



# Curriculum Vitae

## Personal Data:

*Name:* JOHN EKOW MBIR AMOAH  
*Postal Address(es):* FACULTY OF SCIENCE EDUCATION,  
DEPARTMENT OF BIOLOGY EDUCATION,  
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*Cell Phone:* +233-244-773 097 / 020-4020 136  
*Email Address(es):* jemamoah@uew.edu.gh  
*Date of Birth:* 8<sup>th</sup> March, 1979  
*Nationality:* Ghanaian

## Areas of Expertise or Professional Skills:

- ❖ Biology Curriculum Implementation
- ❖ Senior High School Science Teachers In-Service needs
- ❖ Improving students' biological drawings

## Professional Qualification(s):

<i>Rank</i>	<i>Supporting Evidence</i>	<i>Period</i>
PHD	Doctor of Philosophy in Science Education	2015 - 2018
MPHIL	Master of Philosophy in Science Education	2009 - 2011
PGD MIS	Post Graduate Diploma, Management in Information Systems	Jan - Dec. 2009
B.ED	Bachelor of Science Education	2004 - 2008
CERT 'A'	3-Yr Post-Sec.	1998 - 2001

## Professional Responsibilities:

<i>Position</i>	<i>Office/Location</i>	<i>Period</i>
<i>Team Leader</i>	<i>UCC, CODE</i>	<i>Nov. 2021</i>
<i>Team Leader (WASSCE)</i>	<i>WAEC, MEMPEASEM, Cape Coast</i>	<i>Nov.2021</i>
<i>Team Leader (BECE)</i>	<i>WAEC, MEMPEASEM, Cape Coast</i>	<i>Jan. 2022</i>
<i>Chief Examiner</i>	<i>National Teaching Council</i>	<i>Sept.2022</i>

**Education:**

JULY 2018	<b>UNIVERSITY OF EDUCATION, WINNEBA</b> <i>Doctor of Philosophy in Science Education</i>
JULY 2011	<b>UNIVERSITY OF EDUCATION, WINNEBA</b> <i>Master of Philosophy Science Education</i>
DEC.2009	<b>GHANA INSTITUTE OF MANAGEMENT AND PUBLIC ADMINISTRATION</b> <i>Post Graduate Diploma, Management in Information Systems</i>
JULY 2008	<b>UNIVERSITY OF EDUCATION, WINNEBA</b> <i>Bachelor of Science Education</i>
JUNE 2002	<b>DITA DANG, TAKORADI</b> <i>Diploma in Computer Hardware Technician</i>
JUNE 2001	<b>KOMENDA TEACHER TRAINING COLLEGE</b> <i>'3' YR.POST-SEC. (TRS. CERTIFICATE 'A')</i>
AUG.1999	<b>COLLEGE OF PROF. MGT., LONDON</b> <i>Diploma in Computers in Modern Management</i>
DEC. 1997	<b>MFANTSIPIIM SCHOOL</b> <i>Senior Secondary School Certificate Examination</i>

**Career History:**

<i>Date</i>	<i>Position/Title</i>	<i>Name of Institution</i>
<i>Responsibilities:</i>		
<i>1<sup>ST</sup> April, 2021 -Date</i>	<b><i>BIOLOGY LECTURER, UNIVERSITY OF EDUCATION, WINNEBA</i></b> ❖ <i>Departmental Representative for Strategic Plan</i> ❖ <i>Departmental Representative for Piloting New Website of University of Education, Winneba</i>	
<i>2008- 31<sup>st</sup> March 2021</i>	<b><i>SCIENCE TEACHER, MFANTSIPIIM SCHOOL, CAPE COAST</i></b> ❖ <i>Responsible for the teaching of Biology and Integrated Science</i> ❖ <i>Responsible for the dissemination of schools' bills and reports</i> ❖ <i>Form Master</i> ❖ <i>House Master</i>	

