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**CURRICULUM VITAE**

1. **Name:** BOLARINWA, Hakeem Sanya
2. **Present Position:** Associate Professor
3. **College/Department:** Natural and Applied Sciences/Physics, Electronics

and Earth Sciences

1. **Place and Date of Birth:**  Sango-Ota, Ogun State 08/03/1978
2. **State of Origin/Local Govt Area:** Oyo/ Ibadan North
3. **Marital Status:**  Married
4. **Number and Ages of Children:** Three, 3, 8 and 8 years old
5. **Residential Address:** Plot 10, Zone 4 Sikako Estate, Owo Ede
6. **Address for Correspondence:** Department of Physics, Electronics and Earth

Science Fountain University, Osogbo, Osun State, Nigeria.

Telephone(s): 08056668594, 08027534088, 08036546457, 08098636465

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1. **Educational Institutions Attended with Dates**

University of Calabar, Calabar, Nigeria 2009 - 2017

University of Calabar, Calabar, Nigeria 2005 - 2007

University of Ilorin, Ilorin, Nigeria 1999 - 2003

Sawonjo, High School, Sawonjo, Yewa, Ogun State 1998 - 1999

Ansarudeen Comprehensive College, Ota, Ogun State 1990 - 1995

Local Government School Two, Sango-Ota, Ogun State 1984 - 1989

1. **Academic Publications Obtained with Dates**

Doctor of Philosophy (Ph.D) Engineering Physics 2017

Master of Science (M.Sc) Engineering Physics 2007

Bachelor of Science (B.Sc) Physics (Second Class Lower Division) 2003

West Africa Examination Certificate 1999

School Leaving Certificate 1989

1. **Professional Qualifications with Dates**

2010, MNIP

1. **Training/ Professional Courses attended with Dates**
	* 1. Workshop on Effective Scientific Communication, Proposal Writing and Grant Management, held at OAU, from April-25th - 27th, 2012
2. **Membership of Professional Bodies/Societies**

2010, Nigeria Institute of Physics

2010, Nigeria Union of Radio Science,

2014, Material Science and Technology Society of Nigeria

1. **Work Experience with Dates**
	1. **Total Number of Years in the University System** 17 Years
	2. **Experience at University of Calabar**
		1. Tutorial Lecturer for Pre Degree Students 2005- 2008
		2. Computer Instructor 2005 – 2008
		3. Laboratory Demonstrator for all Levels 2005 – 2008
		4. Students registration 2005- 2008
		5. Secretary, Technical Sub-Committee, Conference on Information Technology for Economic Development, Organized by University of Calabar in Collaboration with University of West of Scotland 2008
	3. **Experience at Crescent University, Abeokuta**
		1. Position: Lecturer II Feb.2009 – Oct 2009
		2. SIWES Coordinator, College of Information and Communication Technology (CICOT) 2009
		3. Courses Taught During 2008/2009 Academic Session

CPS 203 Introduction to Digital Computer Systems I

 CPS 206 Structured programming I

 CPS 304 Structured Programming II

 CPS 403 Microcomputers and Microprocessor

* 1. **Present Employment**
		1. Employer Fountain University Osogbo
		2. Status Senior Lecturer
		3. Salary FUASS 5 step 2
		4. Lecturer II, Fountain University Osogbo Nov. 2009 – Sep. 2012
		5. Lecturer I, Fountain University Osogbo Oct. 2012 – Sept. 2017
		6. Senior lecturer, Fountain University Osogbo Oct. 2017 – Sept 2020
		7. Associate Professor, Fountain University Oct 2020- till date
1. **Courses Taught in Fountain University Osogbo**
	1. Courses Taught in 2009/2010 Academic Session
		1. PHY203 Electrical and Electronics Circuits (3 Credits)
		2. PHY309 Condensed Matter Physics (3 Credits)
		3. PHY361 Practical Physics 3 (1 Credit)
		4. PHY204 Waves and Optics (3 Credits)
		5. PHY208 Experimental Physics IV (3 Credits)
	2. Courses Taught in 2010/2011 Academic Session
		1. PHY203 Electrical and Electronics Circuits (3 Credits)
		2. PHY313 Electronics IIA (2 Credits)
		3. PHY361 Practical Physics 3 (1 Credit)
		4. PHY497 Seminar (2 Credits)
		5. PHY204 Waves and Optics (3 Credits)
		6. PHY208 Experimental Physics IV (3 Credits)
		7. PHY408 Electronics IIIA (3 Credits)
		8. PHY498 Project ( 6 Credits)
	3. Courses Taught in 2011/2012 Academic Session
		1. PHY103 Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY313 Electronics IIA (2 Credits)
		4. PHY361 Practical Physics 3 (1 Credit)
		5. PHY497 Seminar (2 Credits)
		6. PHY104 Experimental Physics I (1 Credit)
		7. PHY204 Waves and Optics (3 Credits)
		8. PHY208 Experimental Physics IV (3 Credits)
		9. PHY408 Electronics IIIA (3 Credits)
		10. PHY498 Project ( 6 Credits)
	4. Courses Taught in 2012/2013 Academic Session
		1. PHY103 Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY315 Digital Electronics Device and Systems (2 Credits)
		5. PHY351 Workshop Practise & Electr Software application (1 Credit)
		6. PHY361 Practical Physics III (1 Credit)
		7. PHY497 Seminar (2 Credits)
		8. PHY424 Introduction to Material Science (3 Credits)
		9. PHY498 Project ( 6 Credits)
	5. Courses Taught in 2013/2014 Academic Session
		1. PHY103 Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY315 Digital Electronics Device and Systems (2 Credits)
		5. PHY351 Workshop Practise & Electr Software application (1 Credit)
		6. PHY361 Practical Physics III (1 Credit)
		7. PHY497 Seminar (2 Credits)
		8. PHY424 Introduction to Material Science (3 Credits)
		9. PHY498 Project ( 6 Credits)
	6. Courses Taught in 2014/2015 Academic Session
		1. PHY103 Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY315 Digital Electronics Device and Systems (2 Credits)
		5. PHY351 Workshop Practise & Electr Software application (1 Credit)
		6. PHY361 Practical Physics III (1 Credit)
		7. PHY497 Seminar (2 Credits)
		8. PHY424 Introduction to Material Science (3 Credits)
		9. PHY498 Project ( 6 Credits)
	7. Courses Taught in 2015/2016 Academic Session
		1. PHY103 Introductory Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY315 Digital Electronics Device and Systems (2 Credits)
		5. PHY351 Workshop Practise & Electr Software application (1 Credit)
		6. PHY361 Practical Physics III (1 Credit)
		7. PHY497 Seminar (2 Credits)
		8. PHY104 Introductory Experimental Physics I (1 Credit)
		9. PHY424 Introduction to Material Science (3 Credits)
		10. PHY498 Project ( 6 Credits)
	8. Courses Taught in 2016/2017 Academic Session
		1. PHY103 Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY315 Digital Electronics Device and Systems (2 Credits)
		5. PHY317 Workshop Practise & Electr Software application (1 Credit)
		6. PHY319 Practical Physics III (1 Credit)
		7. PHY104 Introductory Experimental Physics (1 Credit)
		8. PHY497 Seminar (2 Credits)
		9. PHY424 Introduction to Material Science (3 Credits)
		10. PHY498 Project ( 6 Credits)
	9. Courses Taught in 2017/2018 Academic Session
		1. PHY103 Introductory Experimental Physics I (1 Credit)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY207 Practical Physics I ( 1 Credit)
		4. PHY351 Workshop Practise & Electr Software application (1 Credit)
		5. PHY361 Practical Physics III (1 Credit)
		6. PHY497 Seminar (2 Credits)
		7. PHY104 Introductory Experimental Physics II (1 Credit)
		8. PHY204 Waves and Optics (3 Credits)
		9. PHY208 Practical Physics II (1 Credit)
		10. PHY408 Vacuum Physics and thin film (3 Credits)
		11. PHY498 Project ( 6 Credits)
	10. Courses Taught in 2018/2019 Academic Session
		1. PHY201 Modern Physics I (2 Credits)
		2. PHY203 Electrical and Electronics Circuits (3 Credits)
		3. PHY315 Digital Electronics Circuits Device and Syst. I (2 Credits)
		4. PHY317 Workshop Practise and Electronic Software Applications
		5. PHY319 Practical Physics III (1 Credits)
		6. PHY401 Quantum Mechanics (2 Credits)
		7. PHY497 Seminar (1 Credit)
		8. PHY204 Waves and Optics (3 Credits)
		9. PHY208 Practical Physics ( 1 Credit)
		10. PHY408 Vacuum Physics and thin film ( 3 Credits)
		11. PHY498 Project ( 6 Credits)
	11. Courses Taught in 2019/2020 Academic Session
		1. PHY103 Introductory Experimental Physics (1 Credit)
		2. PHY201 Modern Physics I (2 Credits)
		3. PHY203 Electrical and Electronics Circuits (3 Credits)
		4. PHY315 Digital Electronics Circuits Device and Syst. I (2 Credits)
		5. PHY309 Condensed Matter Physics ( 3 Credits)
		6. PHY406 Atomic and Molecular Spectroscopy (3 Credits)
		7. PHY408 Vacuum Physics and thin film ( 3 Credits)
	12. Courses Taught in 2019/2020 Academic Session
		1. PHY103 Introductory Experimental Physics (1 Credit)
		2. PHY201 Modern Physics I (2 Credits)
		3. PHY203 Electrical and Electronics Circuits (3 Credits)
		4. PHY313 Analogue Electronics Circuits Device and Syst. I (2 Credits)
		5. PHY315 Digital Electronics Circuits Device and Syst. I (2 Credits)
		6. PHY309 Condensed Matter Physics ( 3 Credits)
	13. Courses Taught in 2019/2020 Academic Session
		1. PHY103 Introductory Experimental Physics (1 Credit)
		2. PHY201 Modern Physics I (2 Credits)
		3. PHY203 Electrical and Electronics Circuits (3 Credits)
		4. PHY210 Digital Electronics Circuits Device and Syst. I (2 Credits)
		5. PHY313 Analogue Electronics Circuits Device and Syst. II (2 Credits)
		6. PHY315 Digital Electronics Circuits Device and Syst. II (2 Credits)
		7. PHY309 Condensed Matter Physics ( 3 Credits)
		8. PHY406 Atomic and Molecular Spectroscopy (3 Credits)
		9. PHY408 Vacuum Physics and thin film ( 3 Credits)
	14. Courses Taught in 2020/2021 Academic Session
		1. PHY103 Introductory Experimental Physics (1 Credit)
		2. PHY201 Modern Physics I (2 Credits)
		3. PHY203 Electrical and Electronics Circuits (3 Credits)
		4. PHY210 Digital Electronics Circuits Device and Syst. I (2 Credits)
		5. PHY313 Analogue Electronics Circuits Device and Syst. II (2 Credits)
		6. PHY315 Digital Electronics Circuits Device and Syst. II (2 Credits)
		7. PHY406 Atomic and Molecular Spectroscopy (3 Credits)
		8. PHY408 Vacuum Physics and thin film ( 3 Credits)

1. **Details of Administrative and Leadership Experience in the University system**
	1. **Administrative experience**
2. Ag. HOD, Department of Physics, Electronics and Earth Science, Fountain University, Osogbo. 2017-till date
3. Level Adviser, Department of Physics, Electronics and Earth Science, Fountain University, Osogbo. 2014 – 2017
4. Examination Officer, Department of Physics, Electronics and Earth Science, Fountain University, Osogbo. 2014 – 2017
5. Coordinator Department of Physics, Electronics and Earth Science, Fountain University, Osogbo. 2011-2014

* 1. **Other appointments in Fountain University**
1. Chairman, College Seminar Lecture Series Committee 2017- 2019
2. Chairman, College of Natural and Applied Science Welfare Committee 2013 – till date
3. Member, Fountain University Central Research Committee 2018 – till date
4. Member, Fountain University Library and Publication Committee 2016-2017
5. Member, Laboratory Auditing and Training Committee. 2010-2015
6. Member, Fountain University Ventures Committee 2010-2015
7. Member, College Research and Publication Committee 2010-2012
8. Member, Fountain University Ceremonial Committee 2013-2015
9. Chairman, Ad-hoc Investigative Committee 2013
10. Chairman, MLS Building Committee 2019
	1. **Local/Community Service (e.g. Religious/Social or Political)**
11. Chairman, Fountain University Muslim Community Ramadan Committee 2017
12. Chairman, Fountain University Muslim Community Infrastructural Committee 2017-till date
13. Member, Fountain University Muslim Community Ramadan Committee 2018
14. Public Relation Officer Al-Ansor Trust Fund 2018 till date
15. Member Prison Visitation Group 2014- till date
	1. **National/International Assignments**
16. External Examiner, M Eng., LAUTECH, Osun State 2021
17. Treasurer, Nigerian Institute of Physics, Osun State Chapter 2019- till date
18. Section Editor, Fountain Journal of Natural and Applied Sciences 2017- till date
19. Reviewer, Journal of Nanostructure in Chemistry 2018- till date
20. Appointment as Internal Examiner, M. Sc (Chemistry), Fountain University 2017
21. Journal Manager, Fountain Journal of Natural and Applied Sciences 2014- till date
22. **Thesis/Dissertation**
23. Ph. D Engineering Physics: Synthesis and Characterization of SnO2 and TiO2 Modified Zinc Oxide Nanofibre by Electrospinning Techniques. University of Calabar. 2017
24. M. Sc. Engineering Physics: Comparative Analysis of Digital and Analogue Transmission Techniques along some NITEL Transmission Routes. University of Calabar. 2007
25. B. Sc. Physics: Fabrication and Electrical Characterisation of Iron-Clay Based Resistor. University of Ilorin 2003

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1. **Listing of Academic Publications**
2. Animasahun, Lukman. O. , Taleatu, Bidini. A., **Bolarinwa, Hakeem S**., I., Fasasi, Adeniyi. (2021). Synthesis of SnO2/CUO/SnO2 multi-layered structure for Photoabsorption: compositional and some interfacial structural studies. *Journal of Nigerian Society of Physical Sciences,* 3, 73-81.
3. **Bolarinwa, Hakeem. S.**, Onuu, Michael. U., Animasahun, Lukman. O., Alayande, Samson. O, Fasasi, Adeniyi. Y., (2020). Effect of tin on bandgap narrowing and optical properties of ZnO-Zn2SnO4 electrospun nanofibre composite, *Journal of Taibah University for Science, 14 (1), 1251-1261*
4. Animasahun, Lukman. O. , Taleatu, Bidini. A., **Bolarinwa, Hakeem S**., Egunjobi, Abiodun I., Fasasi, Adeniyi. Y., Eleruja, Marcus A. (2020). Investigation of the optical and dielectric behaviour of SnO2-CuO mixed oxides thin films, *Nigerian Journal of Pure and Applied, 33 (2) 3631-3640*
5. **Bolarinwa, Hakeem S**. Fajingbesi, Fawwaz E., Yusuf, Abdulhamid., Animasahun, Luqman. O., Babatunde, Yinusa, O. (2020). Design and construction of a low cost 30 kV variable DC power supply unit*. Nigerian Journal of Pure and Applied Sciences 33 (1), 3666-73*
6. Lawal, AbdulAzeez T., **Bolarinwa, Hakeem S**, Adeoye, Maryam D Abdulsalami, Ibrahim. O. ,Animasahun, Lukman. O., Alabi, Kazeem, A. (2019). Progress in carbon Progress in Carbon Nanotube-Based Electrochemical Biosensors – A Review. *Fountain Journal of Natural and Applied Sciences 8(2): 38 – 74*
7. Animasahun, Lukman. O. , Taleatu, Bidini A., **Bolarinwa, Hakeem S**., Fasasi, Adeniyi. Y., Eleruja, Marcus A., Obinajunwa, E. I. (2019). Spary Pyrolysis deposition and characterizations of dielectric sno2 thin films. *Fountain Journal of Natural and Applied Sciences 8(2): 11 – 20*
8. Yisau Odusote, Jamiu Jabar, **Bolarinwa, Hakeem S**., Adewale Akinbisehin (2019). Application of molecular interaction volume model in separation of Ti-Al alloys in vacuum distillation. *Vacuum. 169.* https:// doi.org/10.1016/j.vacuum.2019.108885
9. Abdulhamid Yusuf, Hakeem Bolarinwa, Lukman Animasahun, Yinusa Babatunde (2019). [Analysis of Experimental Solar Radiation Data for Osogbo, Nigeria](https://fountainjournals.com/index.php/FUJNAS/article/view/296). *Fountain Journal of Natural and Applied Sciences 8(1): 41 – 46*
10. **Bolarinwa, Hakeem. S.**, Ademola Ojo. D., Yusuf, Abdulhamid., Animasahun, Luqman. O. (2018). A Qualitative Study of Signal Strength Coverage of Digital Terrestrial Television in Ibadan South Western Nigeria. *Fountain Journal of Natural and Applied Sciences 7(1): 1 – 11*
11. **Bolarinwa, Hakeem. S.**, Onuu, Michael. U., Fasasi, Adeniyi. Y., Alayande, Samson. O, Animasahun. Luqman. O. Abdulsalami, Ibrahim. O, Egunjobi, Abiodun.I. (2017). Determination of optical parameters of zinc oxide nanofibre deposited by electrospinning technique. *Journal of Taibah University for Science 11 (6) 1245-1258*
12. Adeseluka, T. V., Alayande, Samson. O., Ofudje, A., **Bolarinwa, Hakeem. S**., Akinlabi, A. K. (2017). Optical Properties of electrosprayed chitosan and composite films. *Journal of Chemical Society of Nigeria 42(2)*
13. Alayande, Samson O**., Bolarinwa, Hakeem S**. Olatubosun, Adedoyin O., Fasasi, Adeniyi . Ajao, J O., Pelemo D.A. and Osinkolu G.A. (2016). Study of surface modification of electrospun polyethylene oxide composite fibre. *Fountain Journal of Natural and Applied Sciences 5, (2).*
14. Abdulsalami Ibrahim O; Semire Banjo; Isa Bello A ; Adenike Boyo O; **Bolarinwa, Hakeem S.**; Egunjobi Isiaka A. (2016). Fabrication of dye-sensitized solar cells using anthocyanidins from the extracts of Roselle (Hibiscus sabdariffa). *Fountain Journal of Natural and Applied Sciences 5 (1).*
15. Ibrahim Olasegun A., Bello Isah A., Semire Banjo, **Bolarinwa Hakeem S** and Boyo Adenike. (2016) Purity-performance relationship of anthocyanidins as sensitizer in dye-sensitized solar cells sensitizer in dye-sensitized solar cells. *International Journal of Physical Sciences. 8 (11), 104-111.*
16. **Bolarinwa, Hakeem. S**., Onuu, Michael U, Egunjobi, Abiodun. I. (2012). Fabrication, electrical characterisation and modeling of iron-clay composite resistor. *Elixir Chem. Phys. 48, 9192-9197.*
17. Egunjobi, Abiodun. I. Akomolafe Taiwo, **Bolarinwa, Hakeem .S**. Ajayi M.A. (2011) Microstructural analyses of cadmium sulphide thin film designed for solar radiation control in the tropics.  *International Journal of Material Science, Vol. 6 No. 3 313-320.*
18. **Bolarinwa, H.S**. Onuu, M.U., Bassey, D.E (2008). Appraisal of analogue transmission techniques along NITEL Exchanges Route. *Journal of Engineering and Applied Sciences, 3, (5)*. 385- 389.
19. **Bolarinwa, H.S**. Onuu, M.U., Bassey, D.E (2008). Performance assessment of digital transmission techniques along some NITEL exchange Route. *International Journal of Information Technology, 7 (6) 245-248.*
20. Egunjobi, Abiodun. I. Akomolafe Taiwo, **Bolarinwa, Hakeem. S**. Onuu, Michael.U (2008).

