**CURRICULUM VITAE** 

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| Personal Details |  |
| 1. Name | Animasahun, Lukman Olalekan |
| 1. College | College of Applied and Natural Sciences |
| 1. Department | Department of Physics, Electronics and Earth Sciences |
| 1. Nationality | Nigerian |
| 1. State of Origin/ LG | Osun State/ Ife East Local Government |
| 1. Married Status | Married |
| 1. Number and Age of Child | One (1); Seven (7) years |
| 1. Residential Address | 13 Binta Saka Street, Eleyele Estate, Osogbo. |
| 1. Address for Correspondence     Telephone Number  Institutional Email Address | C/o Department of Physics, Electronics and Earth Sciences, Fountain University Osogbo, P.M.B. 4491, Osogbo, Osun State.  +2347031927883, animasahun.lukman@fuo.edu.ng |
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1. **Educational Institutions attended with dates**

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| **Date** | **Institutions** |
| 2018 – till date | Obafemi Awolowo University, Ile Ife. |
| 2012 - 2015 | Obafemi Awolowo University, Ile Ife. |
| 2003 - 2008 | Ladoke Akintola University of Technology, Ogbomosho. |

1. **Academic Qualifications obtained with dates**

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|  | |  | |  | |
| 2015 | | Master of Science (M Sc) | | Engineering Physics (Materials Science) | |
| 2008 | | Bachelor of Technology (B Tech) | | Pure and Applied Physics | |
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1. **Professional Qualification(s) with dates**

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| 2010 | | Associate | Nigeria Institute of Management (Chartered) | | |
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1. **Work Experience with dates**
2. **Work experience in the University**

2016 – 2020 Assistant Lecturer Fountain University, Osogbo

Courses taught at the University Level (subject area of specialization)

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| Undergraduate | |  |  |
| **Course** | **Descriptions** | | **Field** |
| PHY 401  PHY 404  PHY 405 | Quantum Mechanics II  Semiconductor Technology/Design and Fabrication of Electroctnic Materials  Nuclear and Particle Physics II | | Theoretical Physics  Electronics  Nuclear Physics |
| PHY 424 | Introduction to Materials Science | | Applied Physics |
| PHY 301 | Quantum Mechanics I | | Theoretical Physics |
| PHY 305 | Semiconductor Physics and Properties of Materials | | Solid State Physics |
| PHY 309 | Introductory Condensed Matter Physics | | Solid State Physics |
| PHY 311 | Nuclear and Particle Physics I | | Nuclear Physics |
| PHY 313 | Analogue Electronic Devices & Systems II | | Electronics |
| PHY 214  PHY 210 | Modern Physics II  Analogue Electronic Devices & Systems I | | Theoretical Physics  Electronics |
| PHY 208 | Experimental Physics II | | General Laboratory |
| PHY 207 | Analytical Mechanics I | | Classical Physics |
| PHY 206 | Energy and Society | | Applied Physics |
| PHY 202 | Analytical Mechanics II | | Classical Physics |
| PHY 103  PHY 104 | Introductory Experimental Physics I  Introductory Experimental Physics II | | General Laboratory  General Laboratory |
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**14.** **Work experience in other organisation(s)**

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| Date | Institution | Status | Responsibility |
| 2010 – 2011 | FlyingDove Institute of Information Technology | Instructor/ Remedial Programme Coordinator | Lecture room instruction and Programme coordination |
| 2009 – 2010 | Physics Department, Kogi State University | Graduate Assistant | Leading undergraduate tutorial sessions and grading C.A. |
| 2007 – 2008 | Solar Electric Systems (Ltd) | Quality Control Officer | Supervision and monitoring of Solar-power devices & systems |
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1. **Details of Administrative and Leadership Experience in the University system**

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| Date | | Responsibility | Department/Unit |
| 2017 till date | | Departmental SIWES Coordinator | Physics/SIWES Unit |
| 2018 | | Member, JUPEB Committee | Sub-Degree and Professional Programmes |
| 2018 till date | | JUPEB Coordinator | Sub-Degree and Professional Programmes |
| 2019 till date | | Secretary, Committe on Laboratory Matters | CONAS |
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1. **Thesis/Dissertation**

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| Date | Title | Degree | Institution |
| 2015 | Synthesis and characterization of SnO2-CuO composite thin films for sensing applications | M Sc | Obafemi Awolowo University, Ile Ife |
| 2008 | Design and implementation of mobile photovoltaic electric generator for spectrum analyzer | B Tech | Ladoke Akintola University of Technology, Ogbomoso |
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**20.** **Journal Articles/Manuscripts**

