

# Table of Contents

**Volume 9    Number 3**

**March 2021**

**An Automatic Optimization Technique for the Calibration of a Physically Based Hydrological Rainfall-Runoff Model**

Z. P. Jérôme, A. A. Eric, O. Ezéchiél, B. I. Eliézer, E. C. Ezin.....1

**Gastropods Diversity in Thondaimanaru Lagoon (Class: Gastropoda), Northern Province, Sri Lanka**

A. A. T. N. Amarasinghe, T. Eswaramohan, R. Gnaneswaran.....21

**Reliability Assessment of an Open Pit Slope on Bong Iron Ore Mine**

M. G. Shannon.....31

**Appraisal of Groundwater Potential of Fadama Areas within Northern Nigeria: A Review**

M. O. Eduvie, M. L. Garba.....44

**Microplastics in Freshwater Environments and Implications for Aquatic Ecosystems: A Mini Review and Future Directions in Ghana**

J. Acquah, H. C. Liu, S. L. Hao, Y. Ling, J. Ji.....58

**Visible and Near-Infrared Spectroscopy with Multi-Parameters Optimization of Savitzky-Golay Smoothing Applied to Rapid Analysis of Soil Cr Content of Pearl River Delta**

X. W. Shi, L. J. Yao, T. Pan.....75

**Linear Global Temperature Correlation to Carbon Dioxide Level, Sea Level, and Innovative Solutions to a Projected 6°C Warming by 2100**

T. F. Valone.....84

**The Eocene Bryozoans of Bekrit-Timahdite Formation, Middle-Atlas, Morocco: Taxonomy, Paleoenvironments and Paleoclimates Implications**

M. El Attmani, A. Bouwafoud, S. Elouariti, H. S. Mhamdi, A. B. Bouziane, M. Mouflih.....136

**Analysis of Eco-Tourism Climate Resources in Xingwen, China Based on the Comfort Index and the Negative Air (Oxygen) Ion**

M. Yuan, X. C. Liu, J. Guo, Y. Huang, W. W. Song.....154

**Hydrogeochemical Characteristics and Quality Assessment of Surface Water in an Agricultural Area in Equatorial Africa: The Mungo River Basin, South West Cameroon, Central Africa**

G. R. N. Ndondo, S. N. Boum, F. Song, G. E. T. Eyong, D. E. Komba, B. Nlend, J. Etame.....164

**A Synthetic Study of the Position Difference of the Southern Branch Trough of the Qinghai-Tibet Plateau Based on Objective Identification**

K. Li, S. W. Zhou, X. Shi, S. Y. Chen, Q. Q. Song.....182

**Accidents Related to the 2014 Rains and Their Socio-Economic Consequences in the City of Abidjan: The Case of the Municipalities of Abobo and Attécoubé (Côte D'Ivoire)**

B. K. Marcel, A. A. Athanase, K. K. Joël, A. D. André.....195

**About Resolvability of the Problem of Lightning Coordinates Finding by the Time of Lightning Discharge Arrival**

Y. R. Shpadi, A. S. Inchin, A. Y. Lozbin, G. Ayazbayev, M. Y. Shpadi, L. I. Mailibayeva.....209

**Integration of GIS and F-Hydra Model for Aquifer Vulnerability Monitoring in the Afram Plains, Ghana**

A. Agyare, A. T. Kabo-Bah, B. T. Bayel, A. S. Jalloh.....222

**Spatial-Temporal Distribution of Summer Extreme Precipitation in South China and Response of Tropical Ocean**

X. Shi, K. Li, M. Z. Yang, X. Y. Lu.....249

**Assessment of Flood Risk in Cotonou Areas Surrounding Nokoué Lake Due to the Effect of Climate Change**

A. E. Chokpon, P. Ozer, E. Lawin.....262