Towards Horizons of Life Creation and Destruction

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ABSTRACT

Recent success of Unified Scