

Curriculum Vitae *Re: Jonnie N. Asegbeloyin (PhD)*

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Personal Details

Full Name: Jonnie Niyi Asegbeloyin

Gender: Male

Languages: English

Nationality: Nigerian

Country of Residence: Nigeria

Contact Address: Department of Pure and Industrial Chemistry,
University of Nigeria,
Nsukka, Enugu State,
Nigeria.

Summary of Research Career

I obtained a B.Sc. Hons (Chemistry) in 1993 and proceeded on compulsory one year National Youth Service Corps at the University of Nigeria, Nsukka. I obtained a M.Sc. Industrial Chemistry (Analytical) degree of the University of Nigeria, Nsukka in 1999. I was appointed an Assistant Lecturer in the Department of Pure and Industrial chemistry, UNN in 2001 and rose to the rank of Senior Lecturer in 2008. I obtained a PhD (Inorganic Chemistry) degree of the University of Nigeria, Nsukka in 2011.

Research Interests

- ✚ Ligand design and targeted modification
- ✚ Biological studies of novel organic ligands and their transition metal coordination compounds
- ✚ Coordination chemistry of 4-acylpyrazoloimines
- ✚ Analytical applications of organic molecules with good ligating properties for extraction and determination of metal ions in liquid media.
- ✚ Analysis of foods and the environment for potential precursors to toxic substances.

General Field of Expertise

Inorganic, Coordination and Organometallic Chemistry, Ligand Design and Synthesis, Analytical Chemistry and applications

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Education

Doctor of Philosophy in Chemistry (2011)

Department of Pure and Industrial Chemistry,
Faculty of Physical Sciences,
University of Nigeria, Nsukka.

Thesis: Synthesis, Characterization and antimicrobial screening of some 4-acylpyrazol-5-one Schiff bases and their Co(II), Zn(II), Ni(II), Cu(II), Fe(III) and Cr(III) complexes.

Master of Science in Analytical Chemistry (1999)

Department of Pure and Industrial Chemistry,
Faculty of Physical Sciences,
University of Nigeria, Nsukka.

Bachelor of Science (Chemistry) Honours (1993)

Department of Pure and Applied Chemistry,
Faculty of Physical Sciences,
University of Calabar, Calabar.

Employment History

1 Part-Time Demonstration (1995-2001)

Department of Pure and Industrial Chemistry
University of Nigeria, Nsukka.

Responsibilities: Teaching undergraduate practical classes

2 Assistant Lecturer (2001-2002)

Department of Pure and Industrial Chemistry
Faculty of Physical Sciences
University of Nigeria, Nsukka

Responsibilities: Research, Teaching and Supervision of undergraduate students Research Projects.

3 Lecturer II (2002-2005)

Department of Pure and Industrial Chemistry
Faculty of Physical Sciences
University of Nigeria, Nsukka

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Responsibilities: Research, Teaching and Supervision of undergraduate students Research Projects.

4 Lecturer I (2005-2008)

Department of Pure and Industrial Chemistry

Faculty of Physical Sciences

University of Nigeria, Nsukka

Responsibilities: Research, Teaching and Supervision of undergraduate students Research Projects.

5 Senior Lecturer (2008-)

Department of Pure and Industrial Chemistry

Faculty of Physical Sciences

University of Nigeria, Nsukka

Responsibilities: Research, Teaching and Supervision of undergraduate and postgraduate students Research Projects.

Awards / Grants

Professor D. U. Ekong's Prize for the best graduating student in Chemistry, University of Calabar, 1992/93.

Nigerian Education Trust Fund (ETF) sponsored Fellow, Department of Chemistry, Adnan Menderes University, Aydin, Turkey.

Selected Journal Publications

1. **J. N. Asegbeloyin**, O. T. Ujam, E. C. Okafor, I. Babahan, E. Poyrazoglu-Coban, A. Özmen and H. Biyik (2014) Synthesis, Characterization, and Biological Activity of *N*-[(*Z*)-(3-Methyl-5-oxo-1-phenyl-1,5-dihydro-4*H*-pyrazol-4-ylidene)(phenyl)methyl]benzohydrazide and Its Co(II), Ni(II), and Cu(II) Complexes. *Bioinorganic Chemistry and Applications*, <http://dx.doi.org/10.1155/2014/718175>
2. **J.N. Asegbeloyin**, E.C. Okafor, N.N. Ukwueze, I. Babahan and I. C. Agbo. (2014) Synthesis, characterization and antimicrobial screening of some 4-acylpyrazoloimines and some 3d transition metal (II) complexes. *Asian Journal. of Chemistry.*, Vol. 26(9),2753.
3. O. T. Ujam, **J. N. Asegbeloyin**, B. K. Nicholson, P.O. Ukoha and N. N. Ukwueze (2014). Crystal structure of *N*-(2-Chloroethyl) morpholine-4-carboxamide, *Acta Crystallographical E.*, (2014). E70, o463.
4. N. N. Ukwueze, P.O. Ukoha, O. T. Ujam, **J. N. Asegbeloyin**, and T. Groutso (2014). Crystal structure of *N*-[(*Z*)-1-(3-Methyl-5-oxo-1-phenyl-4,5-dihydro-1*H*-pyrazol-4-ylidene)hexyl] benzenesulfonohydrazide *Acta Crystallographical E.*, E70, o730.

