

CURRICULUM VITAE

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Place and date of birth: Sapele (Nigeria) 14th December 1954
Nationality: Nigerian
Permanent Home Address: 19 Ayede Street, Akinyemi Way, Ring Road, Ibadan.
Present Postal Address: University of Ibadan,
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Educational Institution

Attended (with dates): Government College, Ughelli. (1967-71)
University of Ibadan, Ibadan. (1972-76)
University of Ibadan, Ibadan. (1981-87) (Part-Time)

Academic Qualifications

(with dates): W.A.S.C. "O" Level, Grade 1 (Dec.,1971)
B.Sc. (Hons.) Chemistry, 2nd Class Lower (June 1976)
M.Sc. Chemistry (Nov., 1983)
Ph.D. Chemistry (March, 1987)

Present Employment: Chemistry Department,
University of Ibadan,
Ibadan.

Working Experience

(with dates): National Youth Service Corps (NYSC) (1976 - 1977)
A.G.G.S., Surulere, Lagos.

Chemistry Teacher (1978 - 1981)
Oyo State Central Schools' Board, Ibadan.

Graduate Assistant (Jan. 1982 - Dec. 1986)
University of Ibadan, Ibadan.

Associate Lecturer (Nov. 1987 - March 1988)

Lagos State University, Lagos.

Lecturer II (Apr. 1988 - Sept. 1990)

Obafemi Awolowo University, Ile-Ife.

Lecturer I (Oct. 1990 - Sept. 1994)

University of Ibadan, Ibadan.

Senior Lecturer (Oct. 1994 – Sept. 2002)

University of Ibadan, Ibadan.

Reader (Oct. 2002 – Sept. 2005)

University of Ibadan, Ibadan.

Visiting Reader (May 2006 – April 2009)

Olabisi Onabanjo University, Ago-Iwoye.

Professor (Oct. 2005 – date)

University of Ibadan, Ibadan.

Administrative

Responsibilities:

Departmental Level:

Departmental Examinations Officer (2003 – 2006)

Departmental Time-Table Officer (1993-1999)

Practical Demonstrators' Supervisor (1999-2002)

University Level:

Congregation Representative in Senate (2001-2005)

Member of Senate (2005 – date)

Faculty Rep. on UI Admission Model (2005 – 2006)
Faculty Rep. on CMCRAE (Admissions Com.) (2006 – 2008)
Senate Rep. at Senior Staff Disciplinary Com. (2005 – 2007)
Member (Co-opted) Senior Staff Disciplinary Com. (2007 – 2013)
Chairman, CMCRAE (Senate Admissions Com.) (2008 - 2013)
Focal Officer, SERVICOM Unit, VC's Office (2015 – 2021)

PUBLICATIONS:

1. K.S. Patel and **J.A.O. Woods**, *Preparation and Physicochemical Studies of some 3-Substituted-2,4-Pentanedionato Copper (II) Complexes and their Adducts*. Synth. React. Inorg. Met. –Org. Chem. 20, 97-109 (1990).
2. K.S. Patel and **J.A.O. Woods**, *Synthesis and Properties of Nickel (II) Complexes of various 3-Alkyl-2,4-Pentanediones and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. Synth. React. Inorg. Met. –Org. Chem. 20, 409-424 (1990).
3. K.S. Patel and **J.A.O. Woods**, *Synthesis and Physicochemical Properties of Bis (3-Alkyl-2,4-Pentanedionato) Copper (II) Complexes and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. Synth. React. Inorg. Met. –Org. Chem. 20, 909-923 (1990).
4. O.A. Odunola, **J.A.O. Woods** and K.S. Patel, *Synthesis and Physicochemical Studies of some Mn (II), Co (II) and Ni (II) Substituted Benzoates*. Synth. React. Inorg. Met. –Org. Chem. 22, 941-953 (1992).
5. O.A. Odunola, K.S. Patel and **J.A.O. Woods**, *Spectral and Magnetic Properties of some Divalent Metal Dibromoacetates*. International Jour. Chem. 3, 169-174 (1992).
6. **J.A.O. Woods** and K.S. Patel, *Nickel (II) Complexes of some 3-Substituted-2,4-Pentanediones and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. Synth. React. Inorg. Met. –Org. Chem. 24, 1557-1571 (1994).
7. O.A. Odunola and **J.A.O. Woods**, *Synthesis and Characterization of Mn (II), Co (II) and Ni (II) Cyanobenzoates*. Synth. React. Inorg. Met. –Org. Chem. 25, 405-416 (1995).
8. **J.A.O. Woods** and O.A. Odunola, *Metal (II) Tetrafluoroborates Complexes of 1,10-Phenanthroline and 2,2'-Bipyridyl*. J. Scien. Research 2, 30-34 (1995).

