Ministry of Higher Education
And Scientific Research
University of Diyala
College of Science

Curriculum vitae

Full Name	Dr . Jinan Mohammed Mahmood		
Date of Birth	4 / 7 1977		
Social Status	Married		
E-mail	jinan.mohammed@uodiyala.edu.iq		
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Academic Achievement	PhD Date 11 / 9 / 2019		
The scientific Title	Lecturer in 1 / 7 / 2010		
Scientific Department	Chemistry		
BSC	University of Baghdad / College of education for pure science Ibn- Al-Haitham	Year	1999
Masters	University of Baghdad / College of education for pure science Ibn- Al-Haitham	Year	2002
PhD	University of Baghdad / College of education for pure science Ibn- Al-Haitham	Year	2019
Workplace	University of Diyala / College of science / Chemistry department		
Research areas	Synthesis and characterization of complexes / Inorganic Chemistry		
Research's	Synthesis, Characterization And Microbial Efficiency Of Azo Dye Ligand Complexes With Some Metal Ions.		
	Synthesis, Characterization and Microbial Evaluation of Heterocyclic Azo Dye Ligand Complexes of Some Transition Metal(II) Ions**.**		
	Synthesis, Spectral Studies and Microbial Evaluation of Azo Dye Ligand Complexes with Some Transition Metals.		
	Effect of aqueous, alcoholic and acidic extract of rosemary leaves Rosmarinus officinalis in inhibiting the effect of free radicals manufactured and inhibitory effect in some microorganisms and detection of some active compounds.		
Scientific expertise	Atomic electronic structure		

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	– Origin of quantum theory – Electromagnetic radiation – Radiation of black body – Atomic spectra – photon effect – Energy levels of atoms – Tearm symbols
	Periodic properties of elements – shelding or screening – ionization energy, electron – affinity, electronegativity – Atomic and ionic size
	Ionic compounds – Properties of ionic compound – Crystal lattice energy – Polarity and polarization – Solubility of ionic compound – ionic structures of some – inorganic compounds
	Covalent compound – Properties of Covalent compound – Overlapping – Symmetry of molecular orbitals (σ, π) in diatomic molecule – Hyberidization – valence –shell electron- pair repulsion theory – valence bond theory
	Hydrogen – General properties – Hydrogen isotopes – Hydrogen compounds
	Alkali metals (IA) – General properties – Reactions of these elements
	Earth alkaline metals (IIA) – General properties – Reactions of these elements
	Boron group (III)
	Carbon group (IVB)