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5. **J. N. Asegbeloyin**, O. T. Ujam, Ngige, C.M., Onwukeme, V.I. and T. Groutso (2014). Crystal structure of N-[(1E)-1-(6-methyl-2,4-dioxo-3,4-dihydro-2H-pyran-3-ylidene)ethyl] benzenesulfonohydrazide, Acta Crystallographical E, E70, o463
6. **J.N. Asegbeloyin**, E.C. Okafor, N.N. Ukwueze, I. Babahan and I. C. Agbo. (2014) Synthesis, characterization and *in vitro* antibacterial activity of Co(II), Cu(II) and Ni(II) complexes with 4-acylpyrazol-5-one Schiff bases. Asian Journal. of Chemistry., Vol. 26(23), 8127-8133.
7. U.S. Oruma, **J.N. Asegbeloyin**, F.U. Eze and K.F. Chah (2014). Synthesis, characterization and preliminary antimicrobial screening of (2Z,4Z)-4-(pyrimidin-2-ylimino) pent-2-en-2-ol (PIP) and its copper(II) and chromium(III) complexes. International Journal of Chemical Sciences, 12(1), 136-144.
8. **J. N. Asegbeloyin**, E.C. Okafor and I. Babahan (2014) Synthesis and characterization of 4-[[benzoyl-hydrazinyl]trifluoroacetyl]-3-methyl-1-phenylpyrazol-5-one *Journal of Chemical Society of Nigeria, Vol. 39, No. 1, 25-29.*
9. O.C. Okpareke, **J.N. Asegbeloyin**, E.C. Okafor, O.T. Ujam and S.O.E. Okereke (2012) Synthesis and spectroscopic characterization of cobalt (II) complexes of 1-pheny-3-methyl-4-acylpyrazol-5-one derivatives.. International Journal of Chemical Sciences, 10(4),1849-1858
10. C. U. Alioke, P.O. Ukoha, N.N. Ukwueze, Ujam, O.T. Obasi and **J.N. Asegbeloyin**, (2012). Kinetics and Mechanism of the reduction of N,N¹- salicylidene iminationiron (III) complex ion by L-ascorbic acid in aqueous acid medium. Journal of Chemistry and Materials Research, Vol. 2, No. 7, 48-57.
11. Ani, J.U., **Asegbeloyin, J.N.** and Menkiti, M.C. (2011). Physiochemical Characterization of Industrial Effluents: Case Studies of Beverage and Fibre-Cement Plants in Enugu, Nigeria. *New York Science Journal. 4(4).*
12. **Asegbeloyin, J.N.**, Onyimonyi, A.E., Ujam, O.T., Ukwueze, N.N. and Ukoha, P.O. (2011). Assessment of Toxic Trace Metals in selected Fish Species and Parts of Domestic Animals. *Pakistan Journal of Nutrition, 9 (31), 213 – 215.*
13. Ukoha, P.O., **Asegbeloyin, J. N.**, Alioke, C., and Ujam, O.T. (2010). Kinetics and Mechanism of the Oxidation of Dithionate ion by N,N¹- ethylenebis-salicylideneiminato] iron (III) complexes in aqueous perchloric acid medium. *Journal of Chemical Society of Nigeria, Vol. 35, No. 1, 163-170.*
14. Ujam, O.T., Nwadinigwe, C.A., **Asegbeloyin, J.N.** and Ukoha, P.O. (2009). Spectra, Structure and Biological Activities of N-phenyl-2-(2-thienyl) ethanehydrozonoyl chloride (TPH) and its Co(II), Ni(II) and Cu(II) Complexes. *International Journal of Chemistry, Vol. 19. No. 4, 233 – 239.*
15. Ebeledike, E.U, **Asegbeloyin, J.N.** and Nwokedi, G.I.C. (2008). Study of calcium and phosphorus contents of body fluids and excreta, fleshy parts and bones of some domestic animals. *International Journal of Chemistry, Vol. 18.No.4, 153-159.*

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16. Ukoha, P.O, Ejila, A., Maju, C. and **Asegbeloyin, J.N.** (2008). Tannic acid as a standard for the spectrophotometric determination of tannins. *Journal of Chemical Society of Nigeria*, **Vol. 33, No. 1**, 181-186.
17. Ujam, O.T, Nwadinigwe, C.A., Ukoha, P.O and **Asegbeloyin, J.N.** (2008). Synthesis, characterization and antimicrobial activity of an hydrazone derived from 2-thienyl acetylchloride and phenyl hydrazine and its Mn (II) and Zn (II) complexes. *International Journal of Chemistry*, **Vol. 18, No 1**, pp. 9-14.
18. Ukoha, P.O., Okafor, E.C., **Asegbeloyin, J.N**, and Obasi, N.L. (2007). Synthesis and spectroscopic characterization of 4-chloroacetyl-3-methyl-1-phenylpyrazol-5-one and its iron (III) complex. *International Journal of Chemistry*, **Vol. 17, No. 3**, 217-221.
19. **Asegbeloyin, J.N.** and Onyimonyi A.E. (2007). The effect of different processing methods on the residual cyanide of Gari'. *Pakistan Journal of Nutrition*, **6(2)**, 163-166.

Referees

Professor Chukwuemeka E. Okafor
Department of Pure and Industrial Chemistry
Faculty of Physical Sciences
University of Nigeria, Nsukka.

Prof. P.O. Ukoha
Department of Pure and Ind. Chemistry
Faculty of Physical Sciences
University of Nigeria, Nsukka.

Professor C. A. Nwadinigwe
Department of Pure and Industrial Chemistry
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University of Nigeria, Nsukka.

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