9. **J.A.O. Woods** and O.A. Odunola, *Synthesis and Properties of some Carboxylic Acid Hydrazone Complexes of Nickel (II) β -Diketonates*. Ghana J. Chem. 3, 21-26 (1997).
10. **J.A.O. Woods** and O.A. Odunola, *Synthesis and Properties of Nickel (II) and Copper (II) Complexes of 1-Phenyl-1,3-butanedione and their Adducts with Toluidines and Nitroanilines*. J. Scien. Research 3, 41-46 (1997).
11. F.A. Akangbe, J.K. Oloke, **J.A.O. Woods** and O.A. Odunola, *The Antimicrobial Activities of the Nickel (II) and Copper (II) Complexes of various β -Diketones and their Adducts*. Bioscience Research Communications 10(4), 317-322 (1998).
12. J.K. Oloke, F.A. Akangbe, O.A. Odunola and **J.A.O. Woods**, *Comparison of the Antimicrobial Activities of the Metal (II) Complexes of Barbituric Acid and Barbitone Sodium*. Bioscience Research Communications 10(4), 323-327 (1998).
13. A.A. Osowole, **J.A.O. Woods**, O.E. Fagade and O.A. Odunola, *The Effect of Substitution on the Antimicrobial Activities of some Copper (II) β -Ketoamines and their Adducts*. Nigerian J. Scien. 35(1), 21-26 (2001).
14. A.A. Osowole, **J.A.O. Woods**, O.E. Fagade and O.A. Odunola, *Bactericidal Activities of some Metal (II) β -Ketoamines and their Adducts*. Nigerian J. Scien. 35(1), 27-35 (2001).
15. A.A. Osowole, **J.A.O. Woods**, O.E. Fagade and O.A. Odunola, *The Effect of 3-Chloro-substitution on the Antimicrobial Activities of some Cobalt (II) β -Ketoamines and their Adducts*. Bioscience Research Communications 13(4), 429-433 (2001).
16. O.A. Odunola and **J.A.O. Woods**, *Synthesis, Electronic and Magnetic Properties of some 3-Substituted-2,4-Pentanedionato Oxovanadium (IV) Complexes and their 4-Methylpyridine Adducts*. Synth. React. Inorg. Met. –Org. Chem. 31(7), 1297-1310 (2001).
17. A.A. Osowole, **J.A.O. Woods** and O.A. Odunola, *Synthesis and Characterization of some Nickel (II) β -Ketoamines and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. Synth. React. Inorg. Met. –Org. Chem. 32(4), 783-799 (2002).
18. O.A. Odunola, I.O. Adeoye and **J.A.O. Woods**, *Synthesis and Structural Features of Copper (II) Complexes of Benzoic Acid and Methyl substituted Benzoic Acid Hydrazides and X-ray Structure of $\text{Cu}(\text{C}_6\text{H}_5\text{CONHNH}_2)_2(\text{NO}_3)_2$* . Synth. React. Inorg. Met. –Org. Chem. 32(4), 801-817 (2002).

