Joe Adu-Agyem

Faculty of Educational Studies (FES)
Kwame Nkrumah University of Science and Technology

ORCID 0000-0003-4376-8127 · Profile knust.peerford.com/staff/0e94d38f-6903-466d-8b30-ce945288a20d

RESEARCH

Areas: Visual Arts and Performing Arts · Education · Museology · Archeology · Mechanical Engineering · Safety Research

RESEARCH SUMMARY

37	451	6	3	4.91	19%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 37 publications listed below, 2008–2026. Field-weighted impact is the mean over the 37 works scored for it; 1.00 is the world average for works of the same field, type and year. 7 of the 37 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 36

1. Kenneth Dam Sakoalia, **Joe Adu-Agyem**, Dickson Adom, George Nangpaak Duut, Macharious Nabang (2026). Aesthetic and educational values of indigenous sculptures among the Bimoba People of Northern Ghana. *E-Journal of Humanities Arts and Social Sciences*. https://doi.org/10.38159/ehass.2026746
2. Sulemana Gariba Osman, Dickson Adom, Nyamawero Navei, **Joe Adu-Agyem** (2026). Creative upcycling as a pedagogical strategy for textile waste management at Bawku Technical Institute in Ghana. *Discover Environment*. https://doi.org/10.1007/s44274-026-00766-5
3. Ibrahin Yahaya, Dickson Adom, **Joe Adu-Agyem**, Rudolf Steiner (2026). Evaluating traditional pottery production techniques and environmental sustainability in Northern Ghana. *Discover Environment*. https://doi.org/10.1007/s44274-026-00612-8
4. Samuel Nii Adamah Sampah, Macharious Nabang, Elikem Kofi Krampa, Mustapha Issah, Francis Koduah, Harry Barton Essel, **Joe Adu-Agyem** (2026). Generative AI Competence and Student Engagement in Higher Education. *Journal of Interdisciplinary Studies in Education*. https://doi.org/10.32674/3s3cx241
5. Samuel Nii Adamah Sampah, Harry Barton Essel, **Joe Adu Agyem**, Charles Atombo (2026). How Generative AI Competence Shapes Student Engagement: Configurational Pathways Through AI Utilisation, Perceived Autonomy, and Formal AI Learning. *Journal of Educational Technology Systems*. https://doi.org/10.1177/00472395261452533
6. Sulemana Gariba Osman, Dickson Adom, Evans Kwadwo Donkor, **Joe Adu-Agyem** (2026). Waste to Art Pedagogy as an Educational Model for Strengthening Practical Skills Acquisition Among Fine Art Students. *Art Time*. https://doi.org/10.62425/at.1858837
7. Emmanuel Mensah, Dickson Adom, **Joe Adu-Agyem** (2025). Assessing the perceptions and experiences of teachers regarding the impact of professional development on students' learning: An inquiry at Sabs Dayspring Community School, Kumasi Metropolis. *Kampala International University Journal of Education*. https://doi.org/10.59568/kjed-2025-5-1-25
8. Emmanuel Kofi Attah, Dickson Adom, **Joe Adu-Agyem**, Babaaradio Kombui, Isaac Gyasi (2024). Documentation of the Socio-Cultural Significance of Artefacts in Sefwi Bekwai Palace in Ghana. *E-Journal of Humanities Arts and Social Sciences*. https://doi.org/10.38159/ehass.2024554
9. Thomas Brown Kow Archer, Agyei Isaac Kwabene, **Joe Adu-Agyem**, Dickson Adom (2024). THE

INTEGRATION OF WOOD CARVING SKILLS INTO TEACHING AND LEARNING OF WOOD CARVING. *ARTISTIC International Journal of Creation and Innovation*. https://doi.org/10.33153/artistic.v5i1.6279

