***Curriculum Vitae***

**Itab Fadhil Hussein**

***Mustansiriyah University – College of Science- Physics Department***

***Mobile: +9647901599673***

***Email: itabfadhil@uomustansiriyah.edu.iq***

Full Name : Itab Fadhil Hussein

Place of Birth : Iraq , Baghdad

Date of Birth : 9/2/1981

Gender : female

Nationality : Arab, Iraqi

Religion : Moslem

Marital Situation : Married

Languages : Arabic (Native Language)

English (Written & Spoken)

Present Address : IRAQ, Baghdad.

**Education:**

* PhD 2022 [Mustansiriyah University, Nuclear Physics]
* M.Sc. 2005 [Nahrain University, material]
* B.Sc. 2002,[ Nahrain University, college of science , department of physics]
* **ACADEMIC HONORS AND AWARDS:**

***Review in sci-press and NEW journals and publish the  papers in titled:***

* "Microstructure of Free Mgo Powder" Journal of college of education – No.3, 2009.
* "Shrinkage properties of insulator Ceramic body Porcelain formed using local materials" Ibn-Al-hatham ,J for pure & appl.Sci.Vol-23(1),2010.
* "Dopping effect on optical constant of poly ( vinyl chloride)" Baghdad Science Journal Vol.8(4)2011.
* "Study of the physical and Morphological properties of ceramic insulator"Ibn-Al-Hatham J.for pure &appl.Sci Vol23 (3)2010.
* "Empirical and Simulation of Thermal insulator of SWCNTs- Ceramic / polymer Nano composites" Iraqi Journal of applied physics Vol.7, Issue (4), 2011.
* "Study of shielding properties for different materials" Atti della Fondazione Giorgio Ronghi,Vol.(3),No.2,2013.
* "Calculation and Study the Bremsstrahlung Dose rate of ( 90Sr ) Beta Source" International Journal of Science and Research, Vol (3), Issue (9),2014 .
* " Influence of neutron – irradiation on the optical properties of modified polyvinyl chloride" Advance in physics theories and application, Vol(32),2014.
* " Optical properties of PVA/K¬2CrO4 Composite" Ibn Al-Haitham J.for pure & Appl.Sci,Vol(28), No(2),2015.
* " Gamma irradiation effect on structural properties of copper doped polystyrene films" Journal of Applied chemical Science International , Vol(5), Issue(2),2016.
* Effect of neutron-irradiation on the optical properties of PVA/K¬2CrO4 Composite"international journalof advanced scientific research "vol.2,(2)2017
* "Producing High Purity of Metal Oxide Nano Structural Using Simple Chemical Method" Journal of Physics: Conf. Series 1032 (2018) 012036 doi :10.1088/1742-6596/1032/1/01203
* Heavy Metals Leaching Characteristics Assessment of Medical Ash Wastes Through Cement Solidifcation / Stabilization Treatment Processes
* Simulating Extensive Air Showers: Investigating the LDF for Electrons and Muons Using the AIRES System
* Health and Environmental Risk Assessment of Heavy Metals Contamination from Medical Wastes Ash of Baghdad Hospitals
* Evaluation of Radioactivity Concentration and Hazard Indices in ash of Hospitals Incinerators
* INVESTIGATION OF FAST NEUTRON ATTENUATION COEFFICIENTS FOR SOME IRAQI BUILDING MATERIALS
* Lateral Distribution Function Estimation of Electrons and Muons using Nishimura-Kamata-Greisen Function
* Estimating the Longitudinal Development of Atmospheric Cascades at High Energies
* Calculation of the electron stopping power of some components of human body tissues
* Simulating and Modeling the Extensive Air Showers Development

through the Estimating the Energy of some Created Particles

* INVESTIGATING THE GROUND ENERGY DISTRIBUTION OF PARTICLES PRODUCED IN EXTENSIVE AIR SHOWERS

**ACADEMIC /TEACHING EXPERIENCE:**

* #1-Nuclear physics
* #2- Elementary particles
* #3-Material & solid state

**COURSES TAUGHT:**

|  |  |
| --- | --- |
| **Undergraduate** | **Graduate** |
| Mechanical and material properties university physics  Nuclear physics | Nuclear physics |

**PUPLICATIONS:**

* Papers.
* Etc.

**PROFFESSIONAL DEVELOPMENT**

* Certifications.
* Conferences.
* Workshops.

