

Table of Contents

Volume 11 Number 9

September 2023

Antarctic Sea Ice Concentration in the Brazilian Earth System Model Simulations

F. Casagrande, E. Finotti, R. B. Souza, R. Moura, N. F. Leonardo.....1

Quantification of Above-Ground Biomass and Carbon Sequestration Potential of Roadside Trees in the Plateau Department of Benin Republic

D. I. Adekanmbi, I. A. Yevide, K. I. Edna Deleke Koko, A. B. Fandohan, B. S. Michoagan, M. Issa, A. B. Djossa...20

RAPD Markers and Genetic Information Entropy in Environmental Monitoring: A Case Study with Wild Mushrooms

C. Psallida, D. Argyropoulos.....28

Soil Organic Carbon Stock and Soil Quality under Four Major Agroecosystems in the Eastern Flank of Mount Bambouto (West-Cameroon)

A. L. Wijungbwen, C. Nguemezi, D. I. V. Djeuhala, P. Tematio.....40

Analysis of a Large Scale Cold Air Weather Process in China during January 2021

B. J. Wu.....54

Structural Mapping of Kakobola and Its Surroundings by Analyzing Geomagnetic Data

J. Musitu Muliwavyo, A. Mbata Muliwavyo, L. Musitu, J.-M. Tshitenge Mbuebue, C. N. Umba-Di-Mbudi.....64

A Comparative Structural Study of Southern Region Shallow Basement of the North-Kivu Province (DR Congo) by Gravity and Magnetic Data Analysis

A. Mbata Muliwavyo, J. Musitu Muliwavyo, L. Musitu, J.-M. J. Hangi Vuvuya Kataka,
J.-M. Tshitenge Mbuebue, C. N. Umba-Di-Mbudi.....90

Utilizing Artificial Intelligence (AI) for the Identification and Management of Marine Protected Areas (MPAs): A Review

Ş. M. Kaymaz Mühling.....118

The Performance of Black Soldier Fly Larvae (BSFLs), *Hermetia illucens* L. (Diptera: Stratiomyidae), as a Function of the Substrate Used: A Review

M. A. Tambeayuk, M. A. Kamga, O. J. Taiwo.....133

Analysis of Snowstorm Process in Northeast China during 5-9 November, 2021

R. Z. Hu.....153

Characteristic Analysis of Short Time Heavy Rain in Yulin, China

Y. Q. Xiao, Q. Y. Hu, P. Y. Li, J. Yao.....165

Physicochemical Properties and Health Risks of Informal E-Waste Processing at Alaba International Market in Lagos, Nigeria

A. O. Bankole, A. O. Ogunkeyede, J. N. Odionye, B. Giwa, O. C. Mbaoma, B. H. Akpeji, E. A. Fadairo,
E. J. Isukuru.....176

A Review of Greenhouse Gas Emissions by Hydropower Reservoirs

M. A. D. Santos.....203

ASTER Data Processing by Discrete Wavelets Transform and Band Ratio Techniques for the Identification of Lineaments and Hydrothermal Alteration Zones in Poli, North Cameroon

M. Ahamadou, M. N. Stella, M. Arsène.....216

The Application of Regional Coordinate in the Relatively Heavily Polluted Area of Chromium in Water of the Hun River, Northeast China

K. Zhang, X. Feng.....233

Application of Fluid Phase Recovery Method in the Early Development of BZ26-6 Volatile Oil Field in Bohai Sea

Z. N. Gao, L. Zhang, H. J. Wu, L. Huang, X. L. Gong.....242

Assessment of Drinking Water Quality Served in Different Restaurants at Islam Nagor Road Adjacent to Khulna University Campus, Bangladesh

S. I. Mou, S. C. Swarnokar, S. Ghosh, M. T. Ridwan, K. F. Ishtiaq.....252

Characterization of Near Surface Intrusions in South-West Cameroon Zone Using Gravity Data: Mining and Geothermal Implications

G. N. Ndongmo, F. Koumetio, F. Ngapgue, E. L. Lemoubou.....268

Assessing the Ecological Consequences: Biodiversity Decline in Gopalganj, Bangladesh, under Climate Change

Md. A. T. Jihan, R. Islam, Md. R. Hossain, S. Hossain, R. Islam, T. Jahan, R. Jahan, Md. M. Rahman,
Md. M. Islam.....297

Synthesis of Modified Walnut Shell Biochar and Its Performance of Cadmium Adsorption

J. K. Chen, J. N. Wang.....317

Reservoir Characterization of Special Dolomite Rock of Fengcheng Formation in Junggar Basin, China

F. M. Huang, Y. Liu, C. H. Pan, D. C. Wang, P. Zhang, Y. P. Fu, H. Zhang, H. B. Su, J. Lu, Z. Zhong, B. Wei.....333

Evolution of the Physico-Chemical Quality of the Water in the Manantali Dam Reservoir from 1989 (One Year after Impoundment) to 2022

J. M. Faye, S. Ndao, L. E. V. Sambou.....351

Daylighting the Role of Soil Ecosystem Services (SoESs) for Climate Change Adaptation

M. Y. Mutlu, A. Tezer.....367