CURRICULUM VITAE

I.	(a). Name:		ymond Akong <u>Akong</u>
	(b). <u>Date of Birth</u> :		July, 1981
	(c). <u>Department</u> :		iemistry ience
	(d). <u>Faculty</u> :	50	ience
II.	(a). First Academic Appointment:		sistant Lecturer
			9 September, 2017)
	(b). <u>Present Post (with dates)</u> :		cturer I
			October, 2023)
	(c). <u>Date of Last Promotion</u> :	10	October, 2023
	(d). <u>Date Last Considered (in cases where</u>	No	t Applicable
	promotion was not through):	INC	ot Applicable
III	University Education (with dates):		
	(a) University of Ibadan, Ibadan.		02 - 2006
	(b) University of Ibadan, Ibadan.		12 - 2014
	(c) University of Ibadan, Ibadan.	20	15 – 2023
IV	Academic Qualifications (with dates and gr	anting bodies):	
	(a) BSc (Industrial Chemistry) Ibada	n 20	06
	(b) MSc (Inorganic Chemistry) Ibadat	n 20	14
	(c) PhD (Inorganic Chemistry) Ibadar	n 20	23
V.	Professional Qualifications and Diplomas (with dates): N	il
VI.	Scholarships, Fellowships and Prizes (with	dates) in respect of	
	Undergraduate and Postgraduate work only	:	
	(a). Federal Government of Nigeria Underg	raduate Scholarship	
	Award	20	
	(b). Cross River State Government bursary		02
	(c). Federal Government of Nigeria/University		
	Needs Assessment (Revitalisation) Fund		1.0
	Training (AST)	20	19
VII.	Honours, Distinctions and Membership of I	Learned Societies:	
	(a). Dean's roll of honour		2001 - 2004
	(b). Outstanding academic performance by		
	Student Chemical Society of Nigeria (U	1 /	2003
	(c). Postdoctoral Fellowship (Research Stay	•	
	Academics and Scientists) at Friedrich	Schiller University German	-
	under DAAD Scholarship	(III Chapter)	2024
	(d). Member, Chemical Society of Nigeria	(U.I Chapter)	

Assistant Lecturer, University of Ibadan, Ibadan $2017 - 2020$ $2020 - 2023$ Lecturer I, University of Ibadan, Ibadan(b). Teaching Experience $2020 - 2023$ $2023 - Date(i) Undergraduate2017/18(Two [2] lecturers)700 - 700 -$	VIII.	Details of Teaching/Work Experience:		
Lecturer I, University of Ibadan, Ibadan $2020 - 2023$ $2023 - Date(b). Teaching Experience(i) Undergraduate(i) UndergraduateCHE 225 - Basic Inorganic Chemistryfor Non-Majors2017/182021/22 - 2022/232022/23(Two [2] lecturers)CHE 226 - Inorganic Chemistry II2016/17; 2022/23CHE 299 - Industrial Attachment I2016/17; 2022/23CHE 326 - Inorganic Chemistry III2016/17; 2022/23(Three [3] lecturers)CHE 299 - Industrial Attachment I2016/17 - 2023/24CHE 326 - Inorganic Chemistry IIINon-Majors/InorganicChemistry for Life andEarth SciencesCime [3] lecturers)(Three [3] lecturers)CHE 328 - Bioinorganic Chemistry2021/22CHE 328 - Bioinorganic Chemistry2021/22(Two [2] lecturers)(Two [2] lecturers)CHE 328 - Bioinorganic Chemistry2020/211 - 2023/24CHE 425 - Nuclear and Radiochemistry,2020/21 - 2021/22(Two [2] lecturers)(Two [2] lecturers)(Two [2] lecturers)CHE 426 - Inorganic Chemistry IV2020/21 - 2021/22CHE 428 - Special Topics in InorganicChemistryChemistry(Two [2] lecturers)(Two [2] lecturers)CHE 428 - Special Topics in InorganicChemistryChemistry2020/21; 2022/232023/24(Two [2] lecturers)(Ib 2006/21) lecturers)(ii) PostgraduateCHE 732 - Recent Advances inCoordination ChemistryCHE 735 - Seminar and Practical Demonstration2023/24(Three [3] lecturers)(CHE 33 - Advances in InorganicChemistry/Organometallics2023/24(Three [3] lecturers)(CHE 33 - Recent Advances inCoordination Chemistry/Organometallics2023/24(iii) Research Advances inCoordination Chemistry/OrganometallicsCoordina$		(a). <u>Work Experience</u>	n Thadan	2017 2020
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		Completed		
MSc - 2		BSc-6		
			MSc - 2	

