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RESEARCH

Interests	Mathematics Education · ITC integration in Education · Teacher Education · Educational Assessment
Areas	Education · Modeling and Simulation · Applied Mathematics · Developmental and Educational Psychology · Information Systems · Statistics and Probability

RESEARCH SUMMARY

71	1,052	17	33	0.55	5%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 71 publications listed below, 1992–2025. Field-weighted impact is the mean over the 22 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 22 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 57

1. Daniel Gbormittah, Ernest Kofi Davis, **Damian Mereku** (2025). Primary 1 Pupils' Performance in Identification of Half and Non-Half Fractions: How Does It Look Like Across Demographic Factors? *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v20i2.6
2. Ebenezer Agbo, **Damian Kofi MEREKU**, Matilda Sarpong Adusei, Henry Kpai (2025). Raising Students' Fluency in Determining Means and Medians using Mental Mathematics Games with Consecutive Numbers' Datasets. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v20i2.8
3. Emmanuel Odoom, **Damian Kofi Mereku**, Matilda Sarpong Adusei (2024). Effect of Problem-based Learning on High School Students' Performance in Solving Simultaneous Linear Equation Word Problems. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v20i1.5
4. Elizabeth Abugri, **Damian Kofi Mereku** (2024). PRIMARY SCHOOL CHILDREN'S DIFFICULTIES IN NUMBERS AND OPERATIONS PROBLEMS. *International Journal of Engineering Technologies and Management Research*. https://doi.org/10.29121/ijetmr.v11.i12.2024.1511
5. Aminatu Ibrahim, Matilda Sarpong Adusei, **Damian Kofi Mereku** (2023). Access, successful completion and learning achievement of female undergraduate students studying mathematics at the University of Education, Winneba. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v18i2.5
6. **Kofi Mereku** (2020). Ghanaian Educational Institutions' Capacity for, and Approach to, ICT Pedagogical Integration. *International Journal of Technology and Management Research*. https://doi.org/10.47127/ijtmr.v1i2.20
7. **Damian Kofi Mereku** (2019). Sixty years of teacher education in Ghana: Successes, challenges and the way forward. *African Journal of Educational Studies in Mathematics and Sciences*. https://doi.org/10.4314/ajesms.v15i2.6
8. PH Armah, **Damian Kofi Mereku** (2018). Expanding secondary school access for disadvantaged children in Ghana: implications for curriculum and assessment reforms. *Unpublished manuscript*. https://

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9. **DK Mereku**, MN Alhassan (2018). Influence of teachers' coverage of mathematics curriculum materials (MCM) on their schools' performance in mathematics. *African Journal of Educational Studies in Mathematics and Sciences*. https://ir.uew.edu.gh/handle/123456789/4612
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11. Edward Dadson Mills, **Damian Kofi Mereku** (2016). Students' performance on the Ghanaian junior high school mathematics national minimum standards in the Efutu Municipality. *African Journal of Educational Studies in Mathematics and Sciences*.
12. **Kofi Damian Mereku** (2015). An Examination of Gender Differences in Mathematics Participation and Performance in Ghanaian High Schools: Analysis of WASSCE Results. *ADRRI Journal of Physical and Natural Sciences*. https://scholar.google.com/scholar?cluster=4511326642622868107&hl=en&oi=scholarr
13. Moses Agyemang, **Damian Kofi Mereku** (2015). Technology use among Ghanaian Senior High School mathematics teachers and the factors that influence it. *African Journal of Educational Studies in Mathematics and Sciences*.
14. **Damian Kofi Mereku**, Cosmas Worlanyo Kofi Mereku (2014). Congruence Between the Intended, Implemented, and Attained ICT Curricula in Sub-Saharan Africa. *Canadian Journal of Science Mathematics and Technology Education*. https://doi.org/10.1080/14926156.2014.992555
15. **Damian Kofi Mereku** (2014). Diploma disease in Ghanaian distance education upgrading programmes for teachers. *Open Learning The Journal of Open Distance and e-Learning*. https://doi.org/10.1080/02680513.2014.914430
16. **Damian Kofi Mereku** (2013). Ghanaian Case Study of Singing Games in Ethnomathematics. *Journal of African Culture and International Understanding*. https://scholar.google.com/scholar?cluster=15924515063559026333&hl=en&oi=scholarr
17. **DK Mereku** (2013). Ghanaian Educational Institutions' Capacity for, and Approach to, ICT Pedagogical Integration. *International Journal of Technology & Management Research*.
18. Conrad Wesley Snyder, **Kofi D. Mereku**, Francis K. Amedahe, Kofui Etsey, John Adu (2013). National Assessment and the Opportunity to Learn in Educational Reform. *International Journal of Educational Reform*. https://doi.org/10.1177/105678791302200105
19. **Damian Kofi Mereku** (2013). Scientific Perspectives to African Cultural Expressions. *JOURNAL OF AFRICAN CULTURE AND INTERNATIONAL UNDERSTANDING*. https://www.academia.edu/download/34780730/IACIU_Journal_No_9-FINAL_june_2014.pdf#page=9
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21. **DK Mereku**, GKT Oduro (2012). In-service teacher education study in Sub-Saharan Africa: The case of Ghana. *Teacher Education Division, GES*. https://scholar.google.com/scholar?cluster=13560004702260575629&hl=en&oi=scholarr
22. JN Asante, **DK Mereku** (2012). The effect of Ghanaian pre-service teachers' content knowledge on their mathematical knowledge for teaching basic school mathematics. *African Journal of Educational Studies in Mathematics and Sciences*. https://www.academia.edu/download/118893329/81412.pdf
23. **DK Mereku** (2011). Ghana's achievement in mathematics in TIMSS 2007. *Mathematics Connection*. https://www.academia.edu/download/53994443/article_8_Ghanas_achievement_in_mathematics_M8.pdf
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54. **D. K. Mereku** (2000). School Mathematics in Ghana: 1960-2000. *Mathematics Connection*. https://www.academia.edu/download/76496122/Review_maths_eduation_in_Ghana.pdf
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1. **Damian Kofi Mereku** (2012). Design and implementation of a postgraduate programme in teaching and learning in higher education for academics in Ghana. *2012 ICET International Yearbook on Teacher Education*.
2. **Damian Kofi Mereku** (2012). Should BECE mark the end of JHS Education? *Ghana SchoolsNet*. https://scholar.google.com/scholar?cluster=14690172144646783876&hl=en&oi=scholarr
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1. **Damian Kofi Mereku** (2021). Standards-based curriculum reforms: Do schools need textbooks or resource books? *Opera News Africa*.
2. **Damian Kofi Mereku** (2014). Basic School Pupils' Knowledge of, and Attitude to, Personal Hygiene, HIV, Reproductive Health and Drug Abuse: The case of four Rural Districts in Ghana. *Accra: Ghana Education Service SHEP Directorate*.
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5. **Kofi Mereku** (2006). Primary 2 & 4 pupils to take SEA on July 19. *UEW. Winneba*. https://wikieducator.org/images/e/e0/NATIONAL_TESTS_FOR_P2_AND_P3_BECAS.pdf
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8. **DK Mereku** (2004). Mathematics Curriculum Implementation in Ghana. *Winneba: University of Education*. https://scholar.google.com/scholar?cluster=14495211491067097712&hl=en&oi=scholarr

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