

Curriculum Vita (C.V.)

Name: Dr. Khalidah Salih Merzah

Scientific Degree: Assistant Professor

Place of birth: Iraq/ Baghdad

Date of Birth: April, 9th, 1962

Nationality: Iraqi

Languages: Arabic & English

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Academic background:

Qualification	Institution	Date
B.Sc.: Chemistry	College of Science/ Baghdad University	1984-1985
M.Sc.: Biochemistry	University of Technology	2003
PhD: Biochemistry	Collage Science for women/ Baghdad University	2009

Professional background:

Position	Organization/Institution	Date
Chemist / Research and development	Iraqi Atomic Energy Commission/ Radiopharmaceutical Department.	1985
Head of the production of pharmaceutical kits/ Researcher	Ministry of Science and Technology/ Pharmaceutical Department.	2003
Instructor of Biochemistry and researcher	Faculty of Science, Wasit University	2010
Head of Biochemistry Dep.	College of Medicine/ Wasit University.	2011
Assistant Professor in Clinical Biochemistry/ teaching Biochemistry and Clinical biochemistry	College of Medicine/ Wasit University.	2014
Head of Medical Lab. Techniques Dep.	Osol Aldean University College	2016-2022

Scientific activities:

- 1. Contributed to the activities of the International Atomic Energy Agency by participating in training courses inside and outside the country and participate to give lectures in the training course held by the Arabic Organization for Atomic Energy in Baghdad.**
- 2. Gave scientific lectures in radiopharmacy, biochemistry, clinical chemistry, and nanotechnology applications in the diagnosis and treatment of cancer.**
- 3. Participated in many scientific conferences held inside and outside Iraq.**
- 4. Assistant professor of (biochemistry) Department of medical Chemistry / College of Medicine in addition to overseeing the laboratory experiments and completion of research in the field of nanotechnology.**
- 5. Author of nanotechnology and future prospects (principle book)**
- 6. I got a patent in preparation of freeze-dried kid from sodium citrate labeled with TC-99m used as kidney functional agent.**
- 7. A fellow for the 2014 Iraq Science Fellowship Program (ISFP IV) / Georgia state university/USA.**
- 8. Participation in a seminar by a lecture in the title (the Biorisk Management Awareness Raising)**
- 9. Participation in a seminar by a lecture in the title (Diagnosis and Prevention Seminar).**
- 10. Participation in a Course by a lecture in the title (Chemical Safety and Security).**

Membership in Scientific Societies:

- Head of Iraqi clinical biochemistry society.**
- Member of International Society for Applied Life Sciences (ISALS).**
- Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society APCBEES.**
- Member of Royal Society of Chemistry 2014.**

- Member of the Organization for Women in Science for the Developing World.
- Member of Iraqi nanotechnology society.

Participation in the international conferences:

1. Participated in the 2nd International Conference on Nanotechnology and Biosensors - ICNB 2011, Dubai, UAE, December 28-30, 2011.
2. Participated in the International Conference ICNBS Egypt 2012: Tools of success in the coming era” 1-3- 2012, Cairo-Egypt.
3. Participation in the 11th Scientific Conference of the Arab Atomic Energy Agency, which was held in Sudan for the period from 23-27 / 12/2012
4. Participation in the 2014 4th International Conference on Biomedical Engineering and Technology (ICBET 2014) (Round III) /Malaysia.
5. Attend a conference of Challenges in nanotechnology 2014, California/ USA
6. Participated in the meeting of the Union of Arab Chemists as a representative member of Iraq in addition to participating in the conference of Arab chemists held in March 2017 in UAE.
7. Participated in the meeting of the Union of Arab Chemists as a representative member of Iraq in addition to participating in the conference of Arab chemists held in March 2018 in Kuwait.
8. •Participated in the Egyptian fourth international conference 11-14 December 2018.
9. Participated in the 2nd international scientific conference (ISC 2019) University of Al-Qadisiyah.
10. President of the first scientific conference of the Iraqi Society of Clinical Biochemistry 2019
11. President of the second scientific conference of the Iraqi Society of Clinical Biochemistry 2021.

