Curriculum Vitae

First: - Personal Information

Name: Lafy F. Al-Badry

University: Thi-Qar

College: Science

Department: Physics

Degree: Ph.D.

Title: Assist. Prof.

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Second: Qualifications

Degree	year	University	Country	Specialization
Bachelor	2004-2005	Thi-Qar	Iraq	Physics
Master	2008	Basra	Iraq	Solid state physics
Doctorate of Philosophy	2014	Basra	Iraq	Nanoelectronics

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- **4th Faculty of Science Conference for the year 2014**
2- **The 2nd Scientific Conference of the College of Science 2014**
3- **The 5th International scientific Conference on Nanotechnology& Advanced Materials Their Applications**
4- **The 6th International scientific Conference on Nanotechnology& Advanced Materials Their Applications**
5- **The 1st International Scientific Conference on Pure Science**

Fifth: Publications

	Journal	Year	Title
1	Basrah journal of science	2014	Theoretical Treatment for Electron Transport throughout Quantum Dots Bridge
2	JOURNAL OF THI-QAR SCIENCE	2013	Theoretical Treatment for Electron Transport throughout Molecular Wire Bridge
3	journal of kerbala university	2014	Theoretical Treatment for Electron Transport throughout Benzene Ring Model
4	Journal of Basic and Applied Research International	2015	Thermoelectric properties of a serially coupled T-shape-double-quantum dot structure
5	Journal of Materials Sciences and Applications	2015	Enhancement of Thermoelectric Efficiency in Double Quantum Ring Structure.
6	Eng. &Tech.Journal	2015	Conductance-Voltage Characteristics of Single Molecule Junction: in Resonant Tunneling Regime
7	Physica E	2016	The influence of the nanostructure geometry on the thermoelectric properties
8	Current Nanomaterials	2017	Transfer Characteristics of Single Molecule in Nanoscale Junctions at Room Temperature
9	Recent Patents on Nanotechnology	2017	AND Gate Response in a Double Mesoscopic Ring
10	Solid State Communications	2017	Possibility designing XNOR and NAND molecular logic gates by using single benzene ring
11	Solid State Communications	2017	The electronic properties of concentric double quantum ring and possibility designing XOR gate
12	Superlattices and Microstructures	2017	Theoretical study of electron transport throughout some molecular structures
13	Physics Letters A	2018	Possibility designing half-wave and full-wave molecular rectifiers by using single benzene molecule
14	IOP Conf. Series: Journal of Physics	2019	Theoretical study of electronic properties for pristine and alloyed double metal rings
15	Chinese Journal of Physics	2019	Investigation of electronic properties of alloyed double metal ring

Sixth: Supervising postgraduate students

Student	study	thesis	year
Mohammed Abdul Ameer Abbas	Master	Theoretical Study of Electron Transport Through Some Nanoelectronic Structures	2017
Samar Mizher Mirdas	Master	Electronic structure and electron transport properties of double mesoscopic ring	2018
Mohammed Nadir Mutier	Master	Enhancement thermoelectric efficiency of single pyrene molecule	2019
Abdulrasool Hameed AL-Taher	Master	Density functional theory study to improve the electro-optical properties of organic molecules for solar cell applications	2019