**Curriculum Vitae**

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1. **First University Degree: - Bachelor of Sciences (BSc)**

**Date of Degree awarded: - 30-6-2004**

**Department: - Physics Department**

**College: - College of Education for Pure Science / Ibn AL-Haitham**

**Name& location of the university: - University of Baghdad / Iraq**

1. **Second University Degree: - Master of Sciences in physics (MSc)**

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**Department: - Physics Department**

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**Experience:-**

1. **The date of my first appointment was in 1996 at the Technical Institute.**
2. **In 2004 I was appointed by the physics Department College of Education for Pure Science / Ibn AL-Haitham / University of Baghdad.**

**Publications:-**

1. **Duraid .H. yuonus , R.H.Majeed "Study Of The Dynamical Behavior For Deuterons In Dense Plasma Focus", University of Baghdad, Ibn AL-Haitham Journal.2009.V(22).N(4). P (133-143).**
2. **H.J.M AL-Agealy, D. H. Yuonus, E. A. Jawad and M. A. Haitham "Charge transport in magnetized plasma" University of Baghdad, Ibn AL-Haitham Journal.2012.V (25). N (1). P (211-221).**
3. **S. H. Leabi, D. H. Yuonus "The Study Of Wear Effect On The unsaturated Resin Reinforced By Rice Husk" University of Baghdad, Ibn AL-Haitham Journal.2012.V (25). N (3). P (162-168).**
4. **A. K. Saadon, M. M. Ali, K. A. Jasim and D. H. Yuonus "Study the physics and Dielectric Properties of Ferrite-Sis Composite" University of Baghdad, Diyala Journal for Science Accepted. N (71). D (24-2-2013).**
5. **R. H. Majeed, D. H. Yuonus "Theoretical study for Analyzing the Neutron/Alpha Particles Emission Mechanisms from Thermonuclear**

**Fusion Plasmas". University of AL-Mustansirya,Journal of the College of Education .N(72F).D(15-4-2013) .**

1. **K. A. Jasim, M. Abdul-Nebi and D. H. Yuonus "Study the Superconducting Properties of** **Bi2Sr2Ca1. 8La0.2Cu3O10-δ Gamma Irradiation", University of AL-Mustansirya, Journal of the College of Education. N (100F). D (15-4-2013).**

1. **Durade .H. yuonus "Theatrical Calculations For Sputtering Yield of Nickel surface Hitted By Xenon Plasma Ions", University of Baghdad, Ibn AL-Haitham Journal.2013.V(26).N(2).P(158-165).**

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**Study of the Dynamical Behavior for Deuterons in Dense Plasma Focus**

**Thesis Submitted to Collage of Education Ibn AL - Haitham, University of Baghdad In Part Fulfillment of the Requirement for Degree Master of Physics**

**By**

**Duraid Hani younus**

**Supervisor**

**Dr . Abd – Al – Rahman Mahmoud Dr . Raad Hameed Majeed**

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**Abstract**

 **The motion of fast deuterons in most dense plasma focus devices ( DPF ) , may be characterized such that it have a complex nature in their paths and this phenomena can be by described by a gyrating motion with arbitrary changes in magnitude and direction .**

 **In this research we focus on the understanding the theoretical concepts which deeply depend on the experimentally results to explain the deuteron motions in the pinch region. Then we use the fundamentals physical formulas that related to the explanation of this motion to prepare a suitable model to calculate the vertical and radial components for deuteron velocity by employing Rung – Kutta Method.**



**Duraid Hani younus**