

## Aimed at estimating the daily global solar radiation at the new site



### Abstract

The research is aimed at estimating the daily global solar radiation at the new site of Federal University Dutsin-ma, Katsina State, Northwest Nigeria, between March 2018 to April 2019. The study realises exactly between longitude  $7^{\circ} 30' 20.32''$  E of the Greenwich meridian and latitude  $12^{\circ} 27' 38.66''$  N of the equator. This research made use of Hargreaves-Samani equation in estimating the amount of solar radiation on the proposed buildings using minimum and maximum temperature results obtained to predict the amount of solar radiated and also, Added the formulation of mode It as certain the performance of the structures.

### Publications

1. Joseph S. Six, Theodore Hughes – Riley, David M.L. Lilburn, Alan C. Dorkes, Karl F. Stupic, Dominick E. Shaw, Peter G. Morris, Ian P. Hall, Galina E. Pavlovskaya, Thomas Meersmann (2014). Pulmonary MRI contrast using surface quadrupolar relaxation (SQUARE) of hyperpolarized  $^{83}\text{Kr}$ , Magnetic Resonance Imaging, 32(1), 48-53.
2. Theodore Hughes-Riley, Joseph S. Six, David M.L. Lilburn, Karl F. Stupic, A.C. Dorkes, Dominick E. Shaw, Galina E. Pavlovskaya, Thomas Meersmann (2013). Cryogenics free production of hyperpolarized  $^{129}\text{Xe}$  and  $^{83}\text{Kr}$  for biomedical MRI applications, Journal of Magnetic Resonance, 237, 23-33.
3. David M. L. Lilburn, Theodore Hughes-Riley, Joseph S. Six, Karl F. Stupic, Dominick E. Shaw, Galina E. Pavlovskaya, Thomas Meersmann (2013). Validating Excised Rodent Lungs for Functional Hyperpolarized Xenon-129 MRI. PloS one, 8(8), e73468.
4. Joseph S. Six, Theodore Hughes-Riley, Karl F. Stupic, Galina E. Pavlovskaya, Thomas Meersmann (2012). Pathway to Cryogen Free Production of Hyperpolarized Krypton-83 and Xenon-129. PloS one, 7(11), e49927.

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### Biography

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