

TABLE OF CONTENTS

Volume 4 Number 10

December 2013

The ~3.6 to 3.7 M Paucity in Global Earthquake Frequency: Potential Coupling to Zero Point Fluctuation Force and Quantum Energies	
D. A. E. Vares, M. A. Persinger.....	1321
Seismic and Tectonic Correspondence of Major Earthquake Regions in Southern Ghana with Mid-Atlantic Transform-Fracture Zones	
J. M. Kutu.....	1326
Crustal Thickness of Funafuti Using Receiver Function Analysis	
V. Srivardhan.....	1333
Air-Water Carbon Dioxide Exchange in the Littoral Zone of Lake Baikal (Ice-Free Period)	
V. M. Domysheva, M. V. Panchenko, D. A. Pestunov, M. V. Sakirko.....	1339
Estimation of Snowmelt Infiltration into Frozen Ground and Snowmelt Runoff in the Mogot Experimental Watershed in East Siberia	
K. Suzuki.....	1346
Estimation of Wheat Area in Córdoba, Argentina, with Multitemporal NDVI Data of SPOT-Vegetation	
A. C. de la Casa, G. G. Ovando.....	1355
Urban Spatial Expansion Characteristics in China's Rapid Urbanization Region—A Case Study of SXC Region	
M. Qian, L. J. Pu, J. Zhang, M. Zhang.....	1365
Goelectrical Investigation of a Proposed Dam Site in a Sedimentary Terrain: Case Study of Aba River at Amapu-Ideobia, Akanu Ngwa Southeastern Nigeria	
S. I. Ibeneme, K. K. Ibe, A. O. Selemo, J. O. Nwagbara, Y. E. Obioha, K. O. Echendu, B. O. Ubechu.....	1376
Life on Earth Originated Where Later Microbial Oxygenic Photosynthesis Precipitated Banded Iron Formation, Suppressing Life Diversification for 1.4 Ga	
Z. Lewy.....	1382
Gravity Survey along the Mizuho Traverse Routes, East Antarctica: SEAL Seismic Exploration in 1999-2000	
S. Toda, H. Miyamachi, H. Murakami, T. Tsutsui, M. Kanao.....	1392
Gold Behavior in Weathering Products of Quartz Vein in Mintom Area South Cameroon (Central Africa)	
A. M. Mbenoun, G. F. N. Ngon, E. C. Bayiga, R. Y. Fouateu, P. Bilong.....	1401
Applicability of Phase Synchronization Clustering to Detect the Process of Climate Events	
Z. H. Qian, Z. P. Zhang, G. L. Feng.....	1411
Cement Kiln Dust Chemical Stabilization of Expansive Soil Exposed at El-Kawther Quarter, Sohag Region, Egypt	
H. A. H. Ismaiel.....	1416
Spatial Interpolation of Tidal Data Using a Multiple-Order Harmonic Equation for Unstructured Grids	
L. Shi, K. W. Hess, E. P. Myers.....	1425
Oxygen Isotope Study of Silica Sinter from the Osorezan Geothermal Field, Northeast Japan	
K.-I. Hayashi.....	1438

Biosphere Reserve as a Learning Tourism Destination: Approaches from Tasik Chini

A. Habibah, I. Mushrifah, J. Hamzah, A. Buang, M.E. Toriman, S. R. S Abdullah, K. Z. Nur Amirah, Z. Nur Farahin,

A. C. Er.....1447

Continental Flood Basalts and Rifting: Geochemistry of Cenozoic Yemen Volcanic Province

M. A. Mattash, L. Pinarelli, O. Vaselli, A. Minissale, M. Al-Kadasi, M. N. Shawki, F. Tassi.....1459

Monitoring Landslide-Induced Displacements with TerraSAR-X Persistent Scatterer Interferometry (PSI): Gimigliano Case Study in Calabria Region (Italy)

B. Silvia, C. Francesca, D. V. Chiara, M. Sandro, C. Nicola.....1467

Hydrological Study of Watersheds arid and Semi-Arid South-Eastern Algeria

(Chott Melghir, Chott El Hodna and Highlands Constantine)

F. Belagoune, D. Boutoutaou.....1483

Allowable Bearing Capacity for Shallow Foundation in Eket Local Government Area, Akwa Ibom State, Southern Nigeria

J. G. Atat, I. O. Akpabio, N. J. George.....1491

Landslide Hazard Zonation in NH-1A in Kashmir Himalaya, India

R. K. Chingkhei, A. Shiroyleima, L. R. Singh, A. Kumar.....1501

Suitability of Irbid Clay as Compacted Liners for Landfill, Jordan

O. S. Mughieda, M. Al-Sharif.....1509