السيرة الذاتية

الاسم: د. ربا فهمي عباس

مكان وتاريخ الميلاد: بغداد/ 11-8-1983

الحالة الاجتماعية: متزوجة

الجنسية: عراقية

اللقب العلمي: استاذ مساعد

معلومات التواصل : *البريد الالكتروني

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الشهادات الدراسية:

- بكالوريوس 2005/ قسم الكيمياء-كلية العلوم –الجامعة المستنصرية
- ماجستير 2012/ قسم الكيمياء-كلية العلوم –الجامعة المستنصرية
- دكتوراه 2024/ قسم الكيمياء-كلية العلوم –الجامعة المستنصرية

الخبرات الإدارية واللجان المشترك بها:

- العضوية في اللجان : عضو ارتباط لجان الجودة/ جودة المختبرات من 2026 الى 2025
- المشاركة في اقامة الورش والدورات / اقامة الكثير من الورش و والدورات في مجال السلامة المهنية والجودة والكيمياء

الخبرات الاكاديمية والتدريس:

- المقررات الدراسية التي تم تدريسها مختبر التحليلية العملي من 2005 الى 2024
- تدريس التحليلية النظري المرحلة الاولى
- تدريس التحليل الطيفي ماجستير

Dr. Ruba Fahmi Abbas

Current Position: Assistant Professor, Chemistry Department, College of Science
Affiliation: Al-Mustansiriyah University

Contact Information

- **Email (University):** rubaf1983@uomustansiriyah.edu.iq
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- **University Profile:** https://uomustansiriyah.edu.iq/e-learn/profile.php?id=920

Profile Summary

Dr. Ruba Fahmi Abbas is an Assistant Professor in Analytical Chemistry at the College of Science, Al-Mustansiriyah University. She holds a Ph.D. in Analytical Chemistry and has been a faculty member since 2005. She is actively involved in teaching analytical chemistry courses and has co-authored **more than 30 publications** in scientific journals.

Education

Degree	Specialization	Institution	Year Awarded
Ph.D.	Analytical Chemistry	Chemistry Department, College of Science, Al-Mustansiriyah University	2024
M.Sc.	Analytical Chemistry	Chemistry Department, College of Science, Al-Mustansiriyah University	2012
B.S.	Analytical Chemistry	Chemistry Department, College of Science, Al-Mustansiriyah University	2005

Academic Experience

- **Faculty Member:** Joined the faculty at the College of Science in 2005.
- **Teaching:** Regularly teaches courses in Analytical Chemistry.

Theses

- **Ph.D. Thesis Title (2024):** Analytical Study of Magnetic Solid Phase Extraction (MSPE) using Graphene Oxide with Magnetic Nano Oxides and it's Applications
- **M.Sc. Thesis Title (2012):** Estimation of the biological and chemical oxygen demand for the Tigris and Euphrates rivers in central and southern Iraq using advanced analytical methods (تقدير الاحتياجين الحيوي و الكيميائي للأوكسجين لنهري دجلة والفرات في وسط و جنوب العراق بوسائل تحليلية متقدمة)

Selected Publications (Co-authored more than 30)

1. A comparative assessment of ion pair sediment cloud point extraction and ultrasound-assisted dispersive magnetic solid phase extraction for Methyl Violet dye with environmental assessment metrics
   - *International Journal of Environmental Analytical Chemistry* (2025-09-30)
2. Flow injection spectrophotometry: A new approach for dapsone analysis in pharmaceutical products by coupling reaction with salbutamol sulfate
   - *Applied Chemical Engineering* (2025-09-15)
3. AP0989 One-Step Green Sonochemical Co-Precipitation Synthesis of Co-Doped Fe3O4 Nanoparticles for Improved Photoluminescence
   - *Iraqi Journal of Applied Physics* (2025-07-09)
4. Application of greenness assessment tools for sustainable methyl orange dye removal using MWCNT/MnFe2O4 nanocomposite: a comprehensive study
   - *Chemical Papers* (2025-07-10)
5. Bibliometric analysis (VOSviewer): Analytical chemistry techniques for heavy metals and lead determination in Iraq: A review
   - *Applied Chemical Engineering* (2025-05-08)
6. Spectrophotometric determination and removal of Rhodamine 6G from aqueous solutions using unfunctionalized multi-walled carbon nanotubes; with greenness and blueness assessment