 Effect of temperature and thiourea on the growth rate of cadmium sulphide thin films designed

 for effective control ofsolar radiation in the tropics. *Nigerian Journal of Physics, 20 (2) 257-*

 *262.*

1. Egunjobi, Abiodun. I. Akomolafe Taiwo, **Bolarinwa, Hakeem .S**. Onuu, Michael .U (2008). Electrical and optical characteristics of cadmium sulphide thin films for space cooling in the tropics. *Nigerian Journal of Physics 20 (2) 263-273*
2. **Research Interest**
3. Material Science (Nanofibre, Thin film and nanoparticles)
4. Electronic Communication and Radio propagation

1. **Research in Progress**
2. Green Synthesis of Zinc Oxide Nanoparticle Thin Film as UV Photodetector Using Spray Pyrolysis Technique
3. Deposition and Characterisation of Cobalt doped Hematite and its application for Visible light detection using Spray Pyrolysis

1. **Conferences/Workshops attended**
2. Workshop on Effective Scientific Communication, Proposal Writing and Grant Management, held at OAU, from April-25th - 27th, 2012
3. Nigerian Union of Radio Sciences held at FUTA, from December 3rd - 5th , 2010
4. Nigerian Institute of Physics held at University of Ibadan, from November 13th – 16th, 2010
5. Nigerian Union of Radio Science held at OAU from December 3rd – 5th, 2008
6. Conference on Information Technology and Economic Development held at UNICAL from July 25th-27th, 2008
7. Nigerian Institute of Physics held at Lagos state University, from August 16th - 19th, 2007
8. Nigerian Institute of Physics held at University of Nigeria Nsukka, from August 16th – 19th , 2006
9. **Referees**

Prof M. U. Onuu

Department of Physics

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Prof. A. Y. Fasasi

Centre for Energy and Research

OAU, Ife

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Prof. A. T. Lawal

Department of Chemical Sciences

Fountain University, Osogbo

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1. Signature  Date 17th May, 2021