❖ *Development Committee Member*

**NOV. 2001- JULY 2004      *TEACHER, ESSAWA M/A JUNIOR HIGH SCHOOL, ESSIKADU***

❖ *Responsible for teaching: General Science,*

❖ *Mathematics,*

❖ *Technical Skills*

❖ *Religious and Moral Education*

❖ *Music Co-ordinator*

❖ *Staff Secretary*

**SEPT. 2001- NOV. 2001      *CLASS TEACHER, KEDZI METHODIST PRIMARY, SHAMA***

❖ *Responsible for Primary 3 (three) and 4 (four)*

❖ *Music Co-ordinator*

**Publications, Research/Projects Conducted or Undertaken, Creative Works/Productions Produced:**

- ❖ Amoah, J.E.M., Anderson, I.K., & Ngman-Wara, E. I.D. (2019). Senior High School Science Teachers' In-Service Needs Across Gender and Area of Specialization in the Central Region, Ghana. *International Journal of Innovative Research and Advanced Studies*, Vol. 6 (5), pp. 120-128.
- ❖ Amoah, J.E.M., Anderson, I.K., & Ngman-Wara, E. I.D. (2019). Most Prevalent In-Service Needs of Senior High School Science Teachers by Location in Central Region, Ghana. *International Journal of Innovative Research and Advanced Studies*, Vol. 6 (5), pp. 129-138.
- ❖ Amoah, J.E.M. (2019). Surveying the Academic and Professional Qualifications of Senior High School Biology Teachers: Implications for Effective Curriculum Implementation. (*African Curriculum Association Conference Report 2019 pp.25*).
- ❖ Amoah, J.E.M., Eminah, K., Ngman-Wara, E.I.D., Azure, J.A. (2021). Improving First Year Science Students' Biological Drawing at Mfantipim School. *International Journal of Sciences: Basic and Applied Research*, Vol. 60 (3) pp. 294-310.
- ❖ Amoah, J.E.M., Eminah, K., Ngman-Wara, E.I.D., Azure, J.A. (2021). Surveying Aspects of Biology Instructional Practices in Selected Schools in the Central Region of Ghana. *International Journal of Innovative Research and Advanced Studies*, Vol. 8 (11), pp. 7-13.
- ❖ Amoah, J.E.M., Eminah, K., Ngman-Wara, E.I.D., Azure, J.A. (2023). The Status of Biology Teaching and Learning Materials in selected Schools in the Central Region of Ghana. **Article doi:** 10.1080/2331186X.2023.2198939

**Professional Development:**

## Training Sessions:

<i>Course Title</i>	<i>Course Instructor (if desired)</i>	<i>Location</i>	<i>Period</i>
<i>Mendeley Training Seminar</i>	<i>Dr. Aba Appiah Donkoh</i>	<i>UG, Legon</i>	<i>10<sup>th</sup> December, 2021</i>

**Seminars and Workshops:**

<i>Course Title</i>	<i>Location</i>	<i>Period</i>	
<i>2<sup>nd</sup> Early Career Seminar</i>	<i>Jophus Anamuah-Mensah Conference Centre</i>	<i>11<sup>th</sup> August,2021</i>	
<i>Grantsmanship Workshop</i>	<i>North Assembly Hall, UEW</i>	<i>1<sup>st</sup> February, 2022</i>	
<i>3<sup>rd</sup> Early Career Seminar</i>	<i>Jophus Anamuah-Mensah Conference Centre</i>	<i>13<sup>th</sup> April, 2022</i>	
<i>Departmental Workshop</i>	<i>Lecture Hall 3, UEW, South Campus</i>	<i>28<sup>th</sup> -29<sup>th</sup> June,2022</i>	
<i>Chemistry Festival</i>	<i>South Campus Tennis Court</i>	<i>13<sup>th</sup> July, 2022</i>	
<i>Grant writing Seminar</i>	<i>North Assembly Hall</i>	<i>2<sup>nd</sup> November,2022</i>	
<i>National Teaching Council</i>	<i>Elmina</i>	<i>4<sup>th</sup> -7<sup>th</sup> November,2022</i>	
<i>National Teaching Council</i>	<i>Elmina</i>	<i>6<sup>th</sup> -10<sup>th</sup> March,2023</i>	
<i>IERIS</i>	<i>Virtual</i>	<i>12<sup>TH</sup> April,2023</i>	
<i>National Teaching Council</i>	<i>Elmina</i>	<i>26<sup>th</sup> -30<sup>th</sup> April,2023</i>	
<i>Quality Issues in GTEC</i>	<i>Jophus Anamuah-Mensah Conference Centre</i>	<i>9<sup>th</sup> May,2023</i>	
<i>Teaching for Climate Action</i>	<i>Virtual</i>	<i>29<sup>TH</sup> Mat- 23<sup>RD</sup> June,2023</i>	
<i>IERIS</i>	<i>IERIS CONFERENCE ROOM</i>	<i>12<sup>TH</sup> June,2023</i>	
<i>Getting Published:A personal Accounting</i>	<i>IERIS CONFERENCE ROOM</i>	<i>10<sup>TH</sup> August,2023</i>	
<i>National Teaching Council</i>	<i>Ejisu, Ashanti</i>	<i>14<sup>th</sup> -17<sup>th</sup> August,2023</i>	
<i>Promoting Research through Social Media</i>	<i>Virtual</i>	<i>No</i>	<i>12<sup>TH</sup> September,2023</i>

