

# The MRF-Sensitization of Gold-Bearing Rock Crystals

Dr. Pawan Kumar

Associate Prof., Department of Physics, A.S. (P.G.) College, Sikandrabad, U.P., India.

*A series of experimentation on geo-rock crystals such as gold containing minerals, peridotite, pyroxinite, proterozoic volcanic rocks, lava tubes & their contents etc. under the artificial feedback of signals and fields manifests a typical development of electrical as well as magneto-conductivity with big anisotropy. Which confirms the existence of multi-layered, auto-blanketed, nucleo-ionic condensation 'n' of the order of  $10^{14}$  -  $10^{16}$ . The temporal development of the magneto-potential records shows the possibility of channelizing the earthquake energy in stimulating cold-fusion processes in MRF-Sensitized geo matters in the subduction zones of earth.*

**Keywords:** temporal development, geo matters, magneto potential.

## 1. INTRODUCTION

The electrical, electronic and magneto conduction processes in geo matters reveal their tremendous resource potentials [1]. The sudden release of tremendous strain energy accumulated during extensive time intervals as a consequence of earth-quake is causing an anomalous acoustical vibrational structure in tectonic plates of earth, that confining the lattices of the rock crystals planes in the voluminous structure intrinsically constituting the earth interior shaping it to be an electrical condenser of almost infinite capacity [2,3]. The MRF-sensitization of geo-rock crystals strengthen them electrically and electronically such that instead of shaking mechanical displacement of tectonic plates causing earth quake is directly transformed into electrical as well as electronic signals as a consequence of plasma turbulences [4]. The globally-spreaded geo-rocks comprising the seismically active belts or the gigantic submarine mountain ranges will start imparting electromagnetic wave carrying channels and thus controlling the earth quake under MRF-perturbation imposing acousto-optical switching on geo matters [5,6].

## 2. THEORY & EXPERIMENTAL STUDY

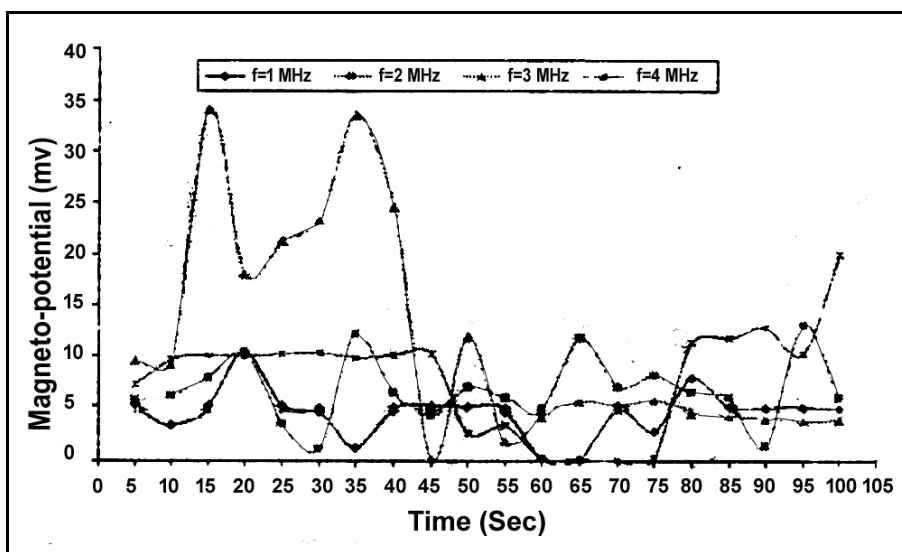
The electrical conductivity is a promising geophysical parameter predicting earth quake as it is sensitive to the micro variations in geo-rocks and their complementary elemental condensations. The rock conductivity is the function of interconnections of minor constituents such as saline fluids, partial melts, graphite etc. which provides the electronic pathways depicting the electrical conductivity of structure of earth or it's fragments e.g. in the Satpura hills region underlying Jabalpur area, Son-Narmada-Tapti (SONATA) lineament in central India drift zone. Satpura Conductivity Anomaly (SCA) which probably imposed a series of earth quakes of different magnitudes in the last century, a devastating earth quake of magnitude 6.0 on the Richter scale on May 22,1997. Deep seismic sounding (DSS) along with magneto-radio frequency (MRF)

excitations may depict earth quakes more precisely on the basis of next order nucleonic-plasma density capable of undergoing nuclear fusion reactions. The subduction processes selectively enrich Thorium (Th) in the volcanic arc granite (VAG) in various tectonic settings. The rocks of volcanic arc tectonic settings confirming the concentrations of Rb, Y, Nb, Yb, Ta, Th, Quartz, SiO<sub>2</sub>, K<sub>2</sub>O, Sr, K, Au whose ionic flow through long range geo-tunnels or lava tubes may be employed.

In present study gold bearing rock crystals were prepared by cutting the minerals using standard methods and were employed in 4-probe Hall geometry and air drying silver paste was used for making electrical contacts on the samples.

### 3. RESULTS AND DISCUSSION

The temporal development of one such rock belonging to Bundelkhand namely HAR-2 have been shown in Figure 1 at magnetic field  $H=6$  KG whose oscillatory nature with time may enable us to compute the product of plasma density  $n$  and it's confinement time  $\tau$  perfectly obeying the Lawson's criteria



**Fig. 1:** Temporal development of Gold Rock HAR-2 under MRF excitation at  $V_x=4V$  and  $H=6$  KG.

Thus we conclude that the nuclear dead rocks of the earth are being activated under MRF perturbations to control the man made and the natural calamities.

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