

5<sup>th</sup> International Congress on PHYSICS

March 03, 2022 | Webinar

## QUANTUM ORIGIN OF NANO

**Manish Kumar***Indian Institute of Technology (BHU) Varanasi*

The origin of nano lies in the secret of velocity of light, as we all know Velocity of light  $c = 1/(\mu_0 \times \epsilon_0)^{0.5} = 3 \times 10^8$  So  $(\mu_0 \times \epsilon_0)^{0.5} = 1/(3 \times 10^8) = 3.33 \times 10^{-9} = 3.33$  nano second per meter. Hence reaction rate for nano sized particle is  $1/c = 3.33$  Nano second Hence Nano particles of size 3.33 Nano meter possess entire different character to their macro size particles that is to say Nano particles behave differently to the electrical and magnetic field and are highly dynamic in nature and behave as if they possess sense as compared to their higher sized. So to create sense one needs to go to Nano sized, and that I coined the term as "Quantum Origin of Nano", so in the medium like water available in plenty in ocean where all the life forming elements are available in Nano size. Any single photon will create sense thus every nano sized carbon and water available in the Ocean behaves sensibly to the photon being absorbed thus quantum of life originated first in the ocean and this is also evident from the Vedic literature available in the Hindu mythology that the first incarnation of Lord Vishnu is "Pisces incarnation" is fishes who started life and with evolution life moved from ocean to the land because life or soul is always dynamic and in search of its cause so once moved to the land due to the oceanic tides occurring due to the moon and sun gravitational field and due to the rotation of earth on its axis....hence like churning of ocean to get all then 14 jewels from the "Samudra Manthan"

**Biography**

Manish Kumar has obtained B.E. (Electrical Engineering) from MNNIT, Allahabad, M. Tech. (Energy Studies) and Ph.D. (Plasma Physics) from IIT Delhi. He has rich experience of more than thirteen years in teaching, research and training. His areas of interest in teaching and research are Hybrid Energy system, Optical fibers, Terahertz Radiation Generation, Photonics, Surface Plasma Waves and Plasma Physics. He has published 10 papers in reputed journals and has been serving as an editorial advisory board member of repute. He has travelled widely across the globe (Canada, China, Czech Republic, Thailand and Japan etc.) under various international conferences. He has brought under the F.A.S.T. scheme of MHRD a Centre for Energy and Resources Development (CERD) for IIT (BHU). Presently he is working on the project "1.5 MW Integrated Dairy and Smart Hybrid Energy System". He is working as an Assistant Professor in Department of Electrical Engineering, IIT (BHU) Varanasi - 221005.

mkumar.eee@itbhu.ac.in