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



## Curriculum vitae

Date of Birth       4 / 7 1977         Social Status       Married         E-mail       iinan.mohammed@uodiyala.edu.ig         Mobile       07705858286         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       Year         Masters       University of Baghdad / College of education       Year         PhD       University of Baghdad / College of education       Year         Masters       University of Baghdad / College of education       Year         PhD       University of Baghdad / College of education       Year       2019         for pure science Ibn- Al-Haitham       rear       2019         for pure science Ibn- Al-Haitham       rear       2019         Workplace       department       Synthesis and characterization of complexes / Inorganic Chemistry         Workplace       Synthesis, Characterization And Microbial Evaluation of Heterocyclic Azo Dye Ligand Complexes of Some Transition Metals.         Synthesis, Characterization and Microbial Evaluation of Azo Dye Ligand Complexes with Some Transition Metals.         Effect of aqueous, alcoholia and acidic extract of rosemary leaves Rosmarinus officinalis in inhibiting the effect of free radicals manufactured an	Full Name	Dr . Jinan Mohammed Mahmood		
Date of Birth       4 / 7 1977         Social Status       Married         E-mail       ijinan.mohammed@uodiyala.edu.iq         Mobile       07705858286         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         Masters       University of Baghdad / College of education for pure science Ibn- Al-Haitham         PhD       University of Baghdad / College of education for pure science Ibn- Al-Haitham         PhD       University of Diagla / College of education for pure science Ibn- Al-Haitham         Workplace       Kesearch areas         Synthesis and characterization of complexes / Inorganic Chemistry         Que Ligand Complexes With Some Metal Ions.         Synthesis, Characterization and Microbial Efficiency Of Azo Dye Ligand Complexes of 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.			4	
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Scientific expertise Atomic electronic structure	Scientific expertise	Atomic electronic structure		

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## Curriculum vitae

- Origin of quantum theory
– Electromagnetic radiation
– Radiation of black body
– Atomic spectra
<ul> <li>photon effect</li> </ul>
<ul> <li>Energy levels of atoms</li> </ul>
– Tearm symbols
Periodic properties of elements
<ul> <li>shelding or screening</li> </ul>
<ul> <li>ionization energy, electron</li> </ul>
– affinity, electronegativity
<ul> <li>Atomic and ionic size</li> </ul>
Ionic compounds
– Properties of ionic compound
– Crystal lattice energy
– Polarity and polarization
- Solubility of ionic compound
<ul> <li>ionic structures of some</li> </ul>
– inorganic compounds
Covalent compound
– Properties of Covalent compound
– Overlapping
– Symmetry of molecular orbitals ( $\sigma$ , $\pi$ ) in diatomic molecule
– Hyberidization
– valence – shell electron-
pair repulsion theory
<ul> <li>valence bond theory</li> </ul>
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 (IVR)