10. Alex Kwasi Azaglo, Dickson Adom, **Joe Adu-Agyem**, Kofi Opoku-Mensah (2022). "My Sculpture, My Life": An iconographic study of the contemporary Ghanaian sculptor, Isaac Opoku-Mensah. *Journal of African History Culture and Arts*. https://doi.org/10.57040/jahca.v2i1.125
11. Emmanuel Amissah, Dickson Adom, **Joe Adu-Agyem** (2022). Reducing cost and ensuring environmental sustainability: Palm kernel expeller as an alternative sculpture material for casting in Ghana. *Journal of African History Culture and Arts*. https://doi.org/10.57040/jahca.v2i3.232
12. Ebenezer Christian, Dickson Adom, **Joe Adu-Agyem** (2022). Relief modelling using the Chiaroscuro technique: A project work among student-sculptors. *Journal of African History Culture and Arts*. https://doi.org/10.57040/jahca.v2i1.126
13. Bernard Akoi-Jackson, Steve Kquofi, Dickson Adom, Edwin Bodjawah, **Joe Adu-Agyem** (2022). The Historical Development, Cultural and Aesthetic Significance of Akan Musical Art form (Ebibindwom) in the Liturgy of the Methodist Church Ghana. *Asian Research Journal of Arts & Social Sciences*. https://doi.org/10.9734/arjass/2022/v17i430313
14. Philip Anyelba Tankpara, Dickson Adom, **Joe Adu-Agyem** (2021). Quality assurance policies and implementation in nursing and midwifery training colleges in Ghana. *International Journal of Evaluation and Research in Education (IJERE)*. https://doi.org/10.11591/ijere.v10i2.21027
15. Scholastica Wompakeah Azuah, **Joe Adu- Agyem**, Eric Appau Asante (2020). An Exposition of Activities of Ghana's Most Beautiful Pageant. *The International Journal of Business & Management*. https://doi.org/10.24940/theijbm/2020/v8/i1/bm2001-034
16. Scholastica Wompakeah Azuah, **Adu-Agyem J.**, Eric Appau A. (2020). An overview of Beauty Standards as culturally projected within Ghana's Most Beautiful Pageant. *Archives of Business Research*. https://doi.org/10.14738/abr.83.7745
17. Dickson Adom, Mavis Osei, **Joe Adu-Agyem** (2020). COVID-19 Lockdown: A Review of an Alternative to the Traditional Approach to Research. *Research Journal in Advanced Social Sciences*. https://doi.org/10.58256/rjass.v1i.107
18. AGYEI, ISAAC KWABENA, **DR. JOE ADU-AGYEM**, MOHAMMED KWAKU BAIDOO (2020). Design And Production Of A Desktop Organizer For Kwame Nkrumah University Of Science And Technology. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.4012452
19. Achiaa Adu Poku, Ebenezer Kofi Howard, **Joe Adu Agyem**, Benjamin Kwablah Asinyo (2020). Support Systems: Essential Pivots of Textiles Education in Senior High Schools in Ghana. *The International Journal of Humanities & Social Studies*. https://doi.org/10.24940/theijhss/2020/v8/i7/hs2007-002
20. Duah Kwaku, **Joe Adu- Agyem** (2020). The Educational Challenges Faced by Muslim - Girl Child on Academic Performance: Selected Senior High Schools in Sekyere Central District in Focus. *The International Journal of Humanities & Social Studies*. https://doi.org/10.24940/theijhss/2020/v8/i4/hs2004-012
21. Mavis Asantewaa Agyemang, **Joe Adu- Agyem** (2020). The Impact of the Ghana School Feeding Programme on School Enrolment, Retention and Attendance in the Atwima Nwabiagya Municipal in the Ashanti Region of Ghana. *The International Journal of Humanities & Social Studies*. https://doi.org/10.24940/theijhss/2020/v8/i2/hs2002-001
22. Benjamin Deffor, **Joe Adu- Agyem**, Dorothy Akpene Amenuke, Keneth Dam Sakoalia (2019). Eggshell Powder as a viable sculpture Material: The case of W.B.M Zion Senior High School, Koforidua,Ghana. https://doi.org/10.18533/journal.v8i3.1574
23. Mumuni Zakaria Fusheini, **Joe Adu- Agyem**, Eric Appau Asante (2019). Hands-On Activities on Dagomba Bim' Maŋli Production among Elective Class Students in E.P College of Education, Bimbilla, Ghana. *International Journal of Innovative Research and Development*. https://doi.org/10.24940/ijird/2019/v8/i2/141983-342340-
24. Nicholas A. Tetteh, **Joe Adu- Agyem** (2019). The Trend of Metalworking Techniques and Skills: Its

Transmutation to Jewellery Production in Wa Municipality, Ghana. *The International Journal of Humanities & Social Studies*. https://doi.org/10.24940/theijhss/2019/v7/i2/hs1902-065

25. Nicholas A Tetteh, **Joe Adu Agyem**, Nana A. P. Arthur (2018). The Prospects of Jewellery Works: The Case of Wa Municipality, Ghana. *International Journal of Innovative Research and Development*. https://doi.org/10.24940/ijird/2018/v7/i9/sep18067
26. Dickson Adom, Emad Kamil Hussein, **Joe Adu- Agyem** (2018). Theoretical and Conceptual Framework: Mandatory Ingredients of a Quality Research. *International journal of scientific research*.
27. AGYEI, ISAAC KWABENA, **DR. JOE ADU-AGYEM**, N.A. TETTEH (2013). Appraisal Of Works Produced By Metal Products Design Students Of Kwame Nkrumah University Of Science And Technology (Knust), Kumasi, Ghana. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.4012052
28. IK Agye, **J Adu-Agyem**, R Steiner (2013). Exploring Traditional Glass Bead Making Techniques in Jewellery. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v32i3.11
29. AGYEI, ISAAC KWABENA, **DR. JOE ADU-AGYEM**, P. AMPONSEM (2012). Female Genital Mutilation: Design and Fabrication of a Wall Plaque for Awareness Creation. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.4012392
30. JOB Boahin, **J Adu-Agyem**, YS Peligah (2011). Exploring the use of suede dye on leather. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v31i2.69395
31. EF Eshun, **J Adu-Agyem** (2011). Learner perceptions in design critiques: impact on creative development. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v30i3.64644
32. IK Agyei, **J Adu-Agyem** (2010). Design and Production of Trophies for Selected Sports and Games in KNUST. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v30i1.53938
33. M Enti, G Brako-Hiapa, **J Adu-Agyem**, P Osei-Poku, R Steiner (2010). Diorama Art – A Potential Medium For Museum Educationm. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v30i2.60539
34. **J Adu-Agyem**, M Enti, Y. S Peligah (2009). Enhancing children's learning: the art perspective. *International Journal of Education through Art*. https://doi.org/10.1386/eta.5.2and3.143/1
35. **J Adu-Agyem**, M Enti (2009). Learning: The role of aesthetics in education. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v29i1.46464
36. P Osei-Poku, **J Adu-Agyem** (2008). Achieving a Goal of Distinction in your Dress. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v28i2.33102

Book chapters 1

1. Dam Kenneth Sakoalia, **Joe Adu-Agyem**, Dorothy Akpene Amenuke, Benjamin Deffor (2023). Use of Groundnut Shells (Powder) as an Alternative Sculpture Material for Fine Art in Salaga Senior High School, Ghana. https://doi.org/10.9734/bpi/raass/v6/3078c