- *International Journal of Environmental Analytical Chemistry* (2025-05-01)

7. Determination of AY 23 dye using magnetic solid-phase extraction coupled with spectrophotometry: Application of greenness and blueness assessment tools
   - *Green Analytical Chemistry* (2025-03-01)
8. Photo-irradiation synthesis of Fe3O4 and GO/Fe3O4 magnetic nanoparticles for tartrazine adsorption: a comparative and reuse studies
   - *Desalination and Water Treatment* (2023-12-01)
9. A Sustainable Modified Hummers Method for Synthesizing Graphene Oxide Nanosheets
   - *Iraqi Journal of Applied Physics* (2024-04-01)
10. Adsorption of fast green dye onto Fe3O4 MNPs and GO/Fe3O4 MNPs synthesized by photo-irradiation method: Isotherms, thermodynamics, kinetics, and reuse studies
   - *Sustainable Chemistry for the Environment* (2024-05-26)
11. Removal of Brilliant Green Dye from Aqueous Solutions Using Multi-walled Carbon Nanotubes (MWCNTs): Linear and Nonlinear Isotherm Models and Error Analysis
   - *Nature Environment and Pollution Technology* (2023-12-01)
12. Magnetic solid-phase extraction of Fast Green dye based on magnetic nanoparticles (GO/Co3O4/Fe3O4) prepared by photo-irradiation method
   - *Green Analytical Chemistry* (2023-11-26)
13. FIA- spectrophotometric method for the determination of amoxicillin in pharmaceuticals; application of AES, GAPI, and AGREE greenness assessment tools
   - *Methodsx* (2023-10-20)
14. Magnetic Solid Phase Extraction for Determination of Dyes in Food and Water Samples
   - *Indonesian Journal of Chemistry* (2023-09-08)
15. Analytical methods and GAPI assessment used for determination of toxic metals in commercially cosmetics products: Review
   - *Current Cosmetic Science* (2022)
16. Azo Dye Adsorption onto Cobalt Oxide: Isotherm, Kinetics, and Error Analysis Studies
   - *Indonesian Journal of Chemistry* (2021)
17. An Overview of Using Error function in Adsorption Isotherm Modeling
   - *Muthanna Journal of Pure Science* (2021)
18. Removal of Cr(VI) from aqueous solution by using polyaniline/polycarbonates nanofibers composite: central composite design, isotherm, and error analysis

- *Desalination and Water Treatment* (2021)

