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Date of Birth

25 September 1972.

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Qualification

Bachelor of Science majoring in physics, University of Tripoli, Faculty of Science, Department of Physics, 1994.

Master of Science majoring in physics, University of Tripoli, Faculty of Science, Department of Physics, 2001.

Theses Title: Shell Model Calculation Using Surface – Delta Interaction.

Employment

1999-2001: Teaching Assistant: Department of Physics, Faculty of Science, University of Tripoli.

2001-2010: Lecturer Assistant: Department of Physics, Faculty of Science, University of Tripoli.

2010-2015: Lecturer: Department of Physics, Faculty of Science, University of Tripoli.

2016-2021: Assistant Professor: Department of Physics, Faculty of Science, University of Tripoli.

2022: Associate Professor: Department of Physics, Faculty of Science, University of Tripoli.

Teaching

1999-2001: Undergraduate Tutorial courses, Faculty of Science, University of Tripoli.

2001-2021: Undergraduate course, University of Tripoli.

Mechanics: Faculty of Science, University of Tripoli.

Electricity: Faculty of Science, Faculty of Engineering, University of Tripoli.

Electromagnetic Physics: Faculty of Information Technology, University of Tripoli.

Sound & Light & Heat: Faculty of Engineering, University of Tripoli.

Mechanics: Faculty of Agriculture, University of Tripoli.

Properties of Mater & Heat: Department of Physics, Faculty of Science, University of Tripoli.

(Mech. Pro of Mater & Heat)Physics Laboratory : Department of Physics, Faculty of Science, University of Tripoli.

Nuclear Physics Laboratory : Department of Physics, Faculty of Science, University of Tripoli.

Electronics Laboratory : Department of Physics, Faculty of Science, University of Tripoli.

Mechanics- I : Department of Physics, Faculty of Science, University of Tripoli.

Mechanics- II : Department of Physics, Faculty of Science, University of Tripoli.

Mechanics- III: Department of Physics, Faculty of Science, University of Tripoli.

Thermodynamics: Department of Physics, Faculty of Science, University of Tripoli.

2010 – 2012 : Member of study & examinations committee, Department of Physics, Faculty of Science, University of Tripoli.

Publications

1-Mohamed E. Kelabi, Khaled A. Mazuz, Eman O. Farhat, Huwaida.K.Elgweri, Samira E. Abushnag, ” A Simple Form for the Ground State Rotational Band of even-even Actinide nuclei”. *AINawah*, Volume. 9, No, 14, (2010).

2- د.احمد الحماسي, أ.هويدا القويري, د. خالد المرغني, " اساسيات تشغيل مصورة جاما". مجلة النواة, المجلد العاشر, العدد الرابع عشر , (2013).

3- Huwaida.K. Elgweri, Mohamed.Mansor, "First excited solutions of Schrödinger equation by the diffusion method applied to various one dimension problem", *Journal of Academy for Basic and Applied Science*, 14(1),1-4, (2015).

4- Huwaida.K. Elgweri, Mohamed.Mansor , “Application of Grimm-Storer Diffusion Approximation Method to Schrödinger Equation With Short Range Potential in One Dimension”, *Libyan Journal of Science (An International Journal)*:Volume 18 (2015).

5- Huwaida.K. Elgweri, Mohamed.Mansor, “Calculation of Positive Spectrum for the Higher Excited States Using Grimm-Storer Diffusion Method”, *The Libyan Journal of Science (An International Journal)*: Volume 20 (2017).

6- Hawa M. Alhrari, Huwaida.K. Elgweri, Mohamed.Mansor, “Application of the Transmission Line Method to Calculate the Energy Bands for an Electron in One Dimensional Lattice”, *The Libyan Journal of Science (An International Journal)*: Volume 23 (2020).

7- Huwaida.K.Elgweri, Amal.Hamed, Mohamed.Mansor , “Obtaining the Higher Excited States in Two Dimensions Using the Finite Difference Time Domain Method”, 2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA, 25-27 May 2021, Tripoli-Libya.(IEEE *Xplore*).

8- Huwaida.K.Elgweri, Amal.Hamed, Mohamed.Mansor, “ Calculating the Lower Angular Excited States in Two Dimensions Using the Finite Difference Time Domain Method”, *International Conference on Advanced Engineering Technology and Applications, ICAETA*, 09-11 July 2021, Istanbul, Turkey.

9- Amal.Hamed, Huwaida.K.Elgweri, Mohamed.Mansor, “Calculation of the Lower Angular Excited States for Two Dimensional Finite Rectangular Well Potential Using Finite Difference Time Domain Method”, *International Science and Technology Journal*. Volume 26 (2021).

10- Amal.Hamed, Huwaida.K.Elgweri, Mohamed.Mansor, “The Solutions of Two Dimensional Finite Square Well Potential Problem Using the Finite DifferenceTime Domain Method”, 2021 IEEE 2nd

International Conference on Signal, Control and Communication (IEEE-SCC 2021)December 20 – 22,
2021, Hammamet - Tunisia.(IEEE *Xplore*).