

# GORDON ADANE

## (POSTGRADUATE STUDENT: BIOTECHNOLOGY)

Al –Faruq College of Education  
 Department of Science  
 Post Office Box 146, Wenchi, B/A. Region.  
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3<sup>th</sup> March, 2021.

### QUALIFICATION /EDUCATION

<b>PhD. Biotechnology</b> 2 year Semester I: Teaching experience, Laboratory Rotation (on-going) 1 year Semester II coursework: Advances in Nucleic Acid and Protein, Applied Multivariate Statistics, 1 year Semester I Coursework: Advance cell Biology II, Recent trends in Molecular Genetics, Bioremediation and Waste Management of Polluted Resources, Research Methods and Scientific Writing II Research and Seminar I	2019 -2023 (Pending)
<b>Master of Science (Biotechnology)</b> School of Graduate Studies KNUST, Kumasi <ul style="list-style-type: none"> <li>Research work /Thesis: Isolation and characterisation of petroleum degrading bacteria from some petroleum storage facilities within the Kumasi metropolitan area.</li> </ul> <b>Concentration:</b> Industrial Biotechnology <ul style="list-style-type: none"> <li>Relevant coursework: Industrial Microbiology, Industrial Biotechnology, Environmental Biotechnology, Bio-safety and Bioethics, Agricultural Biotechnology (I), Agricultural Biotechnology (II), Food Biotechnology Design of Experiments, Fermentation and Enzyme Technology (I) Fermentation and Enzyme Technology (II)</li> </ul>	June 2013
<b>Bachelor of Science (Agriculture–Technology)</b> University for Development Studies, Tamale <b>Relevant coursework:</b> Botany, zoology, Genetics, introduction to Biochemistry, Principles of Animal Nutrition, Crop Physiology, Bio-technology, Crop Physiology, Introduction to Animal Science, Entomology, Anatomy and Physiology of Farm animals	June 2006
<b>SSSCE (General Science option i.e. Physics, Chemistry and Biology )</b> Technology Senior Secondary School –Kumasi	1999

## Experience / Positions held

- ❖ **Tutor:** Al –Faruq College of Education (AFCoE), Wenchi. 1<sup>st</sup> Sept. 2016–present.
- ❖ **Project Work Co-ordinator:** Al –Faruq College of Education -Wenchi. Oct. 2018–to date.
- ❖ **Head of Science Department:** Al –Faruq College of Education Nov. 2016 to – Oct. 2018.
- ❖ **T-TEL team member:** College improvement programme - (AFCoE) –May 2018–present.
- ❖ **Member:** Ghana National Association of Teachers (NAGRAT): 2013 –2016.
- ❖ **Member:** Colleges of Education Tutors Association of Ghana CETAG: 2018- to date.
- ❖ **Chemistry Teacher:** Nsawkaw State SHS, Tain -District, Jan. 2012–July, 2016.
- ❖ **Form master Three Science C (3c):** Nsawkaw State SHS Aug. 2013 - Sept. 2016

## Industrial Experiences

•	Isolation and Characterization of microorganisms (Bacteria) –Centre for Scientific Research into Plant Medicine Akuapim Mampong, Eastern Region	2012
•	Gas chromatography analysis on petroleum hydrocarbons using the mass spectrometer coupled with FID, Tema Oil Refinery (TOR), Tema.	2012
•	Isolation and Characterization of microorganisms (Bacteria)–Department of Biological Science and Department of Biochemistry and Biotechnology (Clinical Analysis Laboratory) –KNUST	2011
•	Guinness Ghana limited (Industrial Attachment) –Kumasi	2009
•	Scientific outrage program on Genetically Modified Organisms (GMOs) at Kwadaso Agricultural College, Kumasi	2009

## Workshops

- ❖ 3-Day Training Workshop for College Course Leads in Curriculum Studies in Science. Wesley College Of Education – Kumasi. 11<sup>th</sup> – 13<sup>th</sup> March, 2020
- ❖ 4-Day Training Workshop for College Course Leads on Course Manual and Professional Development Guide. Tumu College Of Education 24<sup>th</sup> -27<sup>th</sup> September, 2019
- ❖ College Based Workshop -Tamale (UDS-Dungu Campus) 16<sup>th</sup> -18<sup>th</sup> Sept 2019
- ❖ T-TEL workshop: Bagabaga College of Education, Tamale, 24<sup>th</sup> -29<sup>th</sup> October, 2018
- ❖ T-TEL workshop: St. Monica's College of Education, Ashanti Mampong, 24<sup>th</sup> -29<sup>th</sup> June, 2018
- ❖ Action research workshop: Al-Faruq College of Education –Wenchi, 16<sup>th</sup> May, 2018.
- ❖ Trainer of trainers workshop: University of Cape Coast, 25<sup>th</sup> -27<sup>th</sup> October 2017

- ❖ Secondary Education Improvement program (SEIP), Opoku Ware SHS –Kumasi, Aug. 2016
- ❖ Secondary Education Improvement program (SEIP), Opoku Ware SHS –Kumasi Sept. 2015

### **Competencies**

- ❖ Proficient in the use zooms and Google classroom to deliver lessons
- ❖ Proficient in typing, MS Word, PowerPoint, Excel
- ❖ Proposal writing
- ❖ Data analysis using SPSS
- ❖ Multitasking
- ❖ Team player
- ❖ Molecular Techniques

### **Book Publication:**

Gordon Adane, Zakpaa H.D., Mak Mensah (2016). Metabolic Potentials of Isolated Hydrocarbon Degrading Bacteria. Lambert Academic Publishing, Germany. ISBN-13: 978-3-659-74469-3

### **Full Length Research Paper:**

Adane G., Zakpaa H.D., Mak Mensah E.E. (Feb., 2015). Biodegradation potentials of bacterial isolates from petroleum storage facilities within the Kumasi Metropolitan area. *ajmr.org*. Vol. 9(7), pp. 433-447.

### **Conference Presentation:**

Adane G., Zakpaa H.D., Mak Mensah E.E. (July, 2014). Isolation and Characterization of Hydrocarbon –Degrading Bacteria from some Petroleum Storage Facilities within the Kumasi Metropolitan Area. 7th Annual International *Applied Research Conference*, Koforidua Polytechnic.

## REFERENCES

- ❖ Prof. Hilary Domakyara Zakpaa (Senior Lecturer)  
Department of Biochemistry and Biotechnology, College of Science.  
Kwame Nkrumah University of Science & Technology (KNUST) –Kumasi.  
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- ❖ Prof. Antonia Tetteh (Head of Department)  
Department of Biochemistry and Biotechnology, College of Science.  
Kwame Nkrumah University of Science & Technology (KNUST) –Kumasi.  
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- ❖ Mr. Wahab Sualihu (Principal)  
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