



# Mohammed Alaa Abdulzahra

محمد علاء عبد الزهرة جاسم الرفياعي

Associate Professor

## PROFILE

Lecturer and Researcher in DNA Research Center /University Of Babylon

## ACADEMIC TITLES

2025-04-17 Associate Professor

## PUBLICATIONS ( 131 )

- Prevalence of Extended-Spectrum B-Lactamase (ESBL) and Quinolone Resistance (qnr) Genes among Cytotoxic Necrotizing Factor-1-Producing Uropathogenic Escherichia coli in Babylon&nbsp;...**  
*Infection Epidemiology and Microbiology* 9 (3), 209-218, 2025 | 2025 | Cited: 1
- New polytetrazole synthesis and adsorption surface investigation based on sulfadiazine grafted polyimine**  
*Chemistry, Physics and Technology of Surface* 15 (3), 420-428, 2024 | 2024 | Cited: 1
- Spectrophotometric Determination of Antioxidant Capacity in Ethanolic and Aqueous Infusions of Cloves**  
*Chemical Interactions* 1 (2), 1-5, 2024 | 2024 | Cited: 3
- Determination of Zinc and Magnesium in Food Samples via Cloud Point Extraction using Brilliant Green as a Reagent.**  
*Methods & Objects of Chemical Analysis/Metody & Obekty Himičeskogo Analiza&nbsp;...*, 2024 | 2024 | Cited: 6
- Spectrophotometric determination of gancyclovir drug by combination reaction with NQS as a reagent**  
*AIP Conference Proceedings* 3092 (1), 030007, 2024 | 2024 | Cited: 6
- Spectrophotometric determination of gancyclovir drug by combination reaction with NQS as a reagent**  
*AIP Conference Proceedings* 3092 (1), 2024 | 2024 | Cited: 4
- RISK FACTORS AND ANTIBIOTIC RESISTANCE SPREAD AMONG PATIENTS WITH URINARY TRACT INFECTIONS IN KERBALA, IRAQ**  
*Gomal Journal of Medical Sciences* 22 (2), 158-163, 2024 | 2024
- THE CORRELATION BETWEEN APPETITE HORMONE AND LIPID PROFILE IN OVERWEIGHT MALES WITH HYPERTENSION**  
*Gomal Journal of Medical Sciences* 22 (2), 132-137, 2024 | 2024
- NEW POLYTETRAZOLE SYNTHESIS AND ADSORPTION SURFACE INVESTIGATION BASED ON SULFADIAZINE GRAFTED POLYIMINE.**  
*Chemistry, Physics & Technology of Surface/Khimiya, Fizyka ta Tekhnologiya&nbsp;...*, 2024 | 2024
- Separation and Spectroscopic Determination of Ge (IV) as an Ion Pair Association Complex Using DB18C6 Ligand.**  
*Journal of the Chemical Society of Pakistan* 46 (330), 2024 | 2024 | Cited: 1
- Новий синтез політетразолу та дослідження адсорбційної поверхні на основі полііміну, з прищепленим сульфадіазіном**  
*Хімія, фізика та технологія поверхні* 15 (3), 420-428, 2024 | 2024

## CONTACT

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## EDUCATION

دكتوراه (30-05-2022)

Organic Chemistry

university of Kufa

## RESEARCH METRICS

h-index (Scopus) 4

h-index (GS) 6

Citations (Scopus) 42

Citations (GS) 88

Documents (Scopus) 12

Documents (GS) 27



12. **Separation and Spectroscopic Determination of Ge (IV) as an Ion Pair Association Complex Using DB18C6 Ligand.**  
*Journal of the Chemical Society of Pakistan 46 (3), 2024 | 2024 | Cited: 1*
13. **Synthesis of Some Prodrug Compounds Depending on Maleimide Derivatives Method**  
*Journal of the Chemical Society of Pakistan 45 (, No. 05, 2023), 460-473, 2023 | 2023 | Cited: 6*
14. **Synthesis of Some Prodrug Compounds Depending on Maleimide Derivatives Method**  
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27. **Synthesis of Some Prodrug Compounds Depending on Maleimide Derivatives Method**  
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28. **Influence of leptin and adiponectin on polycystic ovary syndrome in obese Iraqi patients**  
*Journal name not provided, 2023 | 2023 | Cited: 2*
29. **Synthesis of Some Prodrug Compounds Depending on Maleimide Derivatives Method**  
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51. **Removal of Pharmaceuticals from Water Using Laccase Immobilized on Orange Peels Waste-Derived Activated Carbon**  
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*Journal of Biotech Research 2023 (15), 24-30, 2023 | 2023 | Cited: 4*
54. **Chemiluminescence of Luminol: A Review**  
*International Journal of Advanced Multidisciplinary Research and Studies 3&nbsp;..., 2023 | 2023*
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*Research Journal of Pharmacy and Technology 11 (6), 2555-2560, 2018 | 2018 | Cited: 71*
70. **Preparation, Spectral Investigation, Thermal Analysis, Biochemical Studying of New (Oxadiazole-Five Membered Ring)-Ligands**  
*Journal of Global Pharmacy Technology 10 (1), 20-29, 2018 | 2018 | Cited: 68*
71. **Formation of Oxadiazole Derivatives Ligands from Condensation and Imination Reaction with Reference to Spectral Investigation, Thermal and Microbial Assay**  
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73. **(Synthetic, Spectral, Chemo, Thermo) Studying of New Oxadiazole Derivatives**  
*RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES 8 (4), 66-76, 2017 | 2017*
74. **Adsorption isotherms and thermodynamic data for removal pesticides from aqueous solution on pomegranate peel surface**  
*American Journal of Applied Chemistry 3 (4), 147-152, 2015 | 2015 | Cited: 9*
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81. **L-Proline an efficient catalyst for synthesis of Triazole, Tetrazole derivatives: A Review**  
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83. **Electronic Structure, Thermodynamics functions and Physical properties for thiadiazol derivatives ring by using Ab Initio calculations (RHF-Model).**  
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84. **Molecular Structure, Vibrational Spectroscopic and HOMO-LUMO Studies of m-Bromoacetophenone by Quantum Chemical Investigations**  
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85. **Ab-Initio calculations; structural, physical properties, thermodynamic function and charges for some Bio active compounds**  
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124. **Quantum Chemical Vibrational Study, Molecular Properties and HOMO-LUMO Energies of 2-Chlorophenylisothiocyanate via Density Functional Theory**
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