19. A.A. Osowole, **J.A.O. Woods** and O.A. Odunola, *Physicochemical Properties of some Nickel (II) 3-Chloro- β -Ketoamines and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. International Jour. Chem. 12(1), 47-54 (2002).
20. A.A. Osowole, **J.A.O. Woods**, O.E. Fagade and O.A. Odunola, *The Effect of 2,2'-Bipyridine and 1,10-Phenanthroline on the Antimicrobial Activities of some Nickel (II) β -Ketoamines and Nickel(II) 3-Chloro- β -ketoamines*. Bioscience Research Communications 14(6), 531-535 (2002).
21. A.A. Osowole, **J.A.O. Woods** and O.A. Odunola, *Synthesis and Physicochemical Properties of some Copper (II) β -Ketoamines and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. Synth. React. Inorg. Met. –Org. Chem. 33(2), 167-182 (2003).
22. O.A. Odunola, I.O. Adeoye and **J.A.O. Woods**, *Synthesis and Characterization of Nickel (II) Complexes of Benzoic Acid and Methyl substituted Benzoic Acid Hydrazides and X-ray Structure of Ni (C₆H₅CONHNH₂)₃ Cl₂.3CH₃OH*. Synth. React. Inorg. Met. –Org. Chem. 33(2), 205-221 (2003).
23. O.A. Odunola, M.A. Oladipo, **J.A.O. Woods** and A.C. Gelebe, , *Synthesis and Structural Studies of Some Ternary Copper (II) Complexes Containing β -Diketones with 1,10-Phenanthroline and 2,2'-Bipyridine and X-ray Structure of [Cu (C₆H₅COCHCOCH₃)(bipy)Cl]*. Synth. React. Inorg. Met. –Org. Chem. 33(5), 857-871 (2003).
24. I.O. Adeoye, O.O.P. Faboya, O.A. Odunola and **J.A.O. Woods**, *Synthesis and Physicochemical Studies of Mn (II) Benzoates and their Adducts with Nitrogenous Bases*. International Jour. Chem. 14(1), 53-57 (2004).
25. I.O. Adeoye, **J.A.O. Woods**, O.O.P. Faboya and O.A. Odunola, *Syntheses and Physicochemical Studies of Manganese (II) Hydroxybenzoates and their Adducts*. Science Focus 6, 104-106 (2004).
26. **J.A.O. Woods**, M.A. Oladipo, F.A. Adekunle and O.A. Odunola, *Physicochemical Properties of some Copper (II) 3-Substituted 2,4-Pentanedione Complexes and their Adducts with Benzoic Acid Hydrazide*. Science Focus 7, 95-99 (2004).

