

# CURRICULUM VITÆ

## Personal Data

**Name:** Jonah ACHEM  
**Sex:** Male  
**Place of Birth:** Alifeti – Apa Local Government Area  
**Date of Birth:** 15<sup>th</sup> October, 1972  
**State of Origin:** Benue  
**Local Govt. Area:** Apa  
**Nationality:** Nigerian  
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## Academic/ Qualifications

<u>Name of Institution</u>	<u>Qualification</u>	<u>Year</u>
University of Ibadan	Ph.D.	2019
University of Ibadan	M.Sc. Biochemistry	2006
University of Ilorin	B.Sc. Biochemistry	1994
Govt. Sec. Sch. Abejukolo	WASCE/ GCE	1986
Methodist Pry. Sch. Alifeti	Primary School Leaving Certificate	1981

## Work Experience

<u>Place of work</u>	<u>Position</u>	<u>Year</u>
University of Ibadan	Lecturer II	2022 to date
SouthWestern University, Okun –Owa	Lecturer II	2019 - 2021

Gracia Davina High School	Principal	2017 - 2019
S & J College, Mile 12, Lagos	Chemistry & Biology Teacher	2008 - 2017
Dream Seeds School, Ketu, Lagos	Chemistry & Biology Teacher	2006 – 2008
Tesmoh College, Agiliti, Lagos	Chemistry & Biology Teacher	2000 – 2004

## **RESEARCH**

1. Ph.D Thesis: Modulation of Mitochondrial – Mediated Apoptosis by Solvent Fractions of *Daniellia oliveri* (ROLFE) Stem Bark. Solvent fractions of *Daniellia oliveri* stem bark contains some bioactive compounds that can effectively scavenge reactive oxygen species and thus could exhibit anti-cancer, anti-inflammatory, anti-ageing and anti-tumour activity. *Daniellia oliveri* also promotes bax, cytochrome c and p53 proteins and suppresses bcl-2, thus substantiating the anti-tumour property of this plant by indigenous people.
2. M.Sc. Dissertation: Hypocholesterolemic Effects of Two Commonly Consumed Tropical Leafy Vegetables; *Vernonia amygdalina* and *Telferia occidentalis* in Rats Fed on High Cholesterol Diet. Consumption of *Vernonia amygdalina* and *Telferia occidentalis* exhibit significant health benefits, occurring through the modification of physiologic functions including various atherogenic lipid profiles and antioxidants in hypercholesterolemic rats.
3. B.Sc. Project Report: Effects of Feeding a Flavouring Agent on Phosphatase Activities of Some Rat Tissues. Administration of maggi solution to rats for a period of 28 days led to loss in activities of the phosphatase activity investigated. This loss in activities could be attributed to destruction of the organs (kidney and liver) studied.

## **Publications**

1. Achem, J., Onyiba, I.C., Akinwale, M.T., Malgwi, J.M., Bolarin, L.O., and Olorunsogo, O.O. (2020). Investigating the Modulatory Effect of Methanol Extract of *Daniellia oliveri* (ROLFE) Leaves on Mitochondrial Membrane Permeability Transition (MPT) Pore. *International Journal of Biochemistry Research & Review*, 29(9): 40-51.
2. Achem, J. Oyebode, O.T. Akinwale, M.T. Bolarin, O. Malgwi, J.M. and Olorunsogo, O.O. (2020). Solvent Fractions of *Daniellia oliveri* (ROLFE) Stem Bark Modulate Rat Liver Mitochondrial Permeability Transition Pore. *Archives of Basic and Applied Medicine* (8) 27 - 34.
3. Salemcity A.J. Awe S. Achem J. Akor, P.O. Abuh, O.V. (2017). Phytochemical Screening, Mineral Content Analysis and Assessment of Antibacterial Activity of Methanol Extract of *Newbouldia laevis* Leaf. *Saudi Journal of Pathology and Microbiology*. Vol.2, (6):192-196.

- Adaramoye, O. A., Achem, J., Akintayo, O. O., & Fafunso, M. A. (2007). Hypolipidemic effect of *Telfairia occidentalis* (fluted pumpkin) in rats fed a cholesterol-rich diet. *Journal of medicinal food*, 10(2), 330-336.
- Adaramoye, O. A., Akintayo, O., Achem, J., & Fafunso, M. A. (2008). Lipid-lowering effects of methanolic extract of *Vernonia amygdalina* leaves in rats fed on high cholesterol diet. *Vascular health and risk management*, 4(1), 235 – 241.

### **Conference Attended:**

- Biophysics in African Conference (25 – 29 September, 2023).
- 6<sup>th</sup> Unibadan Conference of Biomedical Research (10<sup>th</sup> – 14<sup>th</sup> July, 2018).  
Achem, J. Akinwale, M.T. Bolarin, O. Mohammed, J.M. and Olorunsogo, O.O. (2018). Modulation of Mitochondrial-Dependent Cell Death by Solvent Fractions of *Daniellia oliveri* Stem Bark.
- 5<sup>th</sup> Unibadan Conference of Biomedical Research (12<sup>th</sup> – 15<sup>th</sup> July, 2016).  
Achem, J. Akinwale, M.T. and Olorunsogo, O.O. (2016). Induction of Mitochondrial – Mediated Apoptosis by Certain Fractions of *Daniellia oliveri* stem bark in Rat Liver.
- 4<sup>th</sup> Unibadan Conference of Biomedical Research (1<sup>st</sup> – 4<sup>th</sup> July, 2014).  
Achem, J. Bolarin, O. Fagbola, H.A. Ndako, F.M. and Olorunsogo, O.O. (2014). The Modulatory Effects of Crude Ethanol Extract and Fractions of *Daniellia Oliveri* stem bark on mitochondrial Membrane Permeability Transition pore *in vitro*.
- 3<sup>rd</sup> Unibadan Conference of Biomedical Research (24<sup>th</sup> – 27<sup>th</sup> July, 2012).  
Theme: Biotechnology for Health and Sustainable Development.

**Research Interest & Activities:** Biomembrane: Effects of plant extract/fractions on mitochondrial membrane permeability transition pore

### **Service to National Bodies**

National Youth Service Corps (NYSC)

May, 1994 – May, 1995

### **Extra- Curricular Activities**

Reading, volleyball, Football & sightseeing.

## REFEREES

1. Prof. O. O. Olorunsogo  
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University of Ibadan  
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University of Ibadan  
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