**Conference(s):**

<i>Name of Conference</i>	<i>Location</i>	<i>Presentations (if any)</i>	<i>Period</i>
<i>Research Funding and Grantsmanship Conference</i>	<i>J.A.M, UEW</i>	<i>N/A</i>	<i>19<sup>th</sup> August, 2021</i>
<i>How University enrolment is changing worldwide by University World News,</i>	<i>Virtual</i>	<i>N/A</i>	<i>31<sup>st</sup> March, 2022</i>
<i>Education Technology and Curriculum Alignment in the New Era</i>	<i>Banjul, Virtual</i>	<i>N/A</i>	<i>23<sup>rd</sup> -26<sup>th</sup> May, 2022</i>

<i>7<sup>th</sup> World Curriculum Studies (IAACS)</i>	<i>Braga, Portugal</i>	<i>YES</i>	<i>20<sup>th</sup> -22<sup>nd</sup> June, 2022</i>
<i>6<sup>th</sup> Biennial Conference</i>	<i>JAM, UEW</i>		<i>20<sup>TH</sup> -21<sup>st</sup> July,2022</i>
<i>Inter-University Conference</i>	<i>JAM,UEW</i>		<i>17<sup>th</sup> -19<sup>th</sup> January,2023</i>
<i>Educational Services in Finland</i>	<i>Virtual</i>		<i>28<sup>th</sup> -29<sup>th</sup> January,2023</i>
<i>Advancing Antiracism, Diversity, Equity, and Inclusion in STEMM Organizations</i>	<i>Virtual</i>		<i>14<sup>th</sup> February, 2023</i>
<i>Exploring Effective Strategies for Reducing and Preventing Gun Violence</i>	<i>Virtual</i>		<i>21<sup>st</sup> February,2023</i>
<i>"Avoiding Rejection: How to successfully navigate the publishing process"</i>	<i>Virtual</i>		<i>22<sup>nd</sup> February,2023</i>
<i>Understanding Open Data</i>	<i>Virtual</i>		<i>2<sup>nd</sup> March, 2023</i>
<i>Addressing the Long-Term Effects of the COVID-19 Pandemic on Children and Families</i>	<i>Virtual</i>		<i>16<sup>th</sup> March,2023</i>
<i>"How to effectively promote your research through social media"</i>	<i>Virtual</i>		<i>11<sup>TH</sup> April,2023</i>
<i>"Emerging trends in open research - data use and reuse"</i>	<i>Virtual</i>		<i>25<sup>TH</sup> April, 2023</i>
<i>"A walk- through of T&amp;F resources"</i>	<i>Virtual</i>		<i>8<sup>TH</sup> June,2023</i>
<i>Getting Digital Assessment Right</i>	<i>Virtual</i>		<i>15<sup>th</sup> June,2023</i>
<i>Taking the Next Step to Reduce Your Organization's Emissions</i>	<i>Virtual</i>		<i>29<sup>Th</sup> August,2023</i>
<i>GSA 33<sup>RD</sup> Biennial Conference</i>	<i>Yes</i>		<i>5<sup>TH</sup> -7<sup>TH</sup> September,2023</i>
<i>GoTo - Peer Review to PR: How peer review supports sound science reporting</i>	<i>Virtual</i>		<i>20<sup>TH</sup> September,2023</i>
<i>Best Practices in Peer Review Webinar</i>	<i>Virtual</i>		<i>28<sup>TH</sup> Septemeber,2023</i>
<i>Learning at the Intersection of Cognition, Motivation, and Technology</i>	<i>Virtual</i>		<i>4<sup>TH</sup> October,2023</i>

**Curriculum Development:** Give a brief description of the course or instructional material. Invited or professional presentations, lectures, etc. Provide a list of the professional areas you write on, investigate, offer services/talks/education, etc. and the level(s) at which the course is taught or the instructional material is used. Co-developers should be named.

***Course or Instructional Material***

***Period***

**PSC 122B: Teaching and Learning Biology**

Second Semester

Updated reference material using current literature with improved lesson delivery (videos)

