

PROFESSIONAL DETAILS



Fullname Falah Mohammed Fakhri

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Phone 07503640473

Gender male

Birth Date 1975-01-01

Address Iraq - Duhok

Nationality Iraqi-Kurdish

-
- [Bardarash Technical Institute](#)
 - [Nursing](#)

LANGUAGE

- **English** (Proficient)
- **Kurdish** (Native)
- **Arabic** (Proficient)

SPECIALTIES

Inorganic Chemistry-Chemistry

TEACHING MATERIAL

1-Biochemistry 2-Pharmacology 3-Nutration

SOCIAL LINKS

[Gmail](#) [Yahoo](#)

EDUCATION

Dec, 2012

Master

Inorganic

University of Mosul

Oct, 1998

Bachelor's degree, College of Science

Chemistry

University of Mosul

TITLE

Mar, 2021

Lecturer

PROFESSIONAL EXPERIENCE

Jan, 2011 - Jul, 2011

laboratory of blood analysis

Mosul

Msarff

My practical experience in the field of blood analysis laboratories outside of the university

INTEREST

Sport: Swimming, running, reading, research

PUBLICATION JOURNAL

Apr, 2020

International Journal of Psychosocial Rehabilitation (Issue: 10) (Volume: 24)

Abstract The main goal of this paper is a green synthesis of zinc oxide nanoparticles with extracts of *Prosopis fracta* (growing in the Iraqi Kurdistan region) using two solvents, first with water (Zn-NPs-W) and second with methanol (Zn-NPs-M). The prepared nanoparticles characterizations were confirmed by UV-Vis absorption spectrophotometry; Fourier transforms infrared spectroscopy (FT-IR); scanning electron microscopy (SEM); X-ray Diffraction (XRD); and Transmission Electron Microscopy (TEM), in order to determine which solvent is more favorable in terms of particle size, particle agglomeration, and particle separation. The particle size of Zn-NPs-W was found to be 25 nm with a rod shape, while Zn-NPs-M had a particle size of 35 nm which is a wide range and gives a deformed rod shape. Further, it has been shown after testing the antibacterial activity of the two different sizes of the Zn-NPs (25, 35) nm against both gram-positive bacteria such as micrococcus species (*M. species*) *Staphylo epidermidis* (*S.epidermidis*); gram-negative such as *Acinetobacter baumannii* (*A. baumannii*), *Pseudomonas aeruinososa* (*P. aeruinososa*), and yeast *Candida Albicans* (*C.albicans*), with a different effect on bacteria. The most critical advantages of this process are the environmentally friendly and fast synthesis for both Zn-NPs-W and ZnNPs-M.

Dec, 2019

[Preparation and Characterization of some Transition Metal Complexes with Two Mixed Ligands Macrocyclic and Ligands PPh3](#)

Rafidain Journal of Science (Issue: 4) (Volume: 28)

A new ligand (3,4,6,14,15,17,23,24-octaazatricyclo [17.3.1.18,12] tetracos-1(23),8(24),9,11, 19, 21- hexaene - 2,5,7,13,16,18 – hexaone), (CHT) was been prepared from the reaction of pyridine-2,6-dicarboxylic acid with semicarbazide using microwave irradiation in solid state. The ligand is reacted with some transition metal(II) ions to form complexes of the type $[Co(CHT)Cl_2]$, $[Fe(CHT)Cl]Cl$ and $[M(CHT)Cl_2]$ where (M=Mn(II), Ni(II), Cu(II) and Zn(II)). Complexes of the type $[Ni(CHT)(PPh_3)]Cl_2$ and $[M(CHT)(PPh_3)Cl]Cl$ where (M=Mn(II), Fe(II), Co(II), Cu(II) and Zn(II)), were prepared by the reaction of the above complexes with triphenylphosphine(PPh₃) in a 1:1 molar ratio. All the complexes were characterized by (C,H,N) analysis, metal content analysis, molar conductance, magnetic moment measurements, electronic and IR spectroscopy, as well as the ligand was characterized by ¹H,¹³C -NMR. The electronic spectra and magnetic measurements indicate that the complexes have octahedral environment around the metal ions, except cobalt complex have square planer geometry.

Mar, 2013

Rafidain Journal of Science, (Issue: 5) (Volume: 24)

In this research, a new ligand 3,4,6,13,14,16-hexaazatricyclo [16,2,2,28,11] tetracosane- 2,5,7,12,15,17-hexaone), (DHC) was prepared from the reaction of cyclohexane-1,4-dicarboxylic acid with semicarbazide using microwave irradiation in solid state. Then, it was reacted with some transition metal(II) ions to form complexes of the type $[M(DHC)Cl_2]$, $[M(DHC)]Cl_2$, where $M = Mn(II)$, $Fe(II)$, $Co(II)$, $Ni(II)$, $Cu(II)$ and $Zn(II)$. Adducts of the type $[M(DHC)(PPh_3)Cl]Cl$ and $[M(DHC)(PPh_3)]Cl_2$, were prepared by the reaction of the above complexes with triphenylphosphine in a 1:1 molar ratio. The prepared complexes and adducts were characterized by (C,H,N) analysis, metal content analysis, molar conductance, magnetic moment measurements, electronic and IR spectroscopy, as well as the ligand was characterized by $^1H, ^{13}C$ -NMR spectroscopy. The electronic spectra and magnetic measurements indicate that the complexes have octahedral environment around the metal ions.

CONFERENCE

Jan, 2018 - Oct, 2018

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Iraq, Mosul University, College of Science As Presenter

The third scientific conference on chemistry

Jan, 2013 - Jan, 2013

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Iraq, Mosul University, College of Science As Presenter

The second scientific conference Chemistry