(c). Administrative Responsibilities

(i)	Member, Departmental Maintenance, Safety and Security Committee	2017 - 2021
(ii)	Level Adviser/Registration officer 100L Chemistry & Industrial Chemistry	
	Students	2018 – Date
(iii)	Member, Departmental Welfare Committee	2021 - 2023
(iv)	Faculty Representative to Institute of Education	2023 – Date
(v)	Member, Departmental Postgraduate Registration/Examination Committee (M.Sc	
	Matters)	2023 – Date
(vi)	Member, Departmental Teaching Assistants/Demonstrators Allocating/Supervision	
	Committee	2023 – Date
(vii)	Member, Departmental Maintenance, Safety and Security Committee	2023 – Date
(d). <u>(</u>	Community Service	
(i)	President, O/L Cause of our Joy Curia, Seat of Wisdom Catholic Church U.I	2017 - 2019
(i) (ii)	•	2017 2017
	Member Parish Laity Council Neat of Wisdom Catholic Church LLL	2017 - 2019
· · · · ·	Member, Parish Laity Council, Seat of Wisdom Catholic Church U.I Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I.	2017 – 2019 2023 Date
(iii)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I	2023 – Date
(iii) (iv)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I	
(iii)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I Member, 2023 project planning committee, O/L Cause of our Joy Curia, Seat of	2023 – Date 2023
(iii) (iv) (v)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I Member, 2023 project planning committee, O/L Cause of our Joy Curia, Seat of Wisdom Catholic Church U.I	2023 – Date 2023 2023
(iii) (iv)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I Member, 2023 project planning committee, O/L Cause of our Joy Curia, Seat of Wisdom Catholic Church U.I Member, Finance sub-committee, Harvest Planning Committee, Seat of Wisdom	2023 – Date 2023
(iii) (iv) (v)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I Member, 2023 project planning committee, O/L Cause of our Joy Curia, Seat of Wisdom Catholic Church U.I Member, Finance sub-committee, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I	2023 – Date 2023 2023 2024
(iii) (iv) (v)	Secretary, Parish Pastoral Council, Seat of Wisdom Catholic Church U.I Secretary, Harvest Planning Committee, Seat of Wisdom Catholic Church U.I Member, 2023 project planning committee, O/L Cause of our Joy Curia, Seat of Wisdom Catholic Church U.I Member, Finance sub-committee, Harvest Planning Committee, Seat of Wisdom	2023 – Date 2023 2023

IX. <u>Research</u>:

(a). <u>Completed</u>:

- (i). Preparation of monoanionic and dianionic N-Sulfonyl amine chelators, their Pd(II) mixed ligand complexes (water, acetonitrile, pyridine as co-ligand). The prepared compounds showed Suzuki and Heck type C–C coupling activities.
- (ii). Design, synthesis and fluorescent properties of bis-imidazole based dyes. Molecular variation results in sensing of Cr(III) and Hg(II) ions.
- (iii). ESIPT-inspired fluorescent detection of Al(III) ion by O- and S-bridged bis-(phenol-imine) materials.
- (iv). Synthesis and antimicrobial activities of mixed ligand (trimethoprim and 2,2-bipyridine) metal(II) complexes; Structure, spectroscopic and antimicrobial properties of Cu(II) complexes of benzoyltrifluoroacetone, 1,10-phenanthroline and 2,2-bipyridine.
- (b). <u>In Progress</u>:

Preparation of organic/inorganic materials and their applications as sensors, in catalysis and magnetism. The search for new materials, in supramolecular chemistry, to give mechanistic insight into the operation of ions as well as aid the monitoring and detection of ions (beneficial or detrimental to man and his environment) continues to grow. More so, study of magnetic behaviour of materials enables a better understanding of information storage and device fabrication. Several materials have been prepared and characterised in this regard, and applications are currently been explored.

(c). Projects, Dissertation and Thesis:

Akong, R. A. (2014) Synthesis and characterisation of metal(II) [M= Co, Ni, Cu] complexes of 1,10-diaminodecane. MSc Project, University of Ibadan, Ibadan, 77 pp.