***السيرة الذاتية***

**عتاب فاضل حسين**

***الجامعة المستنصرية – كلية* العلوم**

***Mobile****: +96479015996736*

***Email****: itabfadhil@uomustansiriyah.edu.iq*

ملخص تعريفي:

* تدريسي في قسم الفيزياء /الاختصاص الدقيق /فيزياء نووية
* اللقب العلمي: استاذ مساعد

**الشهادات الدراسية:**

* دكتوراه علوم فيزياء /الجامعة المستنصرية
* بكاليورس علوم فيزياء /جامعة النهرين
* ماجستير علوم فيزياء /جامعة النهرين

الجوائز والتكريم الأكاديمي

* #1:كتب شكر وتقدير من السيد العميد والسيد رئيس الجامعه (المستنصرية)

الخبرة الأكاديمية والتدريس:

* #1: دوره طرائق التدريس الجامعه المستنصرية
* #2: المشاركه في عدد من ورش العمل

**المقررات الدراسية التي تم تدريسها:**

|  |  |
| --- | --- |
| **الدراسات الأولية** | **الدراسات العليا** |
| 1. مختبر الفيزياء العامة (2005-2007 /2012- 2014). 2. مختبر البصريات ( 2007-2012). 3. تدريس مادة الفيزياء العامة لطلبة المرحلة الاولى / قسم الرياضيات (2012- 2014). 4. تدريس مادة الفيزياء العامة لطلبة المرحلة الاولى /قسم علوم الحياة (2014 – 2015) 5. مختبر الفيزياء الذرية والحديثة(2015 – 2016) 6. تدريس مادة الميكانيك وخواص المادة(2016-2017) 7. مختبر الثرموداينمك (2017) ولحد الان 8. تدريس مادة الفيزياء النووية للمرحلة الرابعة | تدريس مادة الفيزياء النووية  2024-2025(الماجستير) |

**الأنتساب المهني او الجمعيات:**

* عضو جمعية النانو تكنولوجي

**المنشورات العلمية**

* "Microstructure of Free Mgo Powder" Journal of college of education – No.3, 2009.
* "Shrinkage properties of insulator Ceramic body Porcelain formed using local materials" Ibn-Al-hatham ,J for pure & appl.Sci.Vol-23(1),2010.
* "Dopping effect on optical constant of poly ( vinyl chloride)" Baghdad Science Journal Vol.8(4)2011.
* "Study of the physical and Morphological properties of ceramic insulator"Ibn-Al-Hatham J.for pure &appl.Sci Vol23 (3)2010.
* "Empirical and Simulation of Thermal insulator of SWCNTs- Ceramic / polymer Nano composites" Iraqi Journal of applied physics Vol.7, Issue (4), 2011.
* "Study of shielding properties for different materials" Atti della Fondazione Giorgio Ronghi,Vol.(3),No.2,2013.
* "Calculation and Study the Bremsstrahlung Dose rate of ( 90Sr ) Beta Source" International Journal of Science and Research, Vol (3), Issue (9),2014 .
* " Influence of neutron – irradiation on the optical properties of modified polyvinyl chloride" Advance in physics theories and application, Vol(32),2014.
* " Optical properties of PVA/K¬2CrO4 Composite" Ibn Al-Haitham J.for pure & Appl.Sci,Vol(28), No(2),2015.
* " Gamma irradiation effect on structural properties of copper doped polystyrene films" Journal of Applied chemical Science International , Vol(5), Issue(2),2016.
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* "Producing High Purity of Metal Oxide Nano Structural Using Simple Chemical Method" Journal of Physics: Conf. Series 1032 (2018) 012036 doi :10.1088/1742-6596/1032/1/01203
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* INVESTIGATION OF FAST NEUTRON ATTENUATION COEFFICIENTS FOR SOME IRAQI BUILDING MATERIALS
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* INVESTIGATING THE GROUND ENERGY DISTRIBUTION OF PARTICLES PRODUCED IN EXTENSIVE AIR SHOWERS

**تطوير المهارات:**

المشاركة في العديد من ورش العمل في قسم الفيزياء /كلية العلوم

المشاركة في اعداد ملازم المختبرات العملية في القسم

**اللجان:**

* عضو لجنة امتحانية للسنوات

2005 – 2006

2013 – 2014

2014 – 2015

2022 – 2023

2023 – 2024

2024 – 2025

* عضو لجنة ضمان الجودة 2015 - 2016
* ممثل قسم الفيزياء /لجنة الترقيات العلمية في كلية العلوم /الجامعة المستنصرية للاعوام (2017-2019 )
* مقررة الدراسات العليا لقسم الفيزياء كلية العلوم قسم الفيزياء للعام 2022- 2023