

## **Comparative Study of the Earth Land Surface Temperature Signatures over Ota, South-West Nigeria**

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**Abstract :** Agricultural activities in the South-West Nigeria are mitigated by the global increase in temperature. The unpredictable surface temperature of the area had increased health challenges amongst other social influence. The satellite data of surface temperatures were compared with the ground station Davis weather station. The differential heating of the lower atmosphere were represented mathematically. A numerical predictive model was propounded to forecast future surface temperature.

**Keywords :** numerical predictive model, surface temperature, satellite data, ground data

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