Exploration

Cosmic Origami: Finger Prints of Life

J Shashi Kiran Reddy* & Contzen Pereira

Abstract

Just as religion is impassable to its own dogmatic philosophies and ideas, present day science also acts in the same manner. Embracing its reductionist approach, it loses its sight to the most beautiful and insightful possibilities associated with the cosmos and its fundamental constituents around us. The present paper is a holistic ride into few of life's beautiful constructs that occur as a playful act of the cosmos, and in part hypothesize that the dynamic biological structures or forms could be thought of as frozen energy patterns. Here, the supposition is that the electromagnetic (EM) fields that envelop our ecosystems play a central role in its functioning and evolution acting as a unified network interconnecting life at various scales. Supporting a synergetic and holistic view, the present paper is skeptical about the present school of thought, and to other investigations carried out under the sheath of modern science by raising a few fundamental questions.

Key Words: Cosmos, life, oscillations, energy patterns, electromagnetic spectrum, bio-field, frequencies.

Life a Cosmic Origami

The infinite cosmos weaved the biologically functional fabric with supreme intelligence, communicating the cosmic imprints in the silent soup of life hosting sentient incubator; like a mother's womb. With an eye of retrospection, it breaths in its fractal nature, where in which life is just a floating bubble of conscious moment swaying in times like a womb. Here comes an ephemeral; where enigmatic life has touched a swimming biological matter, making it float in the grace of the life gifting conscious soup, which serves with primordial ingredients that host the guest (living being). Unfolding and decoding the cosmic information needed for its selective survival, life opens up to more and more adaptive and playful patterns thus creating a cosmic origami. The process of evolution is an art of cosmic origami; it folds and unfolds to a selective biological structure which adapts best to the surrounding environment (Sterne 2008). What information does present science have regarding medium that hosts life and its adaptive mechanisms? Do we have enough investigations into various thermodynamic properties, adaptive mechanisms like redox homeostasis (Reddy and Pereira 2016), and other bio-acoustical oscillations (Fröhlich 1968) and bio-electromagnetic information within the mother's womb?

There is a science as to how a certain form or fabric is weaved or created in the cosmos (Thompson and Thompson 1992; Sheldrake 1995; Sterne 2008). One could explain this in terms of patterns that flowing energy spontaneously and naturally embrace when grounded in the

* Correspondence: Contzen Pereira, Independent Researcher, India. E-mail: contzen@rediffmail.com

specific grains within the space of the cosmos. This is very similar to how a magnetic field molds the patterns taken by randomly spaced material pieces that fall within its energy field. Accordingly, natural fields or bio-fields connect life with its environment and helps in communication between living systems at a fundamental level (Sheldrake 1995; Lipton 2005; Rubik 2015). Why can't life at a holistic level embrace such approach? How could science explain certain fractal patterns that keep coming in our bio-systems at various levels (Thompson and Thompson 1992; Sterne 2008)? Where does science fail in accepting field theory of life (Lanza and Berman 2010)? Each structure or form - be it be biological or otherwise, have certain fundamental vibrational energies and associated natural frequencies. In this sense, we can connect each structure or form (including biological structures like heart, brain etc) to the energy patterns or flow structures needed for specific functioning that life adopted in the process of evolution (Karim 2007). This may then explain why a brain is a brain-like and heart is a heart-like?

The form of an object is a 'diagram of forces,' in this sense at least, that from it we can judge of or deduce the forces that are acting or have acted upon it. (Thompson and Thompson 1992)

Each space grain in the cosmos vibrates with or carries the electromagnetic (EM) spectral information (or another type of fundamental information). The cosmic information at certain specific level can be extracted via resonance, only when we are tuned to respective frequencies. This is how in general we perceive the outer world via our sense organs, which act as sensors or detectors to certain spectral bandwidths of the EM spectrum. That's the reason why our vision (ranging from 400-700nm), auditory (20 to 20,000 Hz) and other sensory systems can only sense and perceive the reality in a limited manner. What could be the reason why different living systems are gifted with varying perception of reality? For example, a bird or another animal perceives reality as a completely different manner than a human being (Peter et al 2004; Chen et al 2016).

To understand this, one should delve into the working of the cosmos and try to investigate if it is a mere adaptation or does it have some hidden motive behind this? What it takes to the present science to probe such investigations? Does science ever try connecting if such limited versions of perception among various species have something to do with its fundamental biological structures? This in a way could explain why different living systems are given access to various limited bandwidths of EM spectrum. Hence, we are entities trapped to the limited versions of reality through the EM spectrum and having only finite glimpses of the cosmos in and around us. To perceive reality in a true sense, we need access to fully embrace the EM spectral information. Science is just being the extended hand of an enquiring mind trapped to the very finite glimpses, but will it ever be able to understand the cosmos to which it is just a part? So, in a way, 'we are the universe looking at itself, trying to understand its own experiential existence.'

Is each moment in space-time fabric a collection of trapped possibilities that will unveil according to when and where we are looking? With each moment, we carry a dice of infinite possibilities. Each present moment's evolution is interlinked to the outcome of each past moment, that's how every incident is connected and entangled. Who can tell if each form or structure being a unique creation of the cosmos, oscillating at its own natural frequency be assigned specific pathways to infinite destinies or possibilities? What decides the life span of all

living systems? Is it not the structure or biological form that life adapted in the process of evolution? So what connection do structure or functional form and their life spans have in the eyes of present science? The answers to these questions that we seek may lie within the very fabric of the universe, for time exists as an illusionary form; a dimension that we perceive but stays limited to scientific understanding.

In this sense, all our memories could be viewed as trapped frequencies or oscillations stored in the subconscious mind. That could be one reason why certain damped out memories will surface or get triggered when we are exposed to specific sounds, tastes or smell. These specific sensory agents with their own oscillatory frequencies will resonate with certain stored frequencies that unfold or opens up pathways to damp out our memories (Engen and Ross 1973; Gottfried et al 2003). Does neuroscience have a basis for the connection between damped out memories and role played by specific sensory agents? Is there any science or instrument to validate one's own memories? What are the natural frequencies of the five fundamental elements of the material world, like fire, water, earth etc.? How are they connected to different frequencies with which various biological systems or structures vibrate? Does science understand the interplay between these elements at a fundamental level and their probable outcomes?

The universe is a living, evolving, adapting universe, which utilizes information to organize itself and to create ever-increasing levels of complexity (Mitchell and Staretz 2011). Information for the formation and progression of the universe is stored in atoms as charge and spin, with the electron providing low energy to support life and the nuclear constituents such as protons and neutrons providing high energy for the stars (Teilhard de Chardin 1959).We could in a way be treated as a three-dimensional cymo-visualization of fundamental frequencies that makes us what we are. Each different biological organ in us vibrates or oscillates with its natural frequency, and superposition of such frequencies within various organs may result in a net frequency which when visualized in the three-dimensional plane could result in the present or specific biological form or structure as a whole. This may explain why different living systems have different forms or base structures which are in turn associated with each of its functional units or segments (Karim 2007). We are connected and it is these connections that make us understand each of our desires, to understand creation and to appreciate its beauty. For as long we stay connected, we will live to admire, experience and connect with others (Pereira 2015).

Conclusions

We are not only cocooned and nurtured by the exogenous natural fields around us but are also at every step elated by the various patterns and structures (including biological forms) that pop up in the cosmos surrounding us. The present paper attempts to convince, that we are trapped beings having access to only limited versions of reality, and science being the extended hand of the enquiring mind which needs a holistic and different approach (Lanza and Berman 2010) to understanding the reality in its entirety and to probe into the play of life around us.

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