



Dr.Laith Ahmed Najam ((Prof.))

Nuclear Physics and Radiation Physics

dr_laithahmed@yahoo.com

B.Sc. Physics (1987) Mosul University-IRAQ

85.7% the second in the Univ.-the first in the Physics Dept.

M.Sc. in Nuclear Physics (1990) Mosul Univ.-IRAQ

81% the First in the Dept.

The Thesis under Title:

((A Study of the decay Scheme and the Nuclear structure of Dy-160))

Ph.D. in Nuclear Physics (2006) Mosul Univ.-IRAQ

The thesis under Title:

((THE FABRICATION OF NUCLEAR DETECTOR

FROM SEMICONDUCTOR MATERIAL))

Assistant lecture (1991)

Lecture ((1997))

Assistant Prof. ((2001)

Prof. ((2012))

Subject that has been taught

- 1) Nuclear Physics for the fourth class**
- 2) Elementary particles for the third class**
- 3) Nuclear reactors as selective subject for Fourth Class**
- 4) Plasma Physics as selective subject for Fourth Class**
- 5) Radioactive contamination as selective subject for Fourth Class**
- 6) General Physics for First Class**
- 7) Medical Physics For Student of Technical Student First Class**
- 8) Radiation Physics For Student of Technical Student Fourth class**
- 9) Advance Nuclear Physics for M.Sc. students**
- 10) Detectors and interaction with radiation for Fourth class**
- 11) Selective Subject (Neutron Physics) for Ph.D. Student**
- 12) Environmental pollution for M.Sc. Students**
- 13) Spectroscopy analysis for Ph.D. Students**

I attended many M.Sc. letters and Ph.D. Thesis ((discussions))

I work for four years as a Scheduled scientific for Physics Dept.

Also now I have M.Sc. student working in the field

((the effect of Gamma and Neutron on the ZnO prepared by Chemical Vapor))

**And M.Sc. Student working in the field of
((Determine the ability of some shields for different materials on the gamma –ray attenuation))**

also iam in the Editorial Board of

- 1) Environment an Pollution Journal((Canadian center of Science and Education))
- 2) Walailak Journal of Science and Technology(WJST)
- 3) Journal of Petroleum and Gas Exploration Research(JPGER)
- 4) *International Journal of Material Science Innovations(IJMSI).*
- 5) **ADVANCED JOURNAL OF MEDICAL REPORT AND REVIEW (AJMRR).**
- 6) Peak Journal of Physical and Environmental Science Research (PJESR).
- 7) International Journal of Physical Science.(IJPS)
- 8) International Journal of Scientific & Technology Research(IJSTR)
- 9) International Journal of Simulation in Physics (IJSP).
- 10) Editor of the International Journal of Physics (IJP).
- 11) Editor in Prudence Journal of Educational Research (PJER).
- 12) International Institute for Science, Technology& Education (IISTE) (Advances in Physics Theories and Applications).
- 14) Reviewers of Australian Journal of Basic and Applied Science(AJBAS)
- 15) I am in the Editorial Board of IOSR-Journal of Applied Physics(JAP)
- 16) I am in the Editorial Board of International Journal of Physics and Research (IJPR) the Editorial Team of TJPRC global community.
- 17) I am in the Editorial Board of international Journal of Basic and Applied Science(IJBAS) .

- 18) I am in the Editorial Board of Prudence Journal of Medicinal Plants Research (PJMPR).
- 19) I am in the Editorial Board of Concepts in Pure and Applied Sciences.
- 20) I am in the Editorial Board of Research Journal of Physical and Applied Sciences (RJPAS).
- 21) I am in the Editorial Board of **Elixir International Journal**
- 22) I am in the Editorial board of Scientific Canadian
- 23) I am in the Editorial board of Journal of Scientific Research and Reviews
- 24) I am in the Editorial board of international journal of Nuclear Science(IJNS)
- 25) I am in the Editorial board of Science Journal of Physics
- 26) I am in the editorial board of American Journal of Advanced Physics Research (AJAPR)
- 27) I am in the editorial board of Caspian Journal of Applied Science Research (CJASR)
- 28) I am in the Editorial board of ARPN Journal of Science and Technology
- 29) I am in the editorial Board of Time Journal of Engineering and Physical Sciences journal (TJEPS).
- 30) I am in the editorial Board of International invention journal of engineering science and technology (iijest)
- 31) I am the reviewer of Journal of Natural Sciences(JNS)
- 32) I am the reviewer of Journal of Modern Physics(JMP)
- 33) I am in the Editorial Board of Journal of Computer Science and Information Technology
- 34) I am in the Editorial Board of Detection Journal
- 35) I am in the Editorial Board of International journal of emerging trends in engineering and development (IJETED)
- 36) I am in the Editorial Board of International Journal of Physics and Astronomy(IJPA)

- 37) I am in the Editorial Board of Open Journal of Modern Physics
- 38) I am in the Editorial Board of Journal of Chemistry and Biochemistry
- 39) I am in the Editorial Board of International Journal of Information Security Issues(IJISI).
- 40) I am in the editorial Board of International Journal of Advanced Research in Physical Science (IJARPS)
- 41) I am the reviewer of Journal of Nuclear and Particle Physics
- 42) I am the reviewer of *Global Journals*((GJSFR Journal)).
- 43) I am in the Editorial Board of Wyno Physical Sciences.
- 44) I am in the editorial Board of Segment Journals (Applied Science Segment)
- 45) I am in the Editorial Board of International Journal of Engineering Technology and Science (IJEST)
- 46) I am in the Editorial Board of Advances in Applied Science Research Pelagia Research Library.
- 47) I am in the editorial board in European Journal of Academic Essays (EJAE)
- 48) I am in the Editorial Board of Journal of advanced & Applied Sciences(JAAS)
- 49) I am in the Editorial Board of Nova Journal of Engineering and Applied Sciences .
- 50) I am in the Editorial Board of Nova Journal of Humanities and Social Sciences.
- 51) I am in the Editorial Board of Nova Journal of Medical and Biological Sciences.
- 52) I am in the Editorial Board of Sciknow Publications Journal of Condensed Matter Physics.
- 53) I am in the Editorial Board and the Reviewer of American Journal of Environmental Engineering and Science.
- 54) I am in the Editorial Board and the Reviewer of American Journal of Science and Technology
- 55) I am in the Editorial Board of International Journal of Modern Physics and Application.
- 56) I am the Reviewer of International Journal of Modern Education Research