1. Adewinbi, S. A., Busari, R. A., **Animasahun, L. O.**, Omotoso, E., & Taleatu, B. A. (2021). Effective pseudocapacitive performance of binder free transparent α-V2O5 thin film electrode: Electrochemical and some surface probing. *Physica B: Condensed Matter*, *621*, 413260. <https://doi.org/10.1016/j.physb.2021.413260>
2. **Animasahun, Lukman O.**, Taleatu, Bidini A., Adewinbi, Saheed A., Fasasi, Adeniyi Y. (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*(2), 74–81. <https://doi.org/10.46481/jnsps.2021.160>
3. **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 Sciences* 33 (2), 3631-3640. <http://dx.doi.org/10.48198/NJPAS/20.B01>
4. 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* <https://doi.org/10.1080/16583655.2020.1816369>
5. Bolarinwa, Hakeem S., Fajingbesi, Fawwaz E., Yusuf, Abdulhamid, **Animasahun, Lukman 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.* [*http://dx.doi.org/10.48198/NJPAS/19.B15*](http://dx.doi.org/10.48198/NJPAS/19.B15)
6. **Animasahun, Lukman O.**, Taleatu, Bidini A., Bolarinwa, Hakeem S., Fasasi, Adeniyi Y., Eleruja, Marcus A., Obinajunwa, E. I. (2019). Spray Pyrolysis deposition and characterizations of dielectric SnO2 thin films. *Fountain Journal of Natural and Applied Sciences 8(2): 11 – 20*. <https://doi.org/10.53704/fujnas.v8i2.270>
7. Lawal, A., Bolarinwa, H., Adeoye, M., Abdulsalami, I., **Animasahun, L.O.**, & Alabi, K. A. (2019). Progress in Carbon Nanotube-Based Electrochemical Biosensors – A Review. *Fountain Journal of Natural and Applied Sciences*, *8*(2). <https://doi.org/10.53704/fujnas.v8i2.336>
8. Yusuf, Abdulhamid., Bolarinwa, Hakeem S., **Animasahun, Lukman O.**, Babatunde, Yinusa, O. (2019). Analysis of experimental solar radiation data for Osogbo, Nigeria. *Fountain Journal of Natural and Applied Sciences 8(1): 41 – 46.* <https://doi.org/10.53704/fujnas.v8i1.296>
9. Bolarinwa, Hakeem S., Ademola Ojo D., Yusuf, Abdulhamid, **Animasahun, Lukman 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.* <https://doi.org/10.53704/fujnas.v7i1.169>
10. Bolarinwa, Hakeem S., Onuu, Michael U., Fasasi, Adeniyi Y., Alayande, Samson O., **Animasahun, Lukman 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.* [*https://doi.org/10.1016/j.jtusci.2017.01.004*](https://doi.org/10.1016/j.jtusci.2017.01.004)

**21.** **Research Interests**

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| Areas of Investigation | Sub-field | Field |
| Electronic materials and devices | Applied Condensed Matter/Materials Physics | Applied Physics |
| Nano-phase and  nanostructured materials | Materials synthesis and characterizations | Nano-scale science and technology |
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**22.** **Research in Progress**

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| Project Title | Investigation of photoconductive properties of cobalt doped Fe2O3 |
| Introduction | Hematite has a favorable bandgap for solar radiation absorption and conversion. However, it has a poor carrier transport property which limits its applications in optoelectronics and solar hydrogen production despite its abundance and non - toxicity. Hence the need to improve its carrier transport behaviour. |
| Aim/Objectives | To prepare a good photoanode material for hydrogen production via water splitting. |
| Methodology | Hydrothermal synthesis technique, electron microscopy, EDS, UV – Visible spectrophotometry, FTIR and photolysis of water. |
| Expected result | A better photoanode material with good solar absorption and improved carrier mobility. |
| Contribution to knowledge | Provide information about the effect of doping hematite with cobalt |
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**23.** **Conferences/Workshops**

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| Date | Conference/Workshop | Location |
| 2019  2018  2017  2012 | JUPEB Workshop on ‘Enhancing Tutors’ Capacity Towards Actualizing Students’ Academic Excellence’ (2019)  JUPEB Workshop on ‘Improving Students’ Academic Performance in JUPEB Examinations’ (2018)  Fountain University Academic Planning Unit Workshop on ‘Use of Information Technology to Enhance Academic Activities’ *(2017*  Materials science and technology Society of Nigeria Conference (NIMACON, 2012) | Obafemi Awolowo University, Ile Ife  University of Lagos, Lagos  Fountain University, Osogbo  CERD, O.A.U, Ile Ife |
| 2007 | National Remote Sensing Seminar | NASDAR, Jos |
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**24**. **Extra-Curricular Activities: Travelling and meditation**

**25.** **Referees**

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|  |  |
| Name | **Prof. A.Y. Fasasi (PhD Grenoble, France)** |
| Institution | Center for Energy Research and Development, |
| Address | Obafemi Awolowo University, Ile Ife, Osun State  [afasasi@cerd.gov.ng](mailto:afasasi@cerd.gov.ng), [afasasi@oauife.edu.ng](mailto:afasasi@oauife.edu.ng) |
| Capacity | Postgraduate Supervisor and Mentor |
| Name | **Prof. F.A. Balogun (PhD Surrey, United Kingdom)** |
| Institution | Center for Energy Research and Development, |
| Address | Obafemi Awolowo University, Ile Ife, Osun State  [abalogun@cerd.gov.ng](mailto:abalogun@cerd.gov.ng), [abalogun@oauife.edu.ng](mailto:abalogun@oauife.edu.ng) |
| Capacity | Postgraduate Supervisor and Mentor |
| Name | **Prof. Y.K. Sanusi** |
| Institution | Ladoke Akintola University of Technology, Ogbomosho |
| Address | Department of Pure and Applied Physics  [yksanusi@gmail.com](mailto:yksanusi@gmail.com) |
| Capacity | Lecturer |
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Signature and Date: 