27. **J.A.O. Woods**, A.A. Osowole, and O.A. Odunola, *Synthesis and Physicochemical Properties of Some β -Ketoamino Cobalt (II) Chelates and their Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline*. *Synth. React. Inorg. Met. –Org. Chem.* 34(8), 1471-1485 (2004).
28. M.A. Oladipo, **J.A.O. Woods** and O.A. Odunola, *Synthesis, Vibrational Spectra and Magnetic Properties of Cobalt(II), Nickel(II) and Copper(II) Complexes of Barbituric Acid*. *Science Focus* 10(1), 49-52 (2005).
29. **Woods, J.A.O.**, Omoregie, H.O., Retta, N., Chebude, Y. and Capitelli, F. *Synthesis and physicochemical Studies of Nickel(II) complexes of 2-substituted-1,3-diphenyl-1,3-propanedione, their 2,2'-bipyridine and 1,10-phenanthroline adducts and X-ray structure of (2,2'-bipyridine)bis(1,3-diphenyl-1,3-propanedionato) Nickel(II)*. *Synth. React. Inorg. Met. Org. Chem.* 39(10), 694-703 (2009).
30. **Woods, J.A.O.**, Omoregie, H.O., Retta, N., Capitelli, F. and Ivan da Silva. *Synthesis and Characterization of some Nickel(II) and Copper(II) complexes of 2-substituted-4,4,4-trifluoro-1-(2-thienyl)butane-1,3-dione (TTAH), their 2,2'-bipyridine and 1,10-Phenanthroline Adducts and X-ray Structure of (2,2'-Bipyridine)Bis(4,4,4-trifluoro-1-(2-thienyl)butane-1,3-dioanato)Nickel(II)*. *Synth. React. Inorg. Met. Org. Chem.* 39, 704-717 (2009).
31. A. O. Eseola, M. Zhang, J.-F. Xiang, W. Zuo, Y. Li, J. A .O. Woods, W.-H. Sun. *Synthesis and Characterization of Nickel (II) Complexes Bearing 2-(Imidazol-2-yl)pyridines or 2-(pyridin-2-yl)phenanthroimidazoles/oxazoles and Their Polymerization of Norbornene*. *Inorganica Chimica Acta*, 363(9) 1970 – 1978 (2010).
32. Eseola, Abiodun O., Li, Wen, Adeyemi, Olalere G., Obi-Egbedi, Nelson O. and **Woods. Joseph A.O.** *Hemilability of 2-(1H-imidazol-2-yl)pyridine and 2-(oxazol-2-yl)pyridine Ligands: Imidazole and Oxazole Ring Lewis Basicity, Ni(II) / Pd(II) Complex Structures and Spectra*. *Polyhedron* 29: 1891 – 1901 (2010).
33. H.O. Omoregie and **J.A.O. Woods**. *Physicochemical studies of copper(II) β -diketonate: Magnetic and spectral properties of copper(II) complexes of 2-alkyl-1-phenyl-1,3-butanedione, their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts*. *Archives of Applied Science Research* 2.4:7-16 (2010).

34. Adekunle, F.A., **Woods, J.A.O.**, Onawumi, O.O.E. and Odunola, O.A. *Synthesis, Characterization and Structural Studies of Nickel(II) Complexes of Some New Substituted Acid Hydrazides*. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 40: 430-437 (2010).
35. H.O. Omoregie and **J.A.O. Woods**. *Synthesis and Physicochemical Studies of Nickel(II) complexes of various 2-alkyl-1-phenyl-1,3-butanedione, their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts*. *International Journal of Chemistry* 3.1:24-35 (2010)
36. H.O. Omoregie and **J.A.O. Woods**. *Synthesis and Physicochemical Studies of some 2-substituted-1-phenyl-1,3-butanedionato Nickel(II) and Copper(II) complexes, their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts*. *International Journal of Chemistry* 3.1:207-215 (2010).
37. Adekunle, F.A., **Woods, J.A.O.**, Onawumi, O.O.E. and Odunola, O.A. *Synthesis and Characterization of Nickel(II) Complexes of Various Substituted Acid Hydrazides*. *Asian Journal of Chemistry*, 22: 5543-5550 (2010).
38. Eseola, A.O., Li, W., Sun, W.-H., Zhang, M., Xiao L. and **Woods J.A.O.** *Luminescent Properties of Some Imidazole and Oxazole Based Heterocycles: Syntheses, Structures, Substituent and Solvent Effects*. *Dyes & Pigments*, 88: 262 – 273 (2010).
39. Eseola, A.O., Sun, W.-H., Li, W. and **Woods, J.A.O.** *Syntheses of new imidazole ligand series and evaluation of 1-, 2- and 4,5-imidazole substituent electronic and steric effects on N-donor strengths*. *Journal of Molecular Structure*, 984, 117–124 (2010).
40. Odola, Adekunle J. and **Woods, Joseph A.O.** *Synthesis, characterization and antimicrobial activity studies of new nickel(II) mixed ligand complexes of disubstituted dithiocarbamates with ethylsalicylaldiminate*. *Archives of Applied Science Research*, 3: 4, 463-470 (2011).
41. Odola, A.J. and **Woods, J.A.O.** *New nickel(II) mixed ligand complexes of dithiocarbamates with Schiff base*. *Journal of Chemical and Pharmaceutical Research*, 3: 6, 865-871 (2011).
42. **Woods, J.A.O.** and Odola, A.J. *Synthesis, characterization and in vitro antimicrobial activity studies of N,N-Dialkyldithiocarbamate ligands and their nickel(II) complexes*. *Journal of Science Research*, 10: 1, 1-8 (2011).

