Cosmas Asante

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RESEARCH

Interests	Physical Geodesy · Hydrography · Engineering Surveying
Areas	Aerospace Engineering · Oceanography · Geography, Planning and Development · Global and Planetary Change · Applied Mathematics · Astronomy and Astrophysics

RESEARCH SUMMARY

10	34	4	1	1.11	14%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 10 publications listed below, 2016–2023. Field-weighted impact is the mean over the 7 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Dr. 2001–present
Geomatic Engineering, Kwame Nkrumah University of Science and Technology , College of Engineering, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

Dr. 2001–present
Geomatic Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

Professional 2009–present
Land Surveying Division, Ghana Institution of Surveyors, Kumasi, Ghana

PUBLICATIONS

Journal articles 10

1. **Cosmas Yaw Asante**, John Ayer, Yao Ziggah, Ebenezer Tetteh Doku (2023). Comparison between the azimuths of astronomical and geodetic coordinates in Ghana. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v23i1.53
2. Ebenezer Tetteh Doku, **Cosmas Yaw Asante**, John Ayer, Richard Clophy Amoah, Surveying and Mapping Division, Lands Commission, Accra, Ghana (2022). A hybridized geoid model for Ashanti Region, Ghana. *Japan Journal of Research*. https://doi.org/10.33425/2690-8077.1047
3. Yaw Mensah Asare, Irving Selby, George Ashiagbor, **Cosmas Yaw Asante** (2022). Analysis and prediction of land use land cover dynamics in the Kpeshie Lagoon Basin of Ghana using satellite remote sensing. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v23i1.64
4. PE Akwasi Afrifa Acheampong, **CY Asante**, AA Acheampong (2022). GIS mobile application for crime reporting and monitoring. *Ghana Journal of Technology*. https://scholar.google.com/scholar?

cluster=10827586317750563 86&hl=en&oi=scholarr

5. John Ayer, **Cosmas Yaw Asante**, Yaw Y. Ziggah, Ebenezer Tetteh Doku (2022). Grid, Geodetic and Astronomical Azimuth Conversions in Ghana. *World Journal of Geomatics and Geosciences*. https://doi.org/10.31586/wjgg.2022.288
6. J Ayer, **CY Asante** (2022). Grid, deodetic and astronomical azimuth conversions in Ghana. *World Journal of Geomatics and Geosciences*. https://www.academia.edu/download/94360958/grid_geodetic_and_astronomic_azimuth_conversions_in_Ghana.pdf
7. Kwaku Owusu Twum, Kwabena Asiama, John Ayer, **Cosmas Yaw Asante** (2020). Gender, Land and Food Access in Ghana's Suburban Cities: A Case of the Adenta Municipality. *Land*. https://doi.org/10.3390/land9110427
8. **CY Asante** (2017). The Ghanaian gravimetric geoid: GGG2017. *GFZ Helmholtz Centre for Geosciences Data Set*. https://ui.adsabs.harvard.edu/abs/2017gfz..data..600Y/abstract
9. Caleb Yakubu, Vagner Ferreira, **Cosmas Asante** (2017). Towards the Selection of an Optimal Global Geopotential Model for the Computation of the Long-Wavelength Contribution: A Case Study of Ghana. *Geosciences*. https://doi.org/10.3390/geosciences7040113
10. **C. Y. Asante**, A. A. Acheampong, C. Fosu (2016). INVESTIGATION OF HORIZONTAL AND VERTICAL CONTROLS ON KNUST CAMPUS. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v36i2.7