

Table of Contents

Volume 9 Number 3

July 2019

The Discovery of Atmosphere Cooling Engine

L. L. Xu, J. Q. Tan, Y. J. Mao, B. M. Chen, H. Y. Fan.....275

Seasonal Difference of the Deep Currents in the Luzon Strait during October 2008-January 2009 and July-August 2009

Y. C. Yuan, W. B. Guan, C. H. Yang, Y.-H. Tseng, H. Q. Wang.....284

Assessment of Drought Vulnerability and Occurrence Zones in North Central Nigeria

O. Ideki, V. E. Welu.....298

Climate Study of Owerri and Comparative Analysis of Different Methods of Base Factor Computation

S. I. Echebima, B. C. Ndukwu, A. A. Obafemi.....310

Severe Convective Weather Nowcasting System in Heilongjiang Meteorological Bureau and Its Preliminary Performance Evaluation

X. M. Guan, X. Zong.....323

Analysis of Terrain Height Effects on the Asymmetric Precipitation Patterns during the Landfall of Typhoon Meranti (2010)

J. Q. Liu, Z. L. Li, M. X. Xu.....331

Evidence of Long-Term Trend of Visibility in the Sahel and Coevolution with Meteorological Conditions and Vegetation Cover during the Recent Period

S. Silué, T. E. N'Datchoh, A. Diedhiou, E. Quansah, M. Doumbia.....346

Variability in Spatial Distribution of Precipitation Overall Rugged Topography of Lebanon, Using TRMM Images

I. Jomaa, M. T. A. Saab, S. Skaf, N. El Haj, R. Massaad.....369

On the Co-Variability between Climate Indices and the Potential Spread of Seasonal Climate Simulations over South African Provinces

K. A. Lawal, D. A. Stone.....381

Comparative Accuracy Assessment of Combined MODIS and NAAPS Aerosol Optical Depth with AERONET Data over North Africa

C. O. Akoshile, S. Shehu-Aladodo, M. Sani, J. O. Otu, B. T. Ajibola.....398

Assessment of Socio-Economic Impacts of the December 2011 Flood Event in Dar es Salaam, Tanzania

D. M. Anande, P. M. Luhunga.....421

Statistical Modeling of Emission Factors of Fossil Fuels Contributing to Atmospheric Carbon Dioxide in Africa

M. A. Abu Sheha, C. P. Tsokos.....438

Adaptation of Smallholder Dairy Farmers in South Western Kenya to the Effects of Climate Change

C. O. Odhiambo, H. O. Ogindo, C. B. Wasike, W. O. Ochola.....456

Analysis and Forecasting of the Impact of Climatic Parameters on the Yield of Rain-Fed Rice Cultivation in the Office Riz Mopti in Mali

A. Aman, M. Nafogou, H. V. N'Guessan Bi, Y. K. Kouadio, H. B. Kouadio.....479

On the Diversity of Long-Term Temperature Responses to Varying Levels of Solar Activity at Ten European Observatories

V. Kossobokov, J.-L. Le Mouël, V. Courtillot.....498

The Spatio-Temporal Variability of Rainfall over the Agro-Ecological Zones of Ghana

W. A. Atiah, L. K. Amekudzi, E. Quansah, K. Preko.....527