

JOURNALS AND MODULES/MONOGRAPHS
Dr. Florence MUTONYI D’UJANGA
(Associate Professor of Physics, Makerere University)

Refereed Journals:

1. A study of intense ionospheric scintillation observed during a quiet day in the East African low-latitude region. Ngwira C.M., Klenzing J., Olwendo J., **D’ujanga F.M.**, Stoneback K. and Baki P. *Radio Sci*, 48, 396-405 (2013).
2. Ionospheric TEC variations during the ascending solar activity phase at an equatorial station, Uganda. Oron S., **D’ujanga F.M.** and Ssenyonga T.J. *Indian J. Radio & Space Phy.* **42**, 7-17, (2013).
3. Total electron content of the ionosphere at two stations in East Africa during the 24-25 October 2011 geomagnetic storm. **D’ujanga F.M.**, Baki P., Olwendo J.O. and Twinamasiko, B.F. *Advances in Space Research.* **51**, 712-721, (2013).
4. Total Electron Content Variations in Equatorial Anomaly Region. **D’ujanga FM**, Mubiru J, Basalirwa C., Twinamasiko BF and Ssenyonga, TJ. *Advances in Space Research.* **50**, 441-449, (2012).
5. Equatorial Plasma Bubbles and L-Band Scintillations in Africa during Solar Minimum. Paznukhov VV, Carrano CS, Groves KM, Caton RG, Valladares CE, Semaala GK, Bridgwood CT, Adeniyi J, Amaeshi LLN, Damtie B, **D’ujanga FM**, Ndeda JOH, Baki P, Obrou OK, Okere B, Tsidu, GM. *Annales Geophys.* 30, 675-682, (2012).
6. Assessing the distribution of monthly mean hourly solar irradiation at an African Equatorial site. Mubiru J., Banda EJKB., **D’ujanga FM.** and Ssenyonga T. *Journal of Energy Conversion and Management* Vol. 48, pp. 380-383, (2007).
7. Assessing the distribution of solar irradiation in Mbarara, Uganda. Mubiru J., Banda EJKB, **D’ujanga FM**, Otiti T., Karume K., Nyeinga K. and Okello D. and Katongole N. *Journal of Theoretical and Applied Climatology*, 90, No.1-2, 127-131 (2007).
8. Assessing the performance of global and solar radiation empirical formulations for Kampala, Uganda. Mubiru J., Banda EJKB., **D’ujanga FM.** and Ssenyonga T. *Journal of Theoretical and Applied Climatology.* Vol. 87, No. 1-4, pp. 179-184, (2007)
9. Using a regression model to estimate daily diffuse solar irradiation from cleanliness index in Mbarara, Uganda. Mubiru J., Banda EJKB and **D’ujanga FM.** *International Journal of BioChemPhys*, Vol. 14, No.1-2, pp.61-65. (2005)
10. Dependence of Kaolinite Content on Particle Size Distribution in Uganda Kaolin Clay. Kaahwa Y. and **D’ujanga F.M.** *British Ceramic Transactions*, 103,143-144. (2004)
11. The Polarizing Effects in Sintered Kaolin. **D’ujanga F.M.**, Kaahwa Y. and Atteraas L. *Tanz. J. Sci.* 28,63-70. (2002).
12. Dependence of Porosity on Compaction Pressure in Drypressed Samples. **D’ujanga FM.** *Kaolin International Journal of BioChemPhysics*, Vol.10 (2001).
13. High Field Conduction in Mica. Kaahwa, Y. & **D’ujanga, F.M.** *Discovery & Innovation*, 4 (1992).

Books / Monographs / Modules):

1. Properties of Matter (study notes for Distance Education). D’ujanga, F.M. Ins. of Adult & Continuing Educ., Makerere, Uganda (2003).

2. First Year Physics Laboratory Manual. D'ujanga, F.M., Kisolo, A., Okullo, W., Ssenyonga, T.J., Ireeta, W.T., Okello, D., Ayugi, G., Zawedde, A.E. and Banda, E.J.K.B. Dept. of Physics. (2011)
3. Second Year Physics Laboratory Manual. D'ujanga, F.M., Kisolo, A., Okullo, W., Ssenyonga, T.J., Ireeta, W.T., Okello, D., Ayugi, G., Zawedde, A.E. and Banda, E.J.K.B. Dept. of Physics. (2011)
4. Third Year Physics Laboratory Manual. D'ujanga, F.M., Kisolo, A., Okullo, W., Ssenyonga, T.J., Ireeta, W.T., Okello, D., Ayugi, G., Zawedde, A.E. and Banda, E.J.K.B. Dept. of Physics. (2011)