43. Adekunle, F.A., **Woods, J.A.O.** and Odunola, O.A. *Synthesis, Physicochemical and Biological Studies of Cobalt(II) and Copper(II) Complexes of Benzoylacetic Acid Hydrazide*. Research Journal of Pharmaceutical, Biological and Chemical Sciences, 3(4): 1120-1127 (2012).
44. A.O. Eseola, H. Gorls, D. Geibig, W.-H. Sun, **J.A.O. Woods**, W. Plass. *Palladium(II) complexes bearing 2-(1H-imidazol/oxazol-2-yl)-pyridines: Synthesis, structures and ligand effects in Suzuki-Miyaura cross-coupling*. Journal of Organometallic Chemistry 754, 39-50 (2014).
45. Adekunle, F.A., **Woods, J.A.O.** and Odunola, O.A., *Synthesis, Physicochemical and Biological Studies of Cobalt(II) and Copper(II) Complexes of Benzoylacetic Acid Hydrazide*. Research Journal of Pharmaceutical, Biological and Chemical Sciences 3(4): 1120-1127 (2012).
46. Omoregie H.O., Fayomi O.M., Adeleke O.E and **Woods J.A.O.**, *Synthesis, spectroscopic properties and antimicrobial studies of copper (II) complexes with N-donor heterocyclic ligands*. Science Focus 18.1:36-43 (2013).
47. F.A.O. Adekunle, **J.A.O. Woods** and O.A. Odunola, *Zinc(II) Complexes of Symmetrical bis-hydrazide ligands: Synthesis, Characterization and Properties*. Research Journal of Pharmaceutical, Biological and Chemical Sciences 4(1) 398 – 404 (2013).
48. H. Oluwatola Omoregie, Nelson Obi-Egbedi and Joseph Woods, *Physicochemical studies of Copper β -diketonate. Magnetic and Spectral Properties of Copper(II) Complexes of 2-Substituted-1,3-Diphenyl-1,3-Propanedione, their 2,2'-Bipyridine and 1,10-Phenanthroline Adducts*. International Journal of Chemistry 6.1, 71-82 (2014)
49. A.O. Eseola, H. Gorls, D. Geibig, W.-H. Sun, **J.A.O. Woods** and W. Plass, *Palladium(II) complexes bearing 2-(1H-imidazol/oxazol-2-yl)-pyridines: Synthesis, structures and ligand effects in Suzuki-Miyaura cross-coupling*. Journal of Organometallic Chemistry 754, 39-50 (2014).
50. Omoregie H.O., Ojattah P., Adeleke O.E., **Woods J.A.O.** and Capitelli F., *Synthesis, spectral and antimicrobial studies of Nickel (II) complexes with nitrogen-containing ligands*. Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry 45, 469-476 (2015).

