

**An-Najah  
National University  
Faculty of Science  
Dept. of Physics**



جامعة  
النجاح الوطنية  
كلية العلوم  
قسم الفيزياء

**Issam Rashid Abdelraziq, Ph. D. (Full Prof.)**

**Nablus – Palestine**

**Professional Objective:** Teaching undergraduate and graduate courses and to do research individually or collectively.

**Education:**

**1985 -1990**

Ohio University, Athens, Ohio, USA

Ph.D. theoretical and experimental condensed matter.

All expenses financed by research assistant.

**1980 – 1982**

University of Jordan, Amman, Jordan

M.Sc. experimental condensed matter.

Financed by teaching assistant

**1977 – 1980**

Yarmouk University, Irbid, Jordan

B.Sc. physics major.

**Employment:**

**1990 – present**

An-Najah National University, Nablus, Palestine.

Teaching physics courses. (Full Professor).

- Courses Taught for undergraduate:

Statistical Mechanics 455, Classical Mechanics 352 and 452, Nuclear Physics 461, Quantum Mechanics 354 and 454, Electricity and Magnetism 351 and 451, Thermodynamics 241, Acoustics 471, Mathematical Physics 353 and 453, Modern Physics 242 and 342, Solid

State 331, General Physics 101 and 102, Laboratories 107, 108, and 233.

- Courses Taught for graduate:

Classical Mechanics 511 and 512, Electrodynamics 521 and 522, Mathematical Physics 541 and 542, Quantum Mechanics 531, Nuclear and Elementary Physics 561, Statistical Mechanics 571, Special Topics 591.

**1985 – 1990**

Ohio university, Athens, Ohio

Teaching General Physics and Laboratories

Help session (Extensive problem solving sessions).

**1982 – 1984**

An-Najah National University, Nablus, Palestine.

Lecturer, Teaching Classical Mechanics 352 and 452, Nuclear Physics 461, Quantum Mechanics 354 Thermodynamics 241, Modern Physics 242, General Physics 101 and 102, Laboratories 107, 108, and 233.

**1980 – 1982**

University of Jordan, Amman, Jordan.

Teaching physics laboratories and help sessions.

**Research:**

- 1- Determination of the Dominant Depopulation Processes of the 1<sup>st</sup> Excited State in Aromatic Hydrocarbons Between 10-300<sup>0</sup>K. (M.Sc. Thesis)
- 2- The Behavior of the Ultrasonic Absorption and Velocity and Shear Viscosity for the Nitrobenzene-n-Hexane and Carbon tetrachloride – coconut oil. (PhD Thesis).

**Publications:**

Title of the Paper	Journal	Year
<p>Critical behavior of the ultrasonic attenuation and velocity and shear viscosity of nitrobenzene-n-hexane.</p> <p>Critical behavior of the ultrasonic attenuation and velocity and shear viscosity of carbontetrachloride –coconut oil.</p>	<p>J. Acoust. Soc. Am.</p> <p>J. Acoust. Soc. Am</p>	<p>1989</p> <p>1992</p>
<p>Concentration and temperature dependence of shear viscosity of the critical mixture of nitroethane and 3-methylpentane</p>	<p>An-Najah Journal University</p>	<p>2002.</p>
<p>Two-scale-factor universality of binary liquid critical mixtures. Single Author</p>	<p>Pakistan Journal of Applied Sciences</p>	<p>2003</p>
<p>Critical amplitude of acoustical attenuation in mode-copling theory for the binary mixture aniline and cyclohexane. Single Author</p>	<p>An-Najah Journal University</p>	<p>2001</p>
<p>Ultrasonic absorption in critical binary mixture of perfluoromethylcyclohexane and carbon tetrachloride. Single Author</p>	<p>Journal of Acoustical Society of America</p>	<p>1999</p>
<p>Critical behavior of the ultrasonic attenuation for the binary mixtures of benzene-coconut oil and hexane—bb-dichloroetyly ether. Single Author</p>	<p>Acta Acustica united with Acustica</p>	<p>2004</p>
<p>Effects of Noise Pollution on Blood Prassure, Heart Rate and Hearin Threshold in School Children First Author</p>	<p>Pakistan Journal of Applied Sciences</p>	<p>2003</p>
<p>Noise Measurements in the Community of Nablus in Palestine.</p>	<p>Acta Acustica united with Acustica</p>	<p>2000</p>

First Author		
Noise Pollution in Factories in Nablus City Single Author	Acta Acustica united with Acustica	2003
Measurements of Noise Pollution in the Community of Arraba.	Acta Acustica united with Acustica	2000
Special Functions First Author	Deanship of Scientific Research , An-Najah National University	2004
Nablus-Jenin Highway Environmental Assessment, Acoustic Issues Single Author	Palestine National Authority Ministry of Public Works  The Us Agency for international Development	2001
Delineation of Noise Map of the Community of Nablus in Palestine. First Author	Acta Acustica united with Acustica( Accepted to be Published it needs some corrections )	2004
Effects of Occupational Noise Exposure on Blood Pressure, Pulse Rate and Hearing Threshold in Workers in Selected Plants in Nablus City	Journal of the Acoustical Society of America.	2004.

**Reports:**

Nablus - Jenin Highway Environmental Assessment, Acoustic Issues.	2001
Palestine National Authority Ministry of Public Works.	

Preliminary Design of Nablus-Jenin Highway, USAID	2001
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**Supervising Master Students:**

Effects of Noise Pollution on Arterial Blood Pressure, Pulse Rate and Hearing Threshold in School Children. ( Joint Supervision with Shatayeh	2000
Noise Pollution in Factories in Nablus City. ( Joint Supervision with Qamhieh)	2002
Effects of Occupational Noise Exposure on Blood Pressure, Pulse Rate and Hearing Threshold in Workers in Selected Plants in Nablus City. (Joint Supervision with Shatayeh	2003
Effects of Occupational Noise Exposure on Blood Pressure, Pulse Rate and Hearing Threshold in Workers in Selected Plants in Jenin City. (Joint Supervision with Qamhieh	2004

**Conferences:**

Conference Name	Place	Year	Presentation
AIP Conference Proceedings 169	Cleveland, Ohio	1987	yes
The Spring meeting of the Ohio section of APS,	Columbus, Ohio	1989	yes

The Fall meeting of Ohio	Columbus Ohio	1989	yes
The 118 <sup>th</sup> meeting of the Acoustical Society Of America	Kansas city	1989	yes

The Palestinian Physics Conference "Condensed Matter and Applications"	An-Najah National University Nablus Palestine	2000	yes
The 2 <sup>nd</sup> Palestinian Physics Symposium	Ai-Quds University Palestine	2000	yes
Fourth International Conference in Physics of Condensed Matter	University of Jordan Amman Jordan	2000	yes
Seventh Petra School Of Physics	University of Jordan Amman Jordan	2000	yes

**Grants:** Arab Union Universities for studying noise pollution in different places: Schools, Streets, Residential areas, Hospitals, Universities, Industrials areas and industries in different cities in Palestine.