**Curriculum Vitae**

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**First: - Personal Information**

Name: Falah Hasan Hanoon ALasady

Birth:1974 Thi-Qar

University: Thi-Qar

College: Science

Department: Physics

Degree: Ph.D.

Title: Prof.

Mobile: 07804530307

Email: drfh24@yahoo.com and falah.hasan\_phy@sci.utq.edu.iq

**Second: Qualifications**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Specialization**  | **Country**  | **University**  | **year** | **Degree** |
| Physics | Iraq | Basrah | 1995-1996 |  Bachelor |
| Laser physics | Iraq | Basra | 1998 | Master |
| Solid state physics  | Iraq | Basra | 2008 | Doctorate of Philosophy |

**Third: Employment Record**

1. Reporter of Postgraduate in department of physics.
2. Member of the exam committee
3. Teaching in the Department of Physics
4. Supervising the students of the fourth stage
5. Supervising Postgraduate students

**Fourth: Conference**

1. **1st Faculty of Science Conference for the year 2015**
2. **The 2nd Scientific Conference of the College of Science 2019**
3. **The 5th International scientific Conference on Nanotechnology& Advanced Materials Their Applications**
4. **Workshop in Qatar university electronic microscope SEM and STM and nanostructure 2015**
5. **Workshop in Sulaimaniah university for XRD and XRF 2016**

**البحوث المنشورة**

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| --- | --- | --- | --- |
| **Title** | **Year** | **Journal** |  |
| Investigation of the electronic structure for rhenium Oxide Tetra Chloride by B3lyp Density functional Theory | 2013 | Journal of university of babylon | 1 |
| Structural and electronic properties of Donor – Acceptor molecule system | 2014 | JOURNAL OF THI-QAR SCIENCE | 2 |
| Calculation of vibrational life time of single adsorbate on metal surface with STM | 2014 | JOURNAL OF THI-QAR SCIENCE | 3 |
| Density functional theory investigation for Sodium atom on Copper cluster  | 2015 | IJSR | 4 |
| Density Functional Theory Investigation for H^ sub 2^-Silver Interactions‏ | 2015 | International Journal of Pure and Applied Sciences and Technology | 5 |
| Wave Packet Propagation and Density Functional Theory Investigation For Na-AgCu Interactions‏ | 2015 | International Journal | 6 |
| Geometrical optimization and some physical properties for sodium on copper cluster | 2015 | Journal of applied physics (IOSR) | 7 |
| Geometrical optimization and electronic properties of Li on Xn Nanocluster | 2017 | International journal of new Technology  | 8 |
| Metastable He \* Atom -3ML Ag /Cu(111)surface Interaction by using wave packet propagation method  | 2017 | International Journal of science research | 9 |
| Theoretical study of electron transport through some molecular structurs | 2017 | Superlattices and microstructure  | 10 |
|  |  |  |  |
| The electronic properties of concentric double quantum ring and possibility designing XOR gate | 2017 | Solid State Communications | 11 |
| Effect of thickness on the fractal optical modulator for MgF2, LiF, AL2O3 materials by testing modulation transfer function (MTF) | 2017 | Journal of Education for Pure Science | 12 |
| Theoretical study of electron transport throughout somemolecular structures | 2017 | Superlattices and Microstructures | 13 |
| Possibility designing XNOR and NAND molecular logic gates by using single benzene ring | 2017‏ | Solid State Communications | 14 |
| Possibility designing half-wave and full-wave molecular rectifiers by using single benzene molecule | 2018 | Physics Letters A | 15 |
| Electronic structure and band gap engineering of bilayer graphene nanoflaks in the presence of nitrogen boron and boron nitrogen impurities  | 2018 | Solid state comunication | 16 |
| A theoretical Design of a new organic dye containing coronene for Dye sensitize solar cells | 2018 | Journal of thin film research | 17 |
| Semi-metallic bilayer MS2 (M= W, Mo) induced by Boron, Carbon, and Nitrogen impurities‏ | 2018 | Solid State Communications | 18 |
| Theoretical study of electronic properties for pristine and alloyed double metal rings | 2019 | IOP Conf. Series: Journal of Physics | 19 |
| Chinese Journal of Physics | 2019 |  | 20 |
| Electronic structure and band gap engineering of bilayer graphene nanoflakes in the presence of nitrogen, boron and boron nitride impurities‏ | 2019 | Superlattices and Microstructures | 21 |
| Study of structural, optical and sensitivity properties of NiPc thin film prepared by thermal evaporation‏ | 2020 | AIP Conference Proceedings | 22 |
| Using of cellulose with various nanoparticles as chelating factors in nanovaccines: Density functional theory investigations‏ | 2020 | Solid State Communications | 23 |
| Adaptive prism using a double quantum dot structure‏ | 2020 | Applied Optics | 24 |
|  Enhancement the physicochemical properties of ZnONS in the presence various concentrations of Ga impurities and difference anticancer drug molecules | 2020 |  Physica E: Low-dimensional Systems and Nanostructures | 25 |
| Investigation the structural and optical properties of Nickel phthalocyanine (NiPc)thin films prepared by chemical spray pyrolysis method | 2020 | Journal of Physics conference series | 26 |



**Research number diagram from 2015 until 2020**

**Sixth:** Supervising postgraduate students: 5 PhD and 9 MSc

**Seventh:** Tasks

1-Head of Physics assistance from 2000-2003

2-Head of physics from 2003-2006

3-Head of physics and computer departments 2009-20014

4-Head of computer engineering department 2009-2011