Akong, R. A. (2023) Synthesis, Characterisation and Fluorescence Properties of Substituted Imidazoles and Bridged Bis-phenol Ligands and Magnetic Behaviour of Their Metal Complexes. Ph.D Project, University of Ibadan, Ibadan, 451 pp.

X. <u>Publications</u>:

1. Omoregie, H. O., Eseola, A. O. and **Akong, R. A**. (2022). Mixed ligand complexes of copper(II) with benzoyltrifluoroacetone, 1,10-phenanthroline and 2,2'-bipyridine: structure, spectroscopic and antimicrobial properties. *Journal of Molecular Structure*, Vol. 1250, No. 131826: 1 – 6

2. Akong, R. A., Görls, H., Woods, J. A. O., Plass, W., Eseola, A. O. (2021). ESIPT-inspired fluorescent turn-on sensitivity towards aluminium(III) detection by derivatives of O- and S-bridged bis-(phenol-imine) molecules. *Results in Chemistry*, Vol. 3, No. 100236: 1 - 11

3. Eugene-Osoikhia, T. T., Ojeyemi, S. A., **Akong, R. A.**, Oyetunde, T., Onche, E. U., and Ayeni, F. (2021). Synthesis, Characterisation and Antimicrobial Studies of Metal(II) Complexes of Trimethoprim and 2,2' Bipyridine Heterocycle. *Nigerian Research Journal of Chemical Sciences*, Vol. 9. No. 1: 273 – 295

4. Aouina, A., Oloyede, H. O., **Akong, R. A.**, Abdelhak, J., Görls, H., Plass, W., and Eseola, A. O. (2021). Molecular variation and fluorescent turn-on detection of chromium(III) by three ESIPT-reactive 2,2'-(1,4-phenylenebis(5-phenyl-1H-imidazole-4,2-diyl))diphenols. *Journal of Photochemistry and Photobiology A: Chemistry*, Vol. 406. No. 113006: 1–8

5. Aouina, A., Oloyede, H. O., **Akong, R. A.**, Abdelhak, J., Görls, H., Plass, W. and Eseola, A. O. (2020). "Exploring Broad Molecular Derivatization as Tool in Selective Fluorescent Detection of Mercury(II) by a Series of Large Stokes Shift 1,4-Bis(5-phenyl-1*H*-imidazol-4-yl)benzenes" *Industrial & Engineering Chemistry Research*, Vol. 59. No. 52: 22398 – 22412

6. Oloyede, H. O., **Akong, R. A.**, Woods, J. A. O., Görls, H., Plass, W. and Eseola, A. O. (2021). 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 Chemistry*, Vol. 74: 101 – 110

- XI. <u>Major Conferences/Workshops Attended with Papers Read (in the last 5 years)</u>:
 - University of Ibadan-Wide Learning Management System Training in Collaboration with the Partnership for Enhanced and Blended Learning-West Africa 27th March – 9th June, 2023 (Represented Department of Chemistry)
 - (ii) 6th International Asian Congress On Contemporary Sciences, 27 29 May, 2022, Van, Turkey.
 Paper Read: R. A. Akong, J. A. O. Woods "Exploring Al(III) Sensing Potential of Some ESIPT Based Bis(S- and O-Bridged) Imine Fluorophores
 - (iii) The Conversation Africa/University of Ibadan Science Communication workshop, 14 October, 2021.
 - (iv) International Conference on Medical, Biological and Pharmaceutical Sciences (ICMBPS-21), 7 – 8 July, 2021, Accra, Ghana.
 Paper Read: Eugene-Osoikhia, T. T., Ojeyemi, S. A., Akong, R. A., Oyetunde, T., Onche, E. U., Ayeni, F. "Synthesis, Characterisation and Antimicrobial Studies of Metal(II) Complexes of Trimethoprim and 2,2'Bipyridine Heterocycle"

- (v) Istanbul International Modern Scientific Research Congress, 4 5 June, 2021, Istanbul, Turkey.
 Paper Read: Eugene-Osoikhia, T. T., Olawoyin, A. S., Oyetunde, T., Akong, R., Onoche, E. U., Oladosu, I. A. "Synthesis and Characterisation of Antibiotics Derivatives of Tricarbonyl(1-5-H-2-Methoxycyclohexadienylium)iron: A convenient route to antibiotics modification"
 (vi) 18 Commonwealth Chemistry Congress: Partnership for the Coole, 18 20 May, 2021
- (vi) 1st Commonwealth Chemistry Congress: Partnership for the Goals, 18 20 May, 2021.