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Role of Geophysics in Mitigating Environmental Pollution

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Editor Note

Geology is a science that deals with issues, challenges, perspectives related to planet Earth and other celestial bodies. Study of geology mainly helps in understanding the history of the Earth, plate tectonics, past climates, mineral and hydrocarbon exploration, natural hazards, environmental problems, and climate changes. Geophysics as a field of study originated in more recent times, despite technological know-how of magnetic compasses and rudimental seismic instruments had long been known. Knowledge of geophysics has largely been used for the exploration of minerals and other natural resources.

Journal of Geology & Geophysics is an open access and peer reviewed international journal that publishes quality scientific content and advanced research in Geology, Geomorphology, Gravity, Geo-informatics, Mining, etc. In the volume 5, issue 3 of the journal, articles related to diversified fields of geology and geophysics were published.

Nwankwoala et al. [1] investigated the suitability of a shoreline for designing and construction of shoreline protection to carry out reclamation at the adjoining lands. They concluded that the plastic clay beneath the cellar slab should be carefully observed for settlement, during the design and construction of the cellar slab for shoreline protection.

Ghosh et al. [2] studied the history of movement of Syeniterocks in the Sushina Hills of Tamar Porapahar Shear Zone (TPSZ). They concluded that the rock samples were uplifted at the rate of 9.97 m/Ma in the period of 535 Ma-970 Ma. Aloui et al. [3] described the air blast method in quarrying and mining. They optimized the air blast method to reduce the level of the air blast over pressure frequencies to less than 20 Hz and all over pressure magnitudes to less than 134 dB, which are considered as safe limits.

Yusoff et al. [4] briefly discussed about the uranium-thorium decay in the marine environment of the southern China Sea. Hong et al. [5] proposed an automatic deconvolution method to infer mineral composition and crystal structure.

The above articles, selected from more than 15 submissions, have greatly contributed to the advancement of knowledge in their respective fields of study.

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