51. A.O. Eseola, H. Görls, **J.A.O. Woods** and W. Plass, *Cyclometallation, Steric and Electronic Tendencies In a Series of Pd(II)Complex Pre-catalysts Bearing Imidazole-phenol Ligands and Effects on Suzuki-Miyaura Catalytic efficiencies*. Journal of Molecular Catalysis A: Chemical 2015
52. O.F. Adekunle, R.J. Butcher, O. Bakare, **J.A.O. Woods** and O.A. Odunola, *Synthesis, Characterization and Crystal Structures of Mixed-Ligand Complexes of [Cu(bipy)₂N₃(ClO₄)] and [Cu(5,5'-DiMebipy)₂(N₃)](ClO₄)*. Indonesian Journal of Chemistry 16 (3), 249 – 259 (2016).
53. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass and A.O. Eseola. *Flexible, N-sulfonyl – substituted aliphatic amine ligands in palladium-catalyzed Suzuki–Miyaura C–C coupling: Influence of substituents bulkiness and co – ligand size*. Polyhedron 159: 182-191 (2019).
54. H.O. Oloyede, H. Görls, **J.A.O. Woods**, W. Plass and A.O. Eseola. *N-donor 2-(Sulfonamido)benzamide ligands, their palladium(II) coordination species and C–C coupling catalysis efficiencies*. Journal of Molecular Structure 1197, 336 - 344 (2019).
55. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass, A.O. Eseola. *The necessity of free and uncrowded coordination environments in biomimetic complex models: oxidative coupling by mixed-ligand cobalt (II) complexes of diazene-disulfonamide*. New Journal of Chemistry 43(46), 18322 – 18330 (2019)
56. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass and A.O. Eseola. *N-Donor-stabilized Pd(II) species supported by sulphonamide-azo ligands: Ligand architecture, solvent co-ligands, C-C coupling*. Journal of Molecular Structure 1199 (2020).
57. A.O. Eseola, H. Görls, **J.A.O. Woods**, W. Plass. *Single monodentate N-donor ligands versus multi-ligand analogues in Pd (II)-catalysed C–C coupling at reduced temperatures*. Polyhedron 182, 114507 (2020).
<https://doi.org/10.1016/j.poly.2020.114507>
58. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass, A.O. Eseola. *Coordination environment variations in multinuclear trigonal bipyramid Co(II) complexes bearing tetradentate sulfonamide N-donors and phenoxazinone synthase activities*. Inorganic Chimica Acta, 509, 119664 (2020) <https://doi.org/10.1016/j.ica.2020.119664>

59. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass, A.O. Eseola. *New cobalt(II) coordination designs and the influence of varying chelate characters, ligand charges and incorporated group I metal ions on enzyme-like oxidative coupling activity*. *New Journal of Chemistry*, 44, 14849 – 14858 (2020)
60. H.O. Oloyede, R.A. Akong, **J.A.O. Woods**, H. Görls, W. Plass, A.O. Eseola. *New Bidentate N-Sulfonyl-Substituted Aromatic Amines as Chelate Ligand Backbones: Pd Catalyst Generation in C–C Coupling via In Situ and Precatalyst Modes*. *Australian Journal of Chemistry*, 74(2), 101 – 110 (2020)
61. H.O. Oloyede, **J.A.O. Woods**, H. Görls, W. Plass, A.O. Eseola. *Influence of structural and thermal factors on phenoxazinone synthase activities catalysed by coordinatively saturated cobalt(III) octahedral complexes bearing diazene–disulfonamide N[^]N[^]N[^] chelators*. *Comptes Rendus. Chimie*, 23(2), 169 – 183 (2020)
62. R.A. Akong, H. Görls, **J.A.O. Woods**, W. Plass, A.O. Eseola. *ESIPT-inspired fluorescent turn-on sensitivity towards aluminium(III) detection by derivatives of O- and S-bridged bis-(phenol-imine) molecules*. *Results in Chemistry*, 3, 100236 (2021).
<https://doi.org/10.1016/j.rechem.2021.100236>
63. T.A. Ajayeoba, **J.O. Woods**, A.O. Ayeni, T.J. Ajayi, R.A. Akeem, E.C. Hosten, O.F. Akinyele. *Synthesis, crystallographic, computational and molecular docking studies of new acetophenone-benzoylhydrazones*. *Journal of Molecular Structures*, 1237, 130275 (2021). <https://doi.org/10.1016/j.molstruc.2021.130275>

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