Prof. Jones Apawu

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RESEARCH

Interests: ICT Integration into Mathematics Teaching · Mathematics Curriculum · Inclusivity in Mathematics Edu

Areas: Education · Applied Mathematics · Statistics and Probability · Artificial Intelligence · Cardiology and Cardiovascular Medicine · Cognitive Neuroscience

RESEARCH SUMMARY

22	73	5	3	0.72	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 22 publications listed below, 2010–2025. Field-weighted impact is the mean over the 13 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 13 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer, Academic Counselor, Researcher, etc. 2010–present
Mathematics Education, University of Education Winneba, Winneba, Ghana

EDUCATION AND QUALIFICATIONS

PhD (Mathematics Education) 2015–2019
Mathematics Education, University of Education Winneba, Winneba, Ghana

M.Phil. (Mathematics Education) 2007–2009
Mathematics Education, University of Education Winneba, Winneba, Ghana

PUBLICATIONS

Journal articles 20

1. Augustina Adu, **Jones Apawu**, William Obeng-Denteh (2025). MANIPULATIVES USE IN MATHEMATICS CLASSROOMS OF INCLUSIVE BASIC SCHOOLS IN GHANA. *Physical and Mathematical Education*. https://doi.org/10.31110/fmo2025.v40i5-01
2. Nana Akosua Owusu-Ansah, **Jones Apawu** (2023). Investigating Pre-service Mathematics Teachers' Perception on Cognitive Needs. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2023/v19i9705
3. Nana Akosua Owusu-Ansah, Gloria Armah, Sylvester Ali Frimpong, **Jones Apawu** (2023). Using Differentiated Instruction to Foster Algebraic Thinking in Classrooms. *International Journal of Studies in Education and Science*. https://doi.org/10.46328/ijses.64
4. **Jones Apawu** (2022). Contemporary Preservice Mathematics Teachers' Technological Pedagogical Content Knowledge Levels in Perspective: Self-reported Survey. *Asian Research Journal of Mathematics*. https://doi.org/10.9734/arjom/2022/v18i1130431
5. John Kanyiri Yambah, Naasegnibe Kuunibe, Kindness Laar, Kofi Akohene Mensah, **Jones Apawu**, Abraham Babatiuamo Titigah, Aiden Suntaa Saanwie, Edgar Lierdong Sopiimeh (2022). Exploring the effects of the

withdrawal of the capitation policy on Cesarean rates in public hospitals in Ghana: an interrupted time series analysis. *Annales Africaines de Medecine*. https://doi.org/10.4314/aamed.v16i1.2

6. Edo Hatsu, **Jones Apawu**, Hashimu Mohammed (2022). Investigating pupils' strategies on mathematics achievement among private and public basic schools in the Chorkor Circuit of Accra Metropolis. *Integrity Journal of Education and Training*. https://doi.org/10.31248/ijet2022.145
7. Nana Akosua Owusu-Ansah, **Jones Apawu** (2022). Mathematics Teachers' Views and Use of Differentiated Instruction: The case of two teachers in the Winneba Municipality, Ghana. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v18i1.1
8. Sefakor Agormor, **Jones Apawu**, Jackson Jessel Aboagye-Agbi, Evans Kofi Hokor (2022). Prior mathematics achievement and mathematics self-efficacy as indicators for success in pre-service teachers' achievement in geometry and trigonometry. *Journal of Research in Instructional*. https://doi.org/10.30862/jri.v2i2.83
9. **Jones Apawu**, Anas Seidu Salifu, Michael Johnson Nabie (2021). College of Education Pre-Service Teachers' Attitude in Terms of Usefulness, Confidence and Enjoyment towards Geometry by Gender. *Contemporary Mathematics and Science Education*. https://doi.org/10.30935/conmaths/11110
10. Evans Kofi Hokor, **Jones Apawu**, Nana Akosua Owusu-Ansah, Sefakor Agormor (2021). Preservice Teachers' Misconceptions in Solving Probabilistic Problems. *Pedagogical Research*. https://doi.org/10.29333/pr/11441
11. **Jones Apawu** (2021). Prospective Teachers' Mentoring Experiences for Effective Teaching of Mathematics in Akatsi College of Education. *Scholarly Journal of Mathematics & Science*.
12. C. A. Ali, **Jones Apawu**, Paul Kobina Effrim (2020). Incidence of Mathematics Anxiety on Junior High Students' Learning of Mathematics in Ghana. *International Journal of Psychology and Education*. https://journals.uew.edu.gh/index.php/ijope/article/view/36
13. Nana Akosua Owusu-Ansah, **Jones Apawu**, Peter Akayuure (2018). A study on the algebraic working processes of senior high school students in Ghana. *European Journal of Science and Mathematics Education*. https://doi.org/10.30935/scimath/9523
14. **J Apawu**, Armah (2016). The usage of ICTs in the teaching and learning of mathematics; Tracer study of mathematics educators. *Journal of Science Education and Research*. https://scholar.google.com/scholar?cluster=13470273352181759 33&hl=en&oi=scholarr
15. Peter Akayuure, **Jones Apawu** (2015). Examining Mathematical Task and Pedagogical Usability of Web Contents Authored by Prospective Mathematics Teachers. *International Journal of Research in Education and Science*. https://doi.org/10.21890/ijres.69649
16. **J Apawu** (2015). Information and Communication Technology use and ICT Competency in Education: The Case of Sandwich Students. *International Journal of Information and Communication Technology Research*. https://www.academia.edu/download/39176238/vol5no6_2.pdf
17. **Jones Apawu** (2014). Teaching Undergraduate Course: Blended Instruction Versus Traditional Instruction. *Future Tech: An International Journal of Science and Technology (FIJST)*. https://www.academia.edu/download/35470109/fijst_paper_2.pdf
18. **J Apawu**, Issifu Yidana, WO Apeanti (2012). ICT Integration Level of Mathematics Tutors of Colleges of Education in Ghana. *International Journal of Pedagogy, Policy and ICT in Education*. https://www.ajol.info/index.php/ijp/article/view/81264
19. **Jones Apawu** (2011). The Use of Memtd as ICT Tools in the Mathematics Classroom in Colleges of Education in Ghana. *European Journal of Social Sciences*. https://www.academia.edu/download/35912681/EJSS_20_1_06_1_.pdf
20. **Jones Apawu** (2010). Problems hindering the use of ICT in Mathematics Education at Colleges of Education in Ghana. *Journal of Business and Educational Policies*.

Conference papers 1

1. Joseph Roger Arhin, Xiaoling Zhang, Kenneth Coker, Francis Sam, **Jones Apawu**, Nicole Naa Darkua Ribeiro (2025). DBRH-5: Legendre Polynomial-Based Attention Mechanism in Dual-Branch ResNet Hybrid-5 Towards Arrhythmia Diagnosis. *Communications in computer and information science*. https://doi.org/10.1007/978-3-031-90341-0_21

Theses 1

1. **JONES Apawu** (2019). Investigating preservice Mathematics teachers perception on cognitive needs, Tpack levels and altruism. *University of Education, Winneba*. https://ir.uew.edu.gh/handle/123456789/1238