

Academic Curriculum Vitae



Personal Information:

Full Name: Dr. Rebwar Omar Hassan
Academic Title: Assistant Professor
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Education:

From- To	Degree	College-University	Country
2009 to date	PhD in Analytical Chemistry, Department of Chemistry	College of Science- University of Salahaddin	Iraq
2001-2002	M. Sc. in Analytical Chemistry, Department of Chemistry	College of Science- University of Salahaddin	Iraq
1993-1997	B.Sc. Chemistry, Department of Chemistry,	College of Science- University of Salahaddin	Iraq

Employment:

Assignments and Posts:

From- To	Post	Department -College	University
2015 to date	Assistant Professor	Chemistry Department- College of Science	Salahaddin University
2006 to 2015	Lecturer	Chemistry Department- College of Science	Salahaddin University
2003-2006	Assistant Lecturer	Chemistry Department- College of Science	Salahaddin University
2003-2006	Reporter in Chemistry Department	Chemistry Department- College of Science	Salahaddin University
2003-2006	Member of Examination Committee	Chemistry Department- College of Science	Salahaddin University
2012 to date	Quality Assurance Administrator of College of Science	College of Science	Salahaddin University

2015- 2018	Editorial Board of Zanco Journal of Pure and Applied Science	College of Science	Salahaddin University
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Teaching experience:

1- Teaching Activities

Subject	Stage-College	University
General Chemistry	1st- year students / Medical Analysis Department-Faculty of Science	Tishk International University
Fundamentals of Analytical Chemistry	1st- year students / Chemistry Department-College of Science	Koya University
Separation Techniques	3ed- year students / Chemistry Department-College of Science	Salahaddin University
Analytical Chemistry	2 nd - year students/Chemistry Department	Soran University
Chromatographic Techniques	4th- year students/Chemistry Department	Soran University
introduction to Analytical Chemistry- Volumetric Analysis	1st- year students / Chemistry Department-College of Science	Salahaddin University
Advance Separation Techniques	M.Sc student –Chemistry Department –College of Science	Salahaddin University
Organic Functional Group Analysis	M.Sc student –Chemistry Department –College of Science	Salahaddin University
Analytical Chemistry- Separation Methods	3rd- year students / Chemistry Department-College of Science	Salahaddin University
Environmental Application of Analytical Chemistry	1 st - year students / Environmental-Department- College of Science	Salahaddin University
Analytical Chemistry- Separation Methods-Practical Part	College of Science, University of Salahaddin	Salahaddin University

Research and publications

[Published articles, papers and researches:](#)

1. Separation and determination of Sulfamerazine and Sulfathiazole in Veterinary Drugs by Ion-Pair HPLC. ([Tikrit Journal for Pure Science Vol.\(9\) No.\(2\) 2003](#)).
2. Spectrophotometric Determination of Vitamin B1 (Thiamin Hydrochloride) In Pharmaceutical Preparation by Coupling Reaction with Diazotized Sulfanilic acid. ([Tikrit Journal of Pharmaceutical Science, Vol. \(1\), No \(2\), 2005](#)).
3. Separation and determination of some water soluble vitamins in pharmaceutical preparation by IP RP-HPLC. ([Tikrit Journal of Pharmaceutical Science, Vol. \(1\), No \(1\), 2005](#)).
4. Determination of Contents Levels of Nitrogen Species (Nitrite, Nitrate and Nitrosamine) In Processed Meat Consumed In Erbil City. ([Der Pharma Chemica, Vol. 2, No. 6, 2010, 31](#)).
5. Reverse-flow-injection analysis (FIA) for the determination of vitamin C in pharmaceutical formulation with chemiluminescence detection. ([African Journal of Pure and Applied Chemistry Vol. 5, No. \(11\), 2011, 373](#)).
6. Reverse-FIA with Spectrophotometric Detection Method for Determination of Vitamin C. ([J. Iran. Chem. Soc., Vol. \(8\), No.\(3\), 2011, 662](#)).
7. Indirect Spectrophotometric determination of Cephalexin in pharmaceutical formulations. ([Chemical Science Transection, Vol.\(2\), No \(4\), 2013, 1110](#)).
8. Determination of Nicotinamide by Stopped-Flow Injection method in Pharmaceutical Formulations. ([Arabian Journal of Chemistry, Vol. \(6\), 2013, 393](#)).
9. Reversed Flow injection method for the Spectrophotometric Determination of Cephalexin in Pharmaceutical Products. ([Zanco Journal of pure and Applied Chemistry, Vol.\(25\), No. \(3\), 2013](#)).
10. Spectrophotometric determination of chlorthalidone in pharmaceutical formulations using different order derivative methods. ([Arabian Journal of Chemistry, Vol.10, Supplement 2,\(2017\), S3426-S3433](#)).
11. Reverse-FIA Technique for the Determination of Omeprazole Using Chemiluminescence Detection. ([Zanco Journal of pure and Applied Chemistry, 27 \(4\)\(2015\), 83-92](#)).
12. Simultaneous spectrophotometric determination of thiamine and pyridoxine in multivitamin dosage forms using H-point standard addition and Vierodt's methods. ([Journal of the Iranian Chemical Society, 15\(7\)\(2018\), 1603–1612](#)).
13. Fluorescence immunoassay based on nitrogen doped carbon dots for the detection of human nuclear matrix protein NMP22 as biomarker for early stage diagnosis of bladder cancer. ([Microchemical Journal 157\(2020\), 104966](#)).