19. Chemistry and synthesis of Bis Pyrazole derivatives and their biological activity: a review
    - *Journal of Physics: Conference Series* (2021)
20. Synthesis and characterization of a novel benzimidazole derivative: Solvatochromic and acid-base indicator applications
    - *Materials today:proceeding* (2021-02-24)
21. Different Mathematical Spectrophotometric Methods for Determination of Ampyrone in Presence of Its Acid Degradation Product
    - *Al-Mustansiriyah Journal of Science* (2020-08-20)
22. High Performance Liquid Chromatographic and Area under Curve spectrophotometric Methods for Estimation of Cefixime in Pure and Marketed Formulation: A Comparative Study
    - *Research Journal of Chemistry and Environment* (2020)
23. Removal of Eriochrome Black T Dye by Using Al2O3 Nanoparticles: Central Composite Design, Isotherm and Error Analysis
    - *Iranian Journal of Science and Technology, Transactions A: Science* (2020)
24. Applications of aluminum oxide and nano aluminum oxide as adsorbents: review
    - *Samarra Journal of Pure and Applied Sciences* (2020)
25. Spectrophotometric Determination of Paracetamol using a Newly Synthesized Chromogenic Reagent 4-[(2-amino-1, 3thiazol-4-yl)amino]nitro benzene
    - *Egyptian Journal of Chemistry* (2020)
26. High Performance Liquid Chromatographic and Area under Curve spectrophotometric Methods for Estimation of Cefixime in Pure and Marketed Formulation: A Comparative Study
    - *Research Journal of Chemistry and Environment* (2020-05-23)
27. Cosmetics and heavy elements (مستحضرات التجميل والعناصر الثقيلة)
    - *Al-Sibt Specialized Center* (2020-03-29)
28. Smartphone Digital Image Using for Determination of DCH by a Diazotization Reaction
    - *Current Analytical Chemistry* (2019)
29. Removal of Eriochrom Black T from aqueous solution using Al2O3 surface: Linear and non-linear isotherm models, error analysis and thermodynamic studies
    - *Materials Today: Proceedings* (2019-10-24)
30. Zero order and first Derivative Spectrophotometric Determination of pb (II) by Complex with N, N'-cyclohexane-l, 2-diylidene-bis (4-methaxybenzoythydrazide)(CHMBH)

- *Journal Of Wassit For Science & Medicine* (2018-11-01)

31. Isotherm and pH Effect Studies of Tetracycline Drug Removal from Aqueous Solution Using Cobalt Oxide Surface
- *Al-Nahrain Journal of Science* (2019)

32. Kinetics study of Removal Doxycycline drug from aqueous solution using Aluminum Oxide surface
- *Egyptian Journal of Chemistry* (2019)

33. Synthesis and antibacterial activity of some new derivatives containing thiazole moietyand study of their effects on MAO enzyme activity (invitro)
- *Indian Journal of Public Health Research & Development* (2019)

34. Fourth Derivative and Compensated Area under the Curve Spectrophotometric Methods Used for Analysis Meloxicam in the Local Market Tablet
- *Al-Mustansiriyah Journal of Science* (2018)

35. DEVELOPMENT OF SPECTROPHOTOMETRIC METHOD FOR THE ESTIMATION OF BACLOFEN DRUG
- *INTERNATIONAL RESEARCH JOURNAL OF PHARMACY* (2018)

36. Removal of doxycycline hyclate by adsorption onto cobalt oxide at three different temperatures: isotherm, thermodynamic and error analysis
- *International Journal of Environmental Science and Technology* (2018)

37. Synthesis, Characterization and Anti Microbial Activity of Some New Derivatives Containing Imidazol Moiety
- *Journal of Kufa for Chemical Science* (2018)

38. Two Derivative Spectrophotometric Methods for the Simultaneous Determination of 4-AminoAntipyrine in Presence of Its Acidic Products
- *Ibn AL- Haitham Journal For Pure and Applied Science* (2018-05)

39. Estimation of the Folic Acid Using Zero Order, Area Under Curve and First Derivative Spectrophotometric Methods in Pure and Marketed Tablet Formulations
- *Journal of Al Nahrain University* (2017-09)

40. Spectrophotometric Determination of Doxycycline Hyclate in Pure and Capsule using Diazotization Reaction
- *Almustansiriyah Journal of Science* (2016-08)

41. Metal-Ligand Stability Constants and Thermodynamic Study of Mn(II) and Cd(II) Metal Ion Complexes with the ligand 2-Oxo-2H-Chromene-3-Carbohydrazide
- *Journal of Chemical and Pharmaceutical Sciences* (2017)
- Spectrophotometric Determination Stability Constant by Classical and Modified Varagas Equations for Procaine Penicillin G using Diazotization

Reaction Depending On Stoichiometric Curves. *International Journal of ChemTech Research* (2017)