

Academic Curriculum Vitae



Personal Information:

Full Name: Hijran Sanaan Jabbar

Academic Title: Assistant Professor

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Education:

- 2009 – 2013: (Ph.D. in Analytical Chemistry). Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- 2004 – 2007: (M.Sc. in Analytical Chemistry). Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- 1997 – 2002: (B.Sc. in Chemistry). Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.

Employment:

- 2018 Assistant Professor of Analytical Chemistry, Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- 2014 Lecturer of Analytical Chemistry, Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- 2007 Assist. Lecturer of Analytical Chemistry, Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- 2002 Demonstrator, Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.
- A teaching staff member in the Department of Chemistry, College of Science, University of Salahaddin, Erbil / Iraq.

Teaching experience:

- Principles of Analytical Chemistry (Theory and Practical), 1st year undergraduate level.
- Instrumental Analysis (Theory and Practical), 4th year undergraduate level.
- General Chemistry (Theory and Practical), 1st year undergraduate level.
- Food Chemistry (Theory and Practical), 4th year undergraduate level.
- Food Analysis (Theory and Practical), 4th year undergraduate level.
- Separation Methods (Theory), 3rd year undergraduate level.

- Molecular Spectroscopy, PhD. Students Course.
- Automated Methods of Analysis, M.Sc. Students Course.
- Advanced Instrumental Analysis. M.Sc. Students Course.
- Organic Functional Group Analysis, M.Sc. Students Course.
- Data Interpretation in Analytical Chemistry, M.Sc. Students Course.
- Computer Science, M.Sc. Students Course, M.Sc. Students Course.

Research and Publications:

- 1- **Hijran Sanaan Jabbar** and Azad Tawfiq Faizullah; (2013), **Extraction, Preconcentration and Spectrophotometric Determination of Ethylene Glycol in Antifreeze Samples**; American Chemical Science Journal 3 (3), 338-355. (DOI: 10.9734/ACSJ/2013/3675) (http://www.journalrepository.org/media/journals/ACSJ_16/2013/Jun/1371789104-Jabbar332013ACSj3675.pdf)
- 2- **Hijran Sanaan Jabbar** and Azad Tawfiq Faizullah; (2013), **A Novel Chemiluminescence Assay of Ethylene Glycol in Antifreeze Samples using FIA with Merging Zone Principle**; British Journal of Applied Science & Technology 3 (4), 1414-1429. (DOI: 10.9734/BJAST/2014/4709) (http://www.journalrepository.org/media/journals/BJAST_5/2013/Sep/Jabbar342013BJAST4709.pdf)
- 3- **Hijran Sanaan Jabbar** and Azad Tawfiq Faizullah; (2015), **Flow Injection Analysis with Chemiluminescence Detection for Determination of Two Phenothiazines**; International Journal of Pharma Sciences and Research 6 (3), 474-481. (<http://www.ijpsr.info/docs/IJPSR15-06-03-058.pdf>)
- 4- **Hijran Sanaan Jabbar** and Azad Tawfiq Faizullah; (2015), **Reverse Flow Injection-Spectrophotometric Determination of Ethylene Glycol in Antifreeze Solutions via Periodate-o-Tolidine Reaction**; International Research Journal of Pure & Applied Chemistry 6 (1), 31-45. (DOI : 10.9734/IRJPAC/2015/6440) (http://www.journalrepository.org/media/journals/IRJPAC_7/2014/Dec/Jabbar612013IRJPAC6440_1.pdf)
- 5- **Hijran Sanaan Jabbar**; (2016), **Flow Injection Chemiluminescence Determination of Acetylsalicylic Acid in Pharmaceutical Formulations**; Journal University of Zakho 4A (1), 94-103. (DOI: <https://doi.org/10.25271/2016.4.1.28>) (<http://sjuoz.uoz.edu.krd/index.php/sci/article/download/28/14/>)
- 6- **Hijran Sanaan Jabbar**; (2017), **Flow Injection Determination of Diclofenac Sodium in Pharmaceutical Formulations Based on its Inhibiting Effect on the Chemiluminescent Reaction of Basic Permanganate-Luminol**; ZANCO Journal of Pure and Applied Sciences ZJPAS 29 (1), 11-22. (DOI: <http://dx.doi.org/10.21271/zjpas.29.1.3>) (<http://zancojournals.su.edu.krd/index.php/IPAS/article/download/756/809>)
- 7- **Hijran Sanaan Jabbar** and Hazha Omar Othman; (2017), **Batch and Flow Injection Spectrophotometric Determination of Nitrite and Nitrate in Wastewater Samples of Erbil City**; Indo American Journal of Pharmaceutical Sciences IAJPS 4 (09), 3254-3263. (DOI: <http://doi.org/10.5281/zenodo.995999>)
- 8- O. H. Rebwar, Y. M. Hunar and **Hijran Sanaan Jabbar**; (2018), **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, 1603-1612. (DOI: <https://doi.org/10.1007/s13738-018-1358-3>)
- 9- Nigar Abdulkareem Omar, and **Hijran Sanaan Jabbar**; (2022), **NiFe₂O₄ Nanoparticles as Nanozymes, a New Colorimetric Probe for 2,4-Dichlorophenoxyacetic Acid Herbicide Detection**; Inorganic Chemistry Communications 146, 110104. (DOI: <https://doi.org/10.1016/j.inoche.2022.110104>)
- 10- Lazhin Ibrahim Hasan, **Hijran Sanaan Jabbar**; (2023), **Silver nanoparticles application as a colorimetric probe for the spectrophotometric determination of hyoscyne**

- butylbromide in pharmaceutical formulations; Journal of AOAC INTERNATIONAL 106 (2), 285-295. (DOI: <https://doi.org/10.1093/jaoacint/qsac133>)
- 11-Lazhin Ibrahim Hassan, **Hijran Sanaan Jabbar**; (2023), **Batch and Reverse-Flow Injection Spectrophotometric Determination of Hyoscine Butylbromide in Pharmaceutical Formulations**; Chemical Review and Letters 6 (2), 105-113. (DOI: [10.22034/CRL.2023.363445.1182](https://doi.org/10.22034/CRL.2023.363445.1182))
 - 12-Lawen Abdulsatar Esmail, and **Hijran Sanaan Jabbar**; (2023), **Violuric Acid Carbon Dots as a Highly Fluorescence Probe for Ultrasensitive Determination of Zn (II) in Tomato Paste**; Food Chemistry 413, 135638. (DOI: <https://doi.org/10.1016/j.foodchem.2023.135638>)
 - 13-Kalinaki Hanifar, Yasir Q Almajidi, **Hijran Sanaan Jabbar**, Andrés Alexis Ramírez-Coronel, Farag MA Altalbawy, Abbas F Almulla, Abduladheem Turki Jalil, Sameer A Awad, Luis Andres Barboza-Arenas; (2023), **An environmental-friendly procedure based on deep eutectic solvent for extraction and determination of toxic elements in fish species from different regions of Iraq**; Journal of Food Protection 86 (7), 100102. (<https://doi.org/10.1016/j.jfp.2023.100102>)
 - 14-Lawen Abdulsatar Esmail, **Hijran Sanaan Jabbar**; (2023), **Ultra small carbon dots from Crocus cancellatus as a highly fluorescence probe for synthetic Ponceau 4R dye sensing in food samples**; Diamond & Related Materials 139, 110334. (<https://doi.org/10.1016/j.diamond.2023.110334>)
 - 15-**Hijran Sanaan Jabbar**; (2024), **Paper-based analytical device for sensitive colorimetric determination of sulfonamides in pharmaceutical samples**; Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 304, 123336. (DOI: <https://doi.org/10.1016/j.saa.2023.123336>)
 - 16-Lawen Abdulsatar Esmail, **Hijran Sanaan Jabbar**; (2023), **Encapsulation of amaranth CDs at ZIF-7 MOFs as a novel adsorbent for ultrasonic-assisted dispersive nano-solid-phase microextraction and ultrasensitive determination of allura red in food samples**; Microchemical Journal 195, 109474. (DOI: <https://doi.org/10.1016/j.microc.2023.109474>)
 - 17-Hazha Omar Othman, Nigar Abdulkareem Omar, and **Hijran Sanaan Jabbar**; (2023), **CaO Nanozyme from Environmentally Friendly Waste as a Colorimetric Probe for Selective Determination of 2d,4-Dichlorophenoxyacetic Acid Herbicide in Water and Soil Samples**; Journal of Inorganic and Organometallic Polymers and Materials. (DOI: <https://doi.org/10.1007/s10904-023-02906-3>)

International Conferences:

- 1- 5th International Congress of Chemistry and Environment (5 th ICCE 2011). 27-29 May 2011, Port Dickson, Malaysia.
- 2- Determination of Pyridoxine and Paracetamol Using Flow Injection - Chemiluminescence System with Merging Zone Principle. 1st International Conference of Chemical, Environment and Energy (ICCEE-2012). 21-23 September 2012, Kuala Lumpur, Malaysia.
- 3- Flow Injection Spectrophotometric Determination of Thiamine Hydrochloride in Pharmaceutical Formulations. The 5th International Conference and Workshop on Basic and Applied Sciences (5th ICOWOBAS). 16-17 October 2015, University of Airlangga, Surabaya, Indonesia.
- 4- Hazha Omar Othman and Hijran Sanaan Jabbar; Determination of Ranitidine in Pharmaceutical Formulations Using Spectrophotometric Method. International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS) 2017; March 18th -19th 2017, Erbil-KRG-Iraq.

Supervision of Master Science Students:

- 1) **Nigar Abdulkareem Omar**, November 2022
Thesis Title: NiFe₂O₄ and CaO Nanozymes as New Colorimetric Probes for Determination of 2,4-Dichlorophenoxyacetic Acid Herbicide
- 2) **Lazhin Ibrahim Hasan**, February 2023
Thesis Title: Spectrophotometric Determination of Hyoscine Butylbromide in Pharmaceuticals Using Ag-NPs and Ferric-Thiocyanate Reagents

Supervision of Ph. D. Students:

- 1) **Lawen Abdulsatar Esmail**, October 2023
Dissertation Title: Synthesis and Application of New Nanomaterials in Food Analysis and Photocatalytic Degradation Using Fluorescence and Spectrophotometry