14. Use of flow injection analysis with chemiluminescence detection for determination of sunset yellow (E110) in drink samples. ([Journal of the Iranian Chemical Society, 17\(2020\), 1369–1375](#))
15. A highly sensitive fluorescent immunosensor for sensitive detection of nuclear matrix protein 22 as biomarker for early stage diagnosis of bladder cancer†. ([RSC Advances, 10\(2020\), 28865–28871](#))
16. Simultaneous Spectrophotometric Estimation of Atenolol and Amlodipine Besylate in Pharmaceutical Formulations ([Journal of Global Scientific Research 5 \(12\) \(2020\) 1031-1045](#)).
17. A newly synthesized boronic acid-functionalized sulfur-doped carbon dot chemosensor as a molecular probe for glucose sensing ([Microchemical Journal, 163\(2021\), 105919](#))
18. Abbas, S.M., Abood, M.E. and Hassan, R.O., 2022. Synthesis, characterization, and application of external gelation of sodium alginate nanoparticles in molecular imprinting for separation and drug delivery of tenoxicam. ([Chemical Papers \(2022\), pp.1-12](#)).
19. Ahmad, H.A. and Hassan, R.O., 2023. Newly synthesized Fe-doped CDs for colorimetric and fluorometric nanozyme-based levodopa sensing. ([Luminescence, 38\(4\), pp.437-449](#))
20. Othman, H.O., Hassan, R., Faizullah, A. and Ghadiri, M., 2021. A carbon-based fluorescent probe (N-CDs) encapsulated in a zeolite matrix (NaFZ) for ultrasensitive detection of Hg (II) in fish. *Talanta, 234*, p.122646.
21. Hassan, R.O., Othman, H.O., Ali, D.S., Abdullah, F.O. and Darwesh, D.A., 2023. Assessment of the health risk posed by toxic metals in commonly consumed legume brands in Erbil, Iraq. *Journal of Food Composition and Analysis, 120*, p.105282.
22. Hassan, R.O., 2024. Microextraction with smartphone detection of thiocyanate in saliva of tobacco smokers using paper-based analytical method. *Journal of Separation Science, 47(1)*, p.2300596.
23. Othman, H.O., Anwer, E.T., Ali, D.S., Hassan, R.O., Mahmood, E.E., Ahmed, R.A., Muhammad, R.F. and Smaoui, S., 2024. Recent advances in carbon quantum dots for gene delivery: A comprehensive review. *Journal of Cellular Physiology*.
24. Hassan, R.O., Othman Abdullah, F., Salahuddin Ali, D., Omar Othman, H. and Aziz Darwesh, D., 2023. Evaluating the health risks of heavy metal pollution in dust storms in the city of Erbil in the Kurdistan region of Iraq. *International Journal of Environmental Health Research, pp.1-17*.
25. Taha, S.S., Ali, D.S., Hassan, R.O., Othman, H.O. and Smaoui, S., 2023. Colorimetric and fluorescent dual mode detection of Fe (III) ion in blood samples in combination with cloud point extraction. *Microchemical Journal, 195*, p.109390.

Conferences and courses attended

1. .Training courses about application international quality according to (**ISO/ IEC 17025:1999**) in analytical laboratory and quality control laboratory (Syrian Atomic Energy Commission-Damascus, Syria)

2. Chemical Safety and Security Officer Training, **18th -20th June, 2013**, University of Salahaddin, Iraq (Sponsored by the United State Department of State).
3. Organized committee of 6th International Conference and Workshop on Basic and Applied Sciences (6thICOWOBAS, **18th – 19th March 2017**).
4. International workshop on online database and their role in advancing scientific research in higher education, in the **17th and 18th of May 2017**, at College of Science-Salahaddin university-Erbil, Iraq.
5. Organized committee of Nano-Technology and Quantum Computing workshop in the **17th and 18th of April 2019**, at College of Science-Salahaddin university-Erbil, Iraq.
6. Organized committee of Catalysis, Chemometric and Renewable Energy workshop in the **24th and 25th of April 2019**, at College of Science-Salahaddin university-Erbil, Iraq.

Professional memberships

- From 2000 to date member in Kurdistan chemistry syndicate

Professional Social Network Accounts:

ORCID ID: 0000-0001-8885-8295

Academic Profile: <https://academics.su.edu.krd/rebwar.hassan>

LinkedIn: <https://www.linkedin.com/feed/>

Scholar Account: <https://scholar.google.com/citations?user=qAQvXYIAAAAJ&hl=en>

Research gate: <https://www.researchgate.net/>