



1440 هـ عام أمير المؤمنين علي (عليه السلام)

Research Project for Master's Students 2020-2021



No.	Supervise Name	Student Name	Research Name
1-	Dr. Qassem Shamkhi Jabbar	Ali Hataf Hadi	Evaluation the hartree_ fock energy for subshells of Na-atom and iso electronic series
2-	Dr. Monther Baqer Hassan	Lina Mohamed Hatem	Enhancement of radiation Tetrahertz generation due to laser plasma interaction in nonpraxial region
3-	Dr. Ali Abed Abu Jassem	Ali Said Jassim	Assessment of natural radioactivity and its environmental impact in some decorative materials in Iraq
4-	Dr. Adnan Faleh Hassan	Ali Abdul Jalil Kharnoub	Calculation point spread function for array of hexagonal aperture
5-	Dr. Abbas Hassan Rahim	Zahraa Abbas Katea	Grapheme- like BN Monolayer :A promising candidate of Toxic and Polluting Gases with high Adsorption Quantity by DFT study
6-	Dr. Hussein Abdul Ali Baqer	Mustafa Kazem Lafta	Assessment of organs radiation dose for patients undergoing chest X- ray examination in Al- Najaf governorate hospitals
7-	Dr. Shaima Awad Kazem	Muhammad Halbous Hashoush	Determination the concentration of some elements in different samples of Iraqi people using physical techniques



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8-	Dr. Radhia Mehdi Shaker.	Huda Allawi Hamza Jawad	Preparation and characterization of SnO ₂ nano crystalline for photodetector application
9-	Dr.Aref Saleh Baron.	Wadah Muhammad Mahdi Muhammad	Characterization and synthesis of organic inorganic hybrid perovskite
10-	Dr.Asmahan Asaad Mahmoud	Murtaza Ali Abdul-Mahdi	Preparation an active laser medium by fluorescent dye
11-	Dr. Samah Odeh Hassoun	Tbaarak Falah Naji	Determination of radon gas , lead,copper and cadmium level in serum of blood in patients with cancer compared with healthy people in babil
12-	Dr. Ahmed Asal Kazar	Kawthar Hussain Muhammad	Multispectral Satellite Images for the Sustainability development of Al-Najaf Governorate Regions

أ. د. حيدر حمزة حسين

رئيس قسم الفيزياء

2021 / 1 / 8

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رئيس قسم الفيزياء

Prof.Dr.Hayder Hamza Hussain

2021/1/8



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Graduation Researches Projects for Students for the Year 2020-2021

No.	Supervise Name	Student Name	Research Name
1	Dr.Azhar Abdel Wahab Habib.	Yasmine Imad Jawad + Nour Haidar	Chemical preparation of silver nanoparticles
2	Dr.Adel Habeeb Omran	Hora Abbas	Spray pyrolysis deposition parameter effect on the direct energy gap of CuO thin films
		Ghadeer Awad	Influence of Hydrothermal rection temperature on the optical absorbance of CdS thin films
3	Dr.Adnan Falh Hassan	Saif Hussein + Rasul Rahman	Deformation angle measurement for liquid crystals
4	Dr.Qassim Shamkhi Jabbar	Doaa Hussein + Ahmed Saleh	Energy Calculation for Polyelectron Systems
5	Dr. Hayder Hamza Hussain	Abdullah Manea + Zainab Hakim	Measurement of radioactivity in some leafy vegetables
6	Dr. Ali Abid Abojassim	Nour al-Huda is against	Measurement of natural radioactivity in samples of children's foods consumed in Iraq
7	Dr. Abass Hassan Raheems	Zainab Zia + Mohammed Raed	Theoretical study of the electronic properties of doped



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			nanomaterial
8	Dr.MuntherB.Hassan	Ali Abdel Hassan + Sarah Damed	Improving agricultural crops using laser
9	Dr.Aref Salih Baroon	Huda Rasool + Zainab Ahmed	Preparation and study of optical properties of lead sulfur nanoparticles
11	Dr. Radhiyah Mahdi Shakir	Rawasy Thamer + Esraa Ali	Designing and developing gas sensor based on nano Tin dioxide SnO ₂
12	Dr. Muhmood Msafer Obais	Howra Farhan + Hend Ali	Calculating the electric potential using the torque method
13	NibrasF.Ali	Adel Hassan + Iman Qasim	Studying the geomagnetic field for the eastern part of Najaf Governorate using the WMM program
14	Dr.Asmhan Asaad Muhmood	Blessed Kazem + Duha Muhammad	The effect of laser on improving the properties of some seeds
15	Hayder Hassan Jawad	Hassan Saleh + Hassan Azhar	Study of the stellar atmospheres of typical main sequence stars
16	Ban Hussein Ali	Saja Hassan + Hanan Kamel + Ali Hashem	The effect of coma aberration on point spread function for array synthetic circular obscured aperture
17	Dr. Abbas Mohsin Ali	Ali Ahmed + Tabarak Rahman + Karar Haider	Study of Optical properties to nano materials
18	Dr.Samah Oudah Hassoon alammahi	Karim Hadi + Zahraa Mahmoud	Electron scattering longitudinal modulators - inelastic core for ⁶² Ni . nucleus
19	Dr.Ahmed Obead Swary	Karar Mahdi + Ahmed Iyad	The use of lasers to increase the production of some agricultural crops
20	Dr. Hussein Abdullah	Mustafa Thabet +	Study and preparation of



