and Biological Studies | Amaal Y. Al-Assafe  | Assist. Prof.Dr. | Scopus/International | 2024 | Indones. J. Chem   |
| Synthesis and characterization of some transition metal complexes with Schiff base derived from 2,6-diaminopyridine  | Amaal Y. Al-Assafe  | Assist. Prof.Dr. | Scopus/International | 2024 | Bulletin of the Chemical Society of Ethiopia                   |

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| Biochemical and Histopathological Alteration in Cyprinus Carpio Exposed to CuSO4 and Died with Azolla and Duckweed                             | R.T. Altaee               | Dr.              | International        | 2024 | The Arab Journal of Agricultural Sciences,                   |
| Preparation of the Nano-Sulfur from the Wastes (Foam) in the Al-Mishraq Sulfur Mine (Mosul/Iraq)   | Ammar Ahmed Hamdoon       | Prof.Dr.         | Scopus/International | 2024 | Journal of the Turkish Chemical Society Section A: Chemistry |
| Using 2,4- Dinitroaniline as a Reagent for the Spectrophotometric Determination of Vancomycin Hydrochloride by Daotizatozaid Coupling Reaction | Omar Abdulhay Sheej Ahmad | Assist. Prof.Dr. | International        | 2024 | مجلة جامعة بني وليد للعلوم الإنسانية والتطبيقية              |
| GREEN METHOD FOR THE SPECTROPHOTOMETRIC DETERMINATION OF PHENYLEPHRINE AND TERBUTALINE PHARMACEUTICAL FORMULATIONS                             | Nagham N. Habeeb          | Dr.              | Scopus/International | 2024 | CHEMICAL PROBLEMS  |
| Indirect Spectrophotometric Determination of Antidepressant Drugs by Oxidation Using Ponceau 4R Dye  | Theia'a N. Al-Sabha       | Prof.Dr.         | Scopus/International | 2024 | Pak. J. Anal. Environ. Chem                                  |

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| Spectrophotometric Determination of Adrenaline, Phenylephrine Hydrochloride, and Terbutaline Sulfate Using the Gibbs Reagent   | Theia'a N. Al-Sabha | Prof.Dr.         | Scopus/International | 2024 | Journal of Analytical Chemistry             |
| Indirect Spectrofluorometric Determination of Trifluoperazine hydrochloride, Promethazine hydrochloride, Dimetindene Maleate in Pharmaceuticals by Ion Association Complex Formation with Phloxine B Dye | Rawaa Zakaria       | Assist. Prof.Dr. | Local                | 2024 | College of Basic Education Research Journal |
| COOMASSIE BRILLIANT BLUE STAINING USED IN SPECTROPHOTOMETRIC ASSAY FOR DOPAMINE HYDROCHLORIDE AND METHYLDOPA DETERMINATION   | Mohamed Y. Dhamra   | Assist. Prof.Dr. | Scopus/International | 2024 | CHEMICAL PROBLEMS                           |
| Spectrophotometric Determination of Some Adrenergic Drugs Using H <sub>2</sub> O <sub>2</sub> and Dichlorophenolindophenol   | Mohamed Y. Dhamra   | Assist. Prof.Dr. | Scopus/Local         | 2024 | Baghdad Science Journal                     |
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