Co-taught with Dr. James A. Azure

<b>PSCB 361: Curriculum Studies in Biology Education</b>	Second Semester
Updated reference material using current literature with improved lesson delivery	
<b>EDP 361: Pre-Internship Seminar</b>	Second Semester
Co-taught with Prof. Wisdom Hordzi	
<b>EDP 481: Teaching Philosophy and Reflective Practice</b>	Second Semester
Co-taught with Prof. Wisdom Hordzi	
<b>EDP 482: Student Teacher Portfolio</b>	Second Semester
Co-taught with Prof. Wisdom Hordzi	
<b>PSC 351 S: Management in Science</b>	First Semester
Updated reference material in addition to course content with improved lesson delivery. I invited personnel from the Ghana National Fire Service for a talk and demonstration on fire safety. Co-taught with Dr. James A. Azure	
<b>PSC 352 S: Assessment in Science</b>	First Semester
Updated reference material in addition to course content with improved lesson delivery. Co-taught with Dr. Rosemary Kumi-Manu.	
<b>GDSc 724: PRACTICUM</b>	Second Semester
Updated reference material in addition to course content with improved lesson delivery.	
<b>PSC 822: Advanced Educational Technology in Biology</b>	Second Semester
Updated reference material in addition to course content with improved lesson delivery. Co-taught with Dr. Rosemary Kumi-Manu.	
<b>PSC 712: Directed reading and seminar in biology education</b>	
<b>PSC 812: Principles and Practice in curriculum development and evaluation in biology</b>	
<b>EBC 113: Introduction to Integrated Science I</b>	
<b>JBI 211: Environmental Biology</b>	
<b>JBI232: Particulate Nature of Chemistry</b>	
<b>PBI 231: Integrated Science II for Upper Primary</b>	
<b>PBI 351: Integrated Science III for Upper Primary</b>	
<b>SCB 411: Life Processes</b>	
<b>BIO 211D: Plant Physiology-</b>	Developed Camtasia instructional videos for this course
<b>BIO 208: Population, Genetics and Evolution-</b>	Developed Camtasia instructional videos for this course
<b>JBA 242: Agricultural Resources and Technology</b>	
<b>JBI 242: Biology Around Us</b>	
<b>SCB 421: Basic Chemistry and Health</b>	

**Membership of Professional Association(s):**

<i>Name of Association</i>	<i>Position held (if applicable)</i>	<i>Period</i>
<i>University Teachers Association of Ghana</i>	<i>Member</i>	<i>April, 2021-Date</i>
<i>Ghana Science Association</i>	<i>Member</i>	<i>Jan. 2022</i>
<i>Council for Advancement and Support of Education</i>	<i>Member</i>	<i>Feb-2022</i>

**Institutional Service:**

<i>Name of Committee(s) and/or Board(s)</i>	<i>Position or Role</i>	<i>Period</i>
<i>Developing Ph.D. in Biology Education Committee</i>	<i>Member</i>	<i>April- May, 2022</i>

**Community Service:** You may indicate the nature of the service rendered.

<i>Name of Institution/Organisation</i>	<i>Position(s) held (if applicable)</i>	<i>Period</i>
<i>National Teaching Council</i>	<i>Chief Examiner</i>	<i>August,2022</i>
<i>College of Distance Education and e-Learning (CODEL)</i>	<i>Course Tutor</i>	<i>April, 2022- Date</i>
<i>Department of Biology Education</i>	<i>Representative for Strategic Plan</i>	<i>Oct. 2021 - Date</i>
<i>Department of Biology Education</i>	<i>Representative for Piloting New Website</i>	<i>Oct. 2021 - Date</i>
<i>African Youth Choir</i>	<i>Patron</i>	<i>Dec. 2021 - Date</i>

**Professional Service or Consultancy outside the University:**

<i>Name of Institution/Client</i>	<i>Period of Service</i>	<i>Office/Position Held</i>
<i>University of Cape Coast (CODE)</i>	<i>May,2021</i>	<i>Tutor/ Team Leader</i>
<i>West African Examinations Council</i>	<i>Nov,2021</i>	<i>Team Leader (Bio.2)</i>
<i>West African Examinations Council</i>	<i>Jan,2022</i>	<i>Team Leader (Int Sci.2)</i>
<i>University of Cape Coast (CODE)</i>	<i>Oct,2022</i>	<i>Tutor/ Team Leader</i>
<i>National Teaching Council (NTC)</i>	<i>Nov. 2022</i>	<i>Chief Examiner</i>
<i>West African Examinations Council</i>	<i>Nov,2022</i>	<i>Team Leader (Bio.2)</i>
<i>West African Examinations Council</i>	<i>Dec. 2022</i>	<i>Team Leader (Int. Sci.2)</i>
<i>National Teaching Council</i>	<i>March,2023</i>	<i>Chief Examiner</i>
<i>National Teaching Council</i>	<i>April,2023</i>	<i>Chief Examiner</i>
<i>National Teaching Council</i>	<i>August,2023</i>	<i>Chief Examiner</i>
<i>West African Examinations Council</i>	<i>Oct. 2023</i>	<i>Team Leader (Int. Sci.2)</i>

*National Teaching Council*

*Oct. 2023*

*Chief Examiner*

*West African Examinations Council*

*Nov. 2023*

*Team Leader (Biology)*

*National Teaching Council*

*Nov. 2023*

*Chief Examiner*

**Referees:**

Prof Wisdom H. K. Hordzi

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**Signature: JEMA**

**Date: 17/11/2023**