EuroSciCon

World Summit on

Climate Change and Global Warming

June 21-22, 2018
Paris , France

Gad El-Qady, Expert Opin Environ Biol 2018 volume: 7
DOI: 10.4172/2325-9655-C1-020

GEOTHERMAL RESOURCES: DEMANDS, ENVIRONMENTAL IMPACTS AND RULES OF GEOPHYSICS

Gad El-Qady
NRIAG, Egypt

Currently, the energy, its challenges in the world is very serious issue for scientists as well as the policy makers. Estimates show that the Arab/ middle East and North Africa (MENA) region has considerable potential for renewable energies, including geothermal. Recently the energy related research had been greatly enhanced, however, applications still limited. The limitations represents another challenges must be addressed by the new technologies that are available in the market. Nevertheless, the scientific community are perusing new systems and techniques to reduce the cost. For the geothermal resources, exploration and drilling technologies, including deep aquifer exploration, are greatly enhanced during last few years. Such modest rules of exploration technologies could lead to huge reduction of the required budget for assessment studied of the geothermal regimes worldwide. Directional drilling, hot dry-rock and many others are extensively addressed. On the other hand, considering the environmental impact of such geothermal systems on the neighbouring society could also lead to clean environment including the green energy. Several models will be addressed in my presentation for geothermal energy systems.

Biography

Prof. Gad El-Qady has completed his PhD from Kyushu University and Postdoctoral studies from the same University earth resources engineering department. He is the head of applied geophysics department of the national research institute of astronomy and geophysics (NRIAG), Cairo, Egypt. He has published more than 40 papers in reputed journals and has been serving as an Editorial Board Member of NRIAG journal. He also serving as Board Member of the Egyptian Geophysical society (EGS).

gadosan@nriag.sci.eg