

Lecturer 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, College of Education for Pure Science, Muthanna University.

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Mother language: Arabic

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ACADEMIC QUALIFICATIONS

- **B.Sc.** (Physics), College of Science, Muthanna University, Al-Muthanna, Iraq (2005).
- **M.Sc.** (Nuclear Physics), College of Science, Kufa University, Najaf, Iraq (2014).
- Currently a **PhD** student (Medical Physics), College of Science, Babylon University, Babylon, Iraq.
- **Title of PhD thesis:** Experimental and Numerical Study to Prepare Biopolymer Composite Material Using in Jaws Bones
- **Title of M.Sc. thesis:** 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** at 21 December 2015.
- **Lecturer** at 14 April 2019.

ACADEMIC ACCOUNTS

- **Researchgate:** https://www.researchgate.net/profile/Alyaa_Abdulkadhim
- **Google Scholar:** <https://scholar.google.com/citations?user=vYBZgnwAAAAJ&hl=ar#>
- **Orcid:** <https://orcid.org/0000-0002-1564-6002>
- **Publons:** <https://publons.com/researcher/1713274/alyaa-abdulkadhim/>

COURSES TAUGHT

Department of Mathematics, College of Education for Pure Science, 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 14, 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).
- Synthetic Properties of Hydroxyapatite Powder Prepared from Natural Eggs shell, **Journal of Green Engineering (JGE)**, Vol. 10, Issue 7, pp. 3498–3507, July, (2020), by [Alya'a Abdulkadhim Sabry](#) and Nihad Abdulameer Salih.
- The Mechanical Properties of Biopolymer Composite Material Using in Compensation Jaws bones, **Egyptian Journal of Chemistry**, Vol. 63, Issue 10, October, (2020), by [Alya'a Abdulkadhim Sabry](#) and Nihad Abdulameer Salih.

EDITORIAL BOARD MEMBER

In:

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

Reviewer for a journal:

- Premier Publishers.

AREAS OF CONCERN

Nuclear Physics – Nuclear structure – Interacting Boson Model (IBM) – Theoretical Physics – Mathematical Physics – Medical Physics – Biomaterials – Composite Materials – Materials Physics – Simulations with variety Programs.