57) I am in the Editorial board of International Journal of Ethics in Engineering & Management Education (IJEEE) journal

58) I am in the Editorial board of Physical Science Research International (PSRI).

59) I am in the editorial board of *American Journal of Modern Physics*(AJMP) journal.

60) I am in the editorial board of *International Journal of High Energy Physics*(IJHEP)

61) I am in the editorial board of *American Journal of Physics and Applications*(AJPA)

62) I am in the editorial board of *International Journal of Recent Research and Review* (IJRRR) Journal

Also I now the reviewer of World Journal of Nuclear Science and Technology((WJNST)

List of Publication of Dr. Laith Ahmed Najam:

1-Determination of some Radioactive Elements in some popular prescription

In ((Raf.Jour.Sci)) ((name of the Journal)) Vol.12,No.1,2001

2-A study of Radioactive and Toxic contamination in Soil from Mosul site

In ((Raf.Jour.Sci)) ((name of the Journal)) Vol.11, No.4 pp.136-140, 2000

3- Investigation of Radionuclide contents in some Building Materials

In ((Raf.Jour.Sci)) ((name of the Journal)) Vol.11, No.3 pp.107-110, 2000

4-Apply Nuclear Technique in studying fertilizers

In ((Raf.Jour.Sci)) ((name of the Journal))

Vol.12, No.3 pp.87-92 , 2001

**5-Calculations of Energy levels of Even-even rare earth deformed
Nuclei in the ground state band.**

Tikreet. Univ.J.Sci((the name of the Journal))

Vol. 2, No.3 pp.11-20 , 1996

6-Reduced Transition probability $B(E_2)$ for Even – Even Nuclei

150 < A < 190

Al – Mustansiriya J. of Sci. ((the name of the Journal))

Vol. 7 ,No.2, pp.118-130,1996

**7-Study of back bending phenomena for ground state bands of doubly
even rare earth of deformed Nuclei**

J.Edu.Sci.((the name of the Journal))

Vol.25,pp.115-122,1996

**8-Measurement of Radon -222 Concentration Levels in Spring Water in
Iraq.**

Jordan Journal of Physics((the name of the journal))

Vol.2 No.2,2009, pp.89-93

9-Preparation of Domestic Nuclear Detector Using Solutions of the Scintillation Materials (Acridine) and (Eosin)

Jordan Journal of Physics((the name of the journal))

Volume 2, Number 3, 2009,pp.181-188

10-Natural radioactivity levels of limestone rocks in northern Iraq using gamma spectroscopy and nuclear track detector

Journal of Radioanalytical and Nuclear Chemistry

((the name of the Journal)) vol.289,No.3,709-715,2011

11- Fabrication of CdMnTe Semiconductor as Radiation Detector

((Indian Journal of Physics))

Vol.86,No.4,267-272,2012

12- Comparison in Mobility, Transit Time and Quality Factor between CdMnTe and CdZnTe Detectors

((The African Review of Physics)),(2012) 7:0029,269-272.

also I have paper under title:

13-Interacting Boson Model (IBM-2) Calculations of Selected Even-Even Te Nuclei ((Pelagia Research Library))

Advances in applied science Research 4(1),444-451,2013

14- Measurement of Natural Radioactivity in Building Materials used in IRAQ

Australian Journal of Basic and Applied Sciences, 7(1): 56-66, 2013

Also I have another paper under title

15- Determination of uranium contents in some building materials in Iraq

Nukleonika journal

Vol.58, no.2, 2013 , pp 329-331

Also I have paper under title

16- ((Nuclear Structure of The Germanium Nuclei In The Interacting Boson Model((IBM))

((Pelagia Research Library)) ((Advances in applied Science Research))

Vol.4,No.3, 63-73

Also I have paper under title:

17-((Radon Concentration in Some Building Materials in Iraq Using CR-39 Track Detector))

International Journal of Physics, 2013, Vol. 1, No. 3, 73-76

Also I have paper under title:

**18- CHARACTERIZATION OF BACKBENDING IN EVEN- EVEN
ISOTOPES OF 164–174Hf AND 154–164Dy NUCLEI
BY A MODIFIED PHENOMENOLOGICAL MODEL**

International Journal of Modern Physics E 2013, Vol.22,No.7, 1350055 (7 pages)

Also another paper under title:

19-IBM-2 Calculations for even-even Xe Isotopes

Concepts in Pure and Applied Science

Vol. 1; Issue 1; Year 2013; Page 28-43

Also another Paper under Title:

**20- Electromagnetic Transitions and Structures of even–even $^{76-90}\text{Kr}$
Isotopes within Interacting Boson Model**

Elixir Nuclear & Radiation Phys. 64 (2013) 19268-19281

**20- Using Gamma-Ray to Determine the Homogeneity of Some Building
Materials**

International Journal of Physics, 2014, Vol. 2, No. 1, 23-29