

# UNWUCHOLA, ATTAH DOOMNULL

**Date of Birth:** 4<sup>th</sup> May 1977  
**Nationality:** Nigeria  
**Current Position:** Lecturer, Dept of Physics, University of Johannesburg

## **Education:**

2009 – present M. Sc.(Research) Physics in progress - University of Johannesburg, Auckland Park, Kingsway campus, South Africa.  
2005-2006 University of Western Cape (AIMS) Cape Town, South Africa  
Postgraduate Diploma in Mathematical Sciences.  
1997-2001 Ahmadu Bello University, Zaria, Kaduna, Nigeria. B. Sc.(Hons) Physics  
Second Class (Upper Division)  
1989-1994 Federal Government College, Ugwolawo, Kogi State, Nigeria West  
African Senior School Certificate.

## **Work Experience:**

2002 – 2003 Physics and Mathematics teacher, Ilaje Local Government Area, Ondo  
State (National Youth Cooperation).  
2004 -2005 Lecturer (PT) in Mechanics and Trigonometry at the Institute of  
Education, Ahmadu Bello University.

## **Skills:**

- Good Mathematical and Physical problem solving skills.
- Ability to work well in a team.
- Programming skills in Root, Perl, Python, Octave, Xmaxima, Latex, HTML, C++.

## **Prizes and Awards**

2005 Post-graduate Scholarship.  
African Institute for Mathematical Sciences (AIMS), South Africa.  
2006 Post-graduate Degree Bursary Award.  
AIMS and NRF .  
2009 University Internal Merit Award (University of Johannesburg).

## **Research**

- Baryonic Electroproduction Studied via Omega Meson Decay – Analysis of data from JLAB, Particle-Solid Interactions group, Department of Physics, University of Johannesburg, Johannesburg, South Africa.
- Applied Nuclear Physics, Mineral PET project

## **Publications**

- Mineral-PET : Kimberlite Sorting by nuclear – medical technology. CERN- proceeding

– 2010-001. (Available at <http://cdsweb.cern.ch/record/1233497>). ISBN 978-92-9083-339-0 set, ISBN 978-92-9083-340-6 Vol 1, ISBN 978-92-9083-341-3 Vol 2.

**Seminars and Workshops:**

- 2005 NASSP/AIMS 2005 Student Workshop on Southern African Largest Telescope (SALT) Science.
- 2006 Theoretical and Experimental Foundations of Recent Quantum Technologies.
- 2007 Theoretical foundations of Quantum information processing and computations.  
University of Kwazulu- Natal
- 2008 UJ/CERN Higgs masterclass at Sci -Bono, Johannesburg.
- 2008 SA grid school, University of the Witwatersrand.
- 2009 UJ- Open Science Grid, University of Johannesburg.
- 2010 African School of Physics, South Africa
- 2011 South African Institute of Physics (SAIP) conference, Pretoria.