

Assist. Lecture Alya'a Abdulkadhim Sabry

PERSONAL INFORMATION

Name: Alya'a Abdulkadhim Sabry

Nationality: Iraqi

Date of Birth: 4 January 1984

Place of Birth: AL-Muthanna – Iraq

Place of work: Department of Mathematics, Education Faculty for Pure Sciences, Muthanna University.

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Mother language: Arabic

Foreign language: English

ACADEMIC QUALIFICATIONS

- **B.Sc.** (Physics), Science Faculty, Muthanna University, Al-Muthanna, Iraq (2005).
- **M.Sc.** (Nuclear Physics), Science Faculty, Kufa University, Najaf, Iraq (2014).
- **Thesis titled:** A Study of Nuclear Structure for Even – even Isotopes ($A=180-190$) by Using IBM-1 model.
- **Title of the B.Sc. Project:** Moons of the giant planets.

ACADEMIC SCIENTIFIC RANK

- **Assistant Lecturer** (Nuclear Physics) at 21 December 2015.

COURSES TAUGHT

Department of Mathematics, Education Faculty for Pure Sciences, Muthanna University.

- **Calculus** /First Stage.
- **General Physics** /First Stage.

THE PUBLISHED RESEARCH

Books

- A Study of Nuclear Structure for Some Even – even Isotopes (A= 180 –190) – LAP LAMBERT Academic Publishing (June 30, 2016).
- Simple Calculus LAP LAMBERT Academic Publishing (November 25, 2017).

Peer-reviewed journal articles

- A Study for the Energy levels and Potential Energy Surface of $^{184}_{74}\text{W}_{110}$ Isotope, JOURNAL OF KUFA – PHYSICS, Vol.6/ No.2, pp. 78–85, (2014), by Alya'a A. Sabry and Hayder H. Hussain.
- A STUDY FOR THE ENERGY LEVELS AND POTENTIAL ENERGY SURFACE OF $^{246}_{96}\text{Cm}_{150}$ ISOTOPE, Journal of Science and Arts, Year 16, No. 3(36), pp. 265–274, 2016.
- THE PROBABILITY OF ELECTRIC TRANSITIONS; THE SQUARE OF ROTATIONAL ENERGY & THE MOMENT OF INERTIA FOR CM (A=246) ISOTOPE, Journal of Science and Arts, Year 16, No. 4(37), pp. 417–426, 2016.
- A STUDY OF NUCLEAR STRUCTURE FOR $^{200}_{80}\text{Hg}_{120}$ ISOTOPE BY USING IBM-1 MODEL, Journal of Science and Arts, Year 17, No. 1(38), pp. 163–176, 2017.
- ENERGY LEVELS, REDUCED MATRIX ELEMENTS & THE PROBABILITY OF ELECTRIC TRANSITIONS FOR $^{248}_{96}\text{Cm}_{152}$ ISOTOPE, Journal of Science and Arts, Year 17, No. 2(39), pp. 347–356, 2017, by ALYA'A ABDULKADHIM and KAHTAN ADNAN HUSSAIN.
- The Square of Rotational Energy and the Moment of Inertia for Pt (A=192 – 198) Isotopes, Research & Reviews: Journal of Physics, Vol. 6, Issue 2, pp. 1–7, (2017).

EDITORIAL BOARD MEMBER

In:

- SCIREA Journal of Physics.
- Science Publishing Group "Nuclear Science (NS)".

AREAS OF CONCERN

Nuclear Physics – Nuclear structure – Interacting Boson Model (IBM) – Theoretical Physics – Mathematical Physics.

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