Publications :

- Labeling and organ distribution characteristics of Tc-99m galacturonic complex using dithionite as reducing agent/Iraqi Journal of Chemistry Vol. 26, No.3, 2000

- **Labelling Study of Phosphite compound with Tc-99m and the Biodistribution of labeled complex /IBN-AL-HAITHAM J. for Pure and Appl. Sci Vol.14, No 1, 2001.**
- **Radioanalytical and Biological Properties of Tc-99m (IV) DMSA & Tc-99m (V) DMSA complex. /Sci. J. Iraqi Atomic Energy Commission Vol.3, No. 1, 2001.**
- **Labeling Study of Galacturonic acid with Tc-99m and Investigation of the Biokinetic Behaviour in experimental animals./IBN-AL-HAITHAM J. for Pure & Appl. Sci. Vol. 15, No. 3, 2002.**
- **Labelling Study of Sodium Citrate with Tc-99m and the Biological Behaviour of the Labelled complex as kidney functional agent./ AJPS Journal Vol.13, No.1, 2013.**
- **Preparation and Biodistribution of New Formulation Tin-colloid Freeze-dried Kit (Second generation)/The Iraqi Journal of Science and Technology Vol.1, No.1, 2004; 115-119.**
- **Preparation of Freeze-Dried Kit of Sodium Citrate Labeled with Technetium-99m as a new Kidney Functional Agent. (patent), 2013.**
- **Comparative Study of Lactate Dehydrogenase, Alkaline Phosphatase and Immunoglobulins in Serum and Saliva of Acute Leukemia and Oral Squamous Cell Carcinoma Patients, 2010, Iraqi Journal of Science, Vol.51, No.2, PP.262-270**
- **Labeling of HES with Tc -99m and used in the diagnosis of inflammation and ulcers in laboratory animals, 2011, Al-Yarmouk college conference, Iraq.**
- **Comparative Study on Methods for Preparation of Gold Nanoparticles, 2012, Green and Sustainable Chemistry, Vol. 2 No. 1, pp. 26-28.**
- **Determination of the reducing agent (stannous chloride) concentrations in the diagnostic pharmaceutical kits by spectrophotometric method/ Conference/ Wasit University.**
- **Spectroscopic studies on gold nanoparticles solutions. Conference/ Wasit University.**
- **The Relationship between Lipid Profile and Testosterone in Iraqi Acne Vulgaris, 2015, Journal of Basic Education College, Vol. 19, No. 80. Pp.773-778.**

- The biochemical changes in patients with chronic renal failure, 2015, International Journal of pharma medicine, Vol.4, No. 1,pp. 75-79.
- Effect of Foliar Spray of Nano Silver and Organic Fertilizer (Algastar) and Salicylic Acid on Some Morphological Characteristics and Carbohydrate Content in (*Helianthus annuus* L.) *Journal of Agriculture and Ecology Research International* 9 (3): 1-7, 2016; Article no. JAERI.25694
- Association of Amylase activity with some biochemical variables in uncontrolled type 1 Iraqi diabetic patients, *Biochem. Cell. Arch.* Vol. 20, No. 1, pp. 2769-2773, 2020
- The storage time and temperatures affect the stability of some biochemical variables in sera samples, *Annals of Tropical Medicine & Public Health*, Vo.24, Issue 2021.
- Propylthiouracil drug adsorption on pristine, Cu, Ag, and Au decorated AIP nanosheets, *Physics Letters A* 444 (2022) 128236.
- The Association between Uric acid level and hematological parameters in Tuberculosis patients. *Materials Today: Proceedings*, 2021
- Biochemical markers level in Iraqi renal failure patients on Hemodialysis, *Latin American Journal of Pharmacy*, 2023

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