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	Hameed..	Russell Abbas	ultraviolet reagent based on zinc oxide with nanostructures
21	Dr. Faeq A. AL-Temimei	Adyan Hossam + Karrar Ali Obaid	DFT Study of Some D- π -A Architectures Dyes as Organic Solar Cell Materials
22	Dr. Ahmed Asal Kzar	Ahmed Moayed	Classification of Najaf districts using satellite images
		Hussein Ali Khalaf	An analytical study of the areas of Najaf using satellite images
23	Dr.Abbas Hadi Abbas Al-Noumany	Mohamed Abdel Karim + Mohamed Hussein	Fatigue resistance of nanofibers carbon composites
24	Ibtisam Jaafar Abd Ali	Iman Abdullah + Naguib Odeh	Study of the optical properties of pure cadmium sulfide (CdS) membrane prepared by SILAR method
25	Azhar Salman Ali	Sahar Ali + Zahra Rahim	Estimation of the radiation hazard indices in some soil samples at Al-Shatra city, Iraq
26	Alaa M.Mohammed	Ahmed Munther + the news of Muhammad	Dark or dark energy
27	Faiz Salih Abbas	Muhammad Hassan Kreidi + Hanin Muayyad	Improving the spectral properties of a laser dye using a nanomaterial
28	DhahirMohammed Dhahir	Ismail Mohammed Rashid + Mohammed Qassem Sajat	Radiological survey of the soil of some schools in Dhi Qar Governorate
29	Soha Hadi Kazem	Hussain Ali Muhammed	Measurement of radon concentration in different types of cigarettes available



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			in the Iraqi market
		Baneen Jameel	Measurement of radium concentration in different types of cigarettes available in the Iraqi market
30	Suhad Heyawi Mohsen Hassan	Saja Ahmed + Zainab Madlool	Improve efficiency of solar cell by using of organic dyes in different solvents
31	Dr.Faris Abed Yassin	Haider Ahmed + Zainab Muslim	Study the Effect of the depoed on the electronic properties for Anthracene
32	Dr.Abbas Fadel Nouri	Hassan Reda + Mortada Abbas	Noise processing (sound) in the corridors of the physics department
33	Tamathor Alaa Hussein	Zahraa Iyad + Fatima Mohsen	Theoretical investigation the effects of the doped on the electronic properties of (AlN) monolayer
34	Ali Kazem Akal	Ghassan Abdel Gawad + Ayman Asaad	Calculate Gibbs free energy of iron based alloys prepared by mechanical alloying



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Graduation Researches Projects for Students of Medical physics for the Year 2020-2021

No.	Supervise Name	Student Name	Research Name
1	Dr. Hussien Abid Ali Bakir Mraity	1-Fatima Raad Mansour 2-Nisreen Ahmed Mawla 3-Narges Abbas 4-Loyalty to Abd al-Ridha 5- Boys Ayed Khair Allah	Theoretical assessment of radiation dose for patients undergoing common radiological examinations in major hospitals of Najaf, Maysan and Diwanayah: a comparative study.
2	Dr. Shaymaa Awad Kadhim	1-Hadi Muslim Adel 2-Ali Hussein Hanish 3- Adyan Hamid Jabbar 4-Maryam Hassanein Zuhair 5-Ghadeer Kazem Kalamjan	Comparison of some physical parameters of some cancer patients with those of healthy subjects
3	Dr.Talib Abdulridha Abdulwahid	1-Haider Nomas Kanber 2-Ahmed Abdel-Kazim Nasser 3-Khadija Ali Abdul Hussein 4-Zahraa Makki Abdel-Zahra 5- Zainab Kazem Mahdi	Role of Titanium Nanoparticles in Radiotherapy for Breast tumor
4	Dr. Raed Muhammed Kazem	1-Tahsseen Ali Fenjan 2-Youssef Mohamed Abdel Reda-3-Ali	radiation dose associated with coronary angiography



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		Hassan Hussein 4-Zahraa Adel Shallal 5-Abbas Saleh Munger	using computed tomography
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