

## Table of Contents

**Volume 5 Number 12**
**December 2017**
**Anomalous Atmospheric Circulation Associated with Recent West African Monsoon Rainfall Variability**

- U. K. Okoro, W. Chen, C. Chineke, O. Nwofor.....1

**Study and Analysis of the High Performance Computing Failures in China Meteorological Field**

- X. X. Chen, J. Sun.....28

**Trend Analysis in Annual and Monthly Pan Evaporation and Pan Coefficient in the Context of Climate Change in Togo**

- K. Djaman, K. Koudahe, K. K. Ganyo.....41

**Assessment of Radionuclide Content of Shore Sediments Collected from the Bank of River Benue, North-Central Nigeria**

- T. Sombo, E. Emmanuel, J. Ugwuanyi.....57

**Electric, Magnetic and Gravitation Field of the Earth**

- A. Ivanchin.....66

**Temporal Dynamics of Standardized Precipitation Evapotranspiration Index and Its Influence to Summer Maize Yield from Kaifeng Region in He'nan Province**

- K. Y. Peng, J. F. Peng.....80

**Magnetic Anomaly Interpretation of the Northern Congo Craton Boundary: Results from Depth Estimation and 2.5D Modeling**

- B. C. Antoine, E. Y. Albert, K. J. Victor, N. T. C. Donald, S. M. C. Mathieu, S. N. Yves.....90

**Assessment of Climate Technology Demands in Chinese Sponge City**

- Z. Y. Ma, J. Hu, P. Feng, Q. X. Gao, S. J. Qu, W. Song, J. H. Liu.....102

**Analysis of Geographical Distribution of Missing Children Based on the Missing Children Mobile GIS Mutual Assistance System of China**

- X. D. Gong, H. Cheng, L. Yang, Y. M. Duan, Y. Yao, Y. F. Feng, L. Fu, J. H. Liu, M. Y. Du.....117

**A Rainfall Intensity-Duration Threshold for Mass Movement in Badulla, Sri Lanka**

- E. N. C. Perera, D. T. Jayawardana, P. Jayasinghe.....135

**Misalignment Angle Calculation Accuracy Analysis of Three-Axis Stabilized  
Geostationary Satellite**

J. Shang, C. B. Liu, L. Yang, Z. Q. Zhang, J. Wang.....153

**Facility Mapping of University of Lagos**

E. O. Makinde, S. A. Adebangbe, B. A. Erinjogunola.....166