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**ADEOGUN** Abideen Idowu.

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Department: Chemistry

Academic Rank: Lecturer II

Current position:

Research Interest: Biophysical Chemistry

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## **DETAILED RESUME**

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### **ACADEMIC DEGREES WITH DATE**

- University of Ibadan, Ibadan Nigeria Feb. 2005 – Dec., 2009
  - University of Ibadan, Ibadan Nigeria Oct. 2004 – Feb., 2005
  - University of Ibadan, Ibadan Nigeria Jul. 2003 – Sept., 2004
  - University of Ilorin, Ilorin Nigeria May 1994 – Mar., 1999
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### **INSTITUTIONS ATTENDED WITH DATE**

- Ph. D (Biophysical Chemistry) December, 2009
  - Post Graduate Diploma in Education September 2008
  - M. Sc (Physical Chemistry) September 2004
  - B. Sc. (Industrial Chemistry) March 1999
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### **MEMBERSHIP OF PROFESSIONAL BODIES**

- Chemical Society of Nigeria.
  - Academic Staff Union of Nigerian University
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### **PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.**

- Chemical and allied products prize in experimental project in chemistry- 1997/98 session.
  - Departmental prizes 1997/98 session.
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### **COURSES TAUGHT**

#### **(2007/2008 Session)**

First semester: CHM 101, CHM 191, CHM 231, CHM 331.

Second semester: CHM 102, CHM 192, CHM 232, CHM 332, CHM 498, CHM 499.

#### **(2007/2009 Session)**

First semester: CHM 101, CHM 191, CHM 231, CHM 331.

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## RESEARCH CONDUCTED

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## PUBLICATION

### Dissertation:

1. The influence of allosteric effectors on the reactions of 5,5'-dithiobis(2-nitrobenzoate) with CysF9[93] $\beta$  sulphhydryl groups of the haemoglobin of sheep (*Ovis aries*). **PhD Thesis**
2. Perturbation of Spectral Properties of 3,4 -Diphenyl thiophene and 9-fluorenone by Polar and Non Polar Solvents. **M.Sc. Thesis**
3. Catalytic activities of oxidation reduction catalyst in automobile emission control. **B.Sc. Thesis.**

### Published Articles in Learned Journals

4. **Adeogun, A.I** and Bello, S.O (2007) "Perturbation of Spectral Properties of 3,4 – Diphenyl thiophene Polar and Non Polar Solvents" *African Journal of Biotechnology* Vol. 6 (22), pp. 2565-2567. <http://www.academicjournals.org/AJB>
5. Adeogun, A. I, Odozi, N. W, Obiegbedi N. O. and Bello O. S. (2008) "Solvents effect on  $n \rightarrow \pi^*$  and  $\pi \rightarrow \pi^*$  transition of 9-fluorenone" *African Journal of Biotechnology* Vol. 7 (15), pp. 2736-2738. <http://www.academicjournals.org/AJB>
6. O. S Bello, **A. I. Adeogun**, J. C. Ajaelu and E. O. Fehintola (2008): "Adsorption of methylene blue onto activated carbon derived from periwinkle shells: Kinetics and equilibrium studies" *Chemistry and Ecology* Vol. 24, No. 4, 285 – 295. [www.informaworld.com](http://www.informaworld.com)
7. K O Okonjo, **I Adeogun** , J. O Babalola (2009): Transition of haemoglobin between two tertiary conformations: Inositol hexakisphosphate increases the transition constant and the affinity of sheep haemoglobin for 5,5'-dithiobis(2-nitrobenzoate) *Biochimica et Biophysica Acta* 1794 398–409. <http://dx.doi.org/10.1016/j.bpc.2009.10.006>
8. M. D. Adeoye, **A. I. Adeogun**, S. Adewuyi, S. A. Ahmed, N. W. Odozi and N. O. Obi-Egbedi (2009) Effect of solvents on the electronic absorption spectra of 9,14 dibenzo

(a,c) phenazine and tribenzo (a, c, i) phenazine. *Scientific Research and Essay Vol.4 (2)*, pp. 107-111. <http://www.academicjournals.org/SRE/>

9. **Adeogun, A. I.** and Adeogun, M. B. (200): Effect of irradiation and extractive solvents on the Thevetia seed oil *African Journal of Biotechnology Vol. 8 (5)*, pp. 841-843. <http://www.academicjournals.org/AJB>

#### **Articles under review in Learned Journals**

1. Decomposition and nutrients release pattern of leaves, stems/vine and roots of selected leguminous and non-leguminous plant species. *Soil Biology and Biochemistry*.
2. Biosorption of lead ions on biosorbent prepared from plumb shells (*Spondias mombin*): Kinetics and equilibrium studies. *International Journal of Research in Physical Sciences*

#### **CONFERENCE ATTENDED**

1. 3<sup>rd</sup> International Conference on Science and National Development. Organised by the college of Natural Sciences University of Agriculture Abeokuta between 24<sup>th</sup> and 27<sup>th</sup> November, 2008
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