

Curriculum Vitae

Asst. Prof. Dr. Nidhal Meena Sher Mohammed

Born in 1969 in Baghdad/ Iraq

Contact

University of Duhok, College of Pharmacy, Medicinal Chemistry, Duhok city- Kurdistan region/ Iraq



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<https://scholar.google.com/citations?user=K-hgRIsAAAAJ&hl=en>

<https://publons.com/researcher/3698246/nidhal-sher-mohammed/>

Education

2012- PhD in Instrumental analysis/ Analytical Chemistry, University of Glasgow/ UK.

2003- MSc in Analytical chemistry, University of Baghdad/ Iraq.

1991- BSc in Chemistry, University of Baghdad/ Iraq.

Employment

Currently, Asst. Prof., College of Pharmacy, Medicinal Chemistry, University of Duhok / Iraq

2012- 2022: Lecturer at department of chemistry, faculty of science, university of Zakho, Iraq.

2008 – 2012: PhD candidate at school of chemistry, University of Glasgow, UK.

2003 – 2008: Lecturer at department of chemistry, faculty of science, university of Duhok, Kurdistan region/ Iraq.

2000 – 2003: MSc. candidate at Department of Chemistry, University of Baghdad, Iraq.

1992 – 2000: Ministry of education, Baghdad/ Iraq.

Skills

Kurdish Language (mother tongue)

English Language good

Arabic Language good

Currently Teaching Courses

Advance spectroscopy (PhD students).

Separation methods and chromatography (PhD & Master students).

Instrumental Analysis (4th year undergraduate and Master students).

Fundamental analytical chemistry (1st year undergraduate).

Research Interests

- Development and validation analytical methods of pharmaceutical drugs and pesticides by HPLC.
- Development and validation analytical methods of pharmaceutical drugs by spectroscopy.
- Adsorption
- Separation methods.
- Potato storage chemicals.
- Water and air pollution.
- Nanomaterials synthesis

Current Researches

- Development and validation analytical methods of pharmaceutical drugs by HPLC and spectroscopy.
- Green synthesis of nanoparticles from plants.
- Adsorption of heavy metals on solid waste materials using spectroscopy and atomic absorption.

Current Committees

- Membership in a scientific rank committee at UOZ.
- Editorial membership of SJUOZ
- Membership in a scientific committee at the chemistry department/ faculty of science/ UOZ.
- Membership in a higher education committee at the chemistry department/ faculty of science/ UOZ.
- Membership in a guidance and social committee at the chemistry department/ faculty of science/ UOZ

Membership (2008-2013)

- Society of Chemical Industry (SCI), London, UK.
- The Royal Society of Chemistry (RSC), London, UK.
- Association of Applied Biologist (AAB), UK.

Colloquia Attended

1. PerkinElmer analytical science workshops (liquid chromatography development, gas chromatography & GC/MS, and elemental analysis, 2008, Scotland, UK.
2. First Scottish postgraduate symposium on environmental analytical chemistry, poster presentation, 2008, University of Glasgow, UK.
3. Analytical science workshops of Waters Scottish New Technology Showcase (chromatographic technique) 2009, Edinburgh, Scotland/UK.
4. Second Scottish Postgraduate Symposium on Environmental Analytical Chemistry (oral presentation), December 2009, Sponsored by Royal Society of Chemistry, Analytical Division, Scottish Region/UK.
5. International potato processing and storage Convention, June 2010, Edinburgh, Scotland, UK.
6. 16th International Reinhardsbrunn Symposium, Modern Fungicides and Antifungal Compounds VI, poster presentation, April 25 – 29, 2010 Friedrichroda, Germany.
7. Third Scottish Postgraduate Symposium on Environmental Analytical Chemistry, poster presentation, December 2010 Sponsored by Royal Society of Chemistry, Analytical Division, Scottish Region Royal Society of Chemistry, Glasgow and West of Scotland Section/UK.
8. Workshop of Interactions of pesticide application and formulation on residues in fruit and vegetables, poster presentation, sponsored by Association of Applied Biologists, February 2011, Syngenta, Jealott's Hill, Berks, UK.
9. The first conference to honour the graduating students sponsored by ministry of higher education in Iraq, October 2013, University of Baghdad, Iraq.
10. Workshop on e-Learning system design: Teacher-student websites, 16-17, September, 2013, University of Zakho, Kurdistan region-Iraq.

11. Teaching and Learning Approaches Workshop, November, 2014, English Language Department/ Faculty of Humanities, University of Zakho, Kurdistan region-Iraq.
12. The First International SQU Chemistry Conference organized by the Department of Chemistry of the College of Science at SQU, Sultanate of Oman, from 10th till 12th of November 2015, participated in a poster presentation entitled : Spectrophotometric Determination of Sulfamethoxazole via Schiff's Base Reaction Using Vanillin Reagent.
13. Workshop in safety organized by chemistry department, faculty of science , university of Zakho, 30 November- 13 December 2017.
14. The 2nd International Scientific Conference organized by University Of Zakho, Kurdistan region/Iraq, April 18th – 20th, 2017, participated in a research paper entitled: Adsorption of Cr(VI) from Aqueous Solutions using Powder of Potato Peels as a Solid Waste.
15. The 1st International Conference on materials engineering & science (IConMEAS 2018) organized by Istanbul Aydin university, Turkey August 8– 9, 2018.,
16. International Conference on Advanced Science and Engineering 2018 (ICOASE2018) sponsored by IEEE Iraq Section. The conference is jointly organized by the University of Zakho and Duhok Polytechnic University, 10-11 October 2018. Participated as conference committee member.
17. 2nd International Conference on Advanced Science and Engineering 2018 (ICOASE2019) sponsored by IEEE Iraq Section. The conference is jointly organized by the University of Zakho and Duhok Polytechnic University, 2-4 April 2019. Participated as conference committee member.
18. The 4th International Conference on materials engineering & science (IConMEAS 2021) University of Duhok, Kurdistan, October 6– 7, 2021.

Publication

1. Sameera Sh. Mohammed Ameen , Nidhal M. Sher Mohammed, Khalid M. Omer "Ultra-small highly fluorescent zinc-based metal organic framework nanodots for ratiometric visual sensing of tetracycline based on aggregation induced emission," Talanta, Vol. 254, 124178, 2023.

2. Nidhal M. Sher Mohammed, Hassan. R. Abdo and Hassan. M. Hassan "Assessment physic-chemical quality of drinking water of Bardarash district/Duhokcity in Kurdistan Region of Iraq", AIP Conference Proceedings , Vol. 2660, no.1 , 020069 (2022) ;<https://doi.org/10.1063/5.0107913>.
3. Ewan N. Yonan, Nidhal M. Sher Mohammed & Amin K. Qasim "Green synthesis and characterisation of monometallic (Ni) and bimetallic (Ni-Ag) nanoparticles using Cicer Arietinum leaf extract and their applications for adsorption of toluidine blue," International Journal of Environmental Analytical Chemistry, 2022, DOI: [10.1080/03067319.2022.2118594](https://doi.org/10.1080/03067319.2022.2118594).
4. Ramya D. Isho, Nidhal M. Sher Mohammed, Khalid M. Omer "Enhancing enzymatic activity of Mn@Co3O4 nanosheets as mimetic nanozyme for colorimetric assay of ascorbic acid," Analytical Biochemistry, Vol. 654, 114818, 2022.
5. Sameera Sh. Mohammed Ameen, Nidhal M. Sher Mohammed, Khalid M. Omer "Visual monitoring of silver ions and cysteine using bi-ligand Eu-based metal organic framework as a reference signal: Color tonality," Microchemical Journal, Vol. 181, 107721, 2022.
6. Faroq Omer Qasim and Nidhal Meena Sher Mohammed "A Nanodrop Spectrophotometric Method and Stability Indicating for Determination of Amlodipine Besylate in Pharmaceutical Formulations of Kurdistan of Iraq," Journal of Zakho, Vol. 9, No. 1, pp. 25–29 March-2021.
7. Nidhal Sher Mohammed, Theia'a N. Al-Sabha and Payman Abdul-Jabar "Development Method for Spectrophotometric Analysis of Sulfamethoxazole Using Vanilline Reagent," Asian Journal of Applied Chemistry Research 6(2): 41-49, 2020.
8. Akram Ali Haji and Nidhal M. Sher Mohammed "Optimization Of Arsenic Adsorption Onto Activated Carbon Of Potato Peel Using Response Surface Methodology," Journal of Zakho, Vol. 7, No. 2, pp. 37–44, June.-2019.
9. Nidhal S. Mohammed, Hasan R. Abdo and Hassan M. Hassan "Method Development And Validation Of Simultaneous Determination Of Hydrochlorothiazide And Losartan In Tablet Dosage Form BY RP-HPLC" International Journal of Pharmaceutical Sciences and Research, 2019; Vol. 10(1): 127-231 E-ISSN: 0975-8232; P-ISSN: 2320-5148.
10. Nidhal S. Mohammed "Method Development And Validation Of Atenolol

- Using Two HPLC Systems” International Journal of Pharmaceutical Sciences and Research, 2017; Vol. 8(6): 1000-06 E-ISSN: 0975-8232; P-ISSN: 2320-5148.
11. Nidhal M. Sher Mohammed and Haydar A. Mohammad Salim “Adsorption of Cr(VI) from Aqueous Solutions using Powder of Potato Peels as a Solid Waste,” Journal of Zakho, Vol.5, No. 3, 2017.
 12. Nidhal S. Mohammed and Ahmed J. Mohammed “Development and Validation of RP-HPLC Method for the Determination of Hydrochlorothiazide in Bulk Drug and Pharmaceutical Dosage Form,” Chromatography Research International, vol. 2016, Article ID 1693024, 7 pages, <http://dx.doi.org/10.1155/2016/1693024>.
 13. Nidhal S. Mohammed, T. H. Flowers, and H. J. Duncan, “Adsorption of 3-Chloroaniline on Potato Skin in Aqueous Solution,” Indian Journal of Materials Science, vol. 2016, Article ID 1972395, 7 pages, 2016. doi:10.1155/2016/1972395.
 14. T. N. Al-Sabha, Nidhal M. S. Mohammed, and Payman A. Abdul-Jabar, “Spectrophotometric Determination Of Oxymetazoline Hydrochloride Via Charge Transfer Reaction Using 2,3-Dichloro-5,6-Dicyano- 1,4-Benzoquinone (DDQ) Reagent,” European Chemical Bulletin, Vol. 4, issue 8, 2015, 372-377.
 15. Nidhal. S. Mohammed, T. H. Flowers, and H. J. Duncan, “ HPLC-UV Method for the Analysis of Potato Sprout Inhibitor Chlorpropham and Its Metabolite 3-Chloroaniline in Potatoes,” IOSR Journal of Environmental Science, Toxicology and Food Technology, Volume 9, Issue 4 Ver. I (Apr. 2015), PP 78-85.
 16. Nidhal. S. Mohammed, T. H. Flowers, and H. J. Duncan, “Development and Validation of an HPLC Method for the Analysis of Chlorpropham and 3-Chloroaniline in Potato Extracts,” Chromatography Research International, vol. 2014, Article ID 108694, 5 pages, 2014. doi:10.1155/2014/108694.
 17. Nidhal S. Mohammed, T. H. Flowers, and H. J. Duncan, “HPLC-UV Method Development and Validation of Potato Sprout Inhibitor 1,4-Dimethylnaphthalene Using Different Systems,” Chromatography Research International, vol. 2014, Article ID 467485, 6 pages, 2014. doi:10.1155/2014/467485
 18. Sher Mohammed, Nidhal Meena (2012) Extraction And HPLC Analysis Of Potato Sprout Suppressant Chemicals. Phd Thesis. (<http://theses.gla.ac.uk/3454/1/2012SherMohammedPhD.pdf>).

19. Mohammed, N. S., Flowers, T. H. & Duncan, H. J. (2011) Determination of the potato sprout inhibitor chlorpropham and its metabolite 3-chloroaniline in potatoes samples. In: Modern Fungicides and Antifungal Compounds VI: Proceedings 16th International Reinhardsbrunn Symposium on Modern Fungicides and Antifungal Compounds. H. W. Dehne, H. B. Deising, U. Gisi, K. H. Kuck, P. E. Russell & H. Lyr, (eds.), 297-300. Deutsche Phytomedizinische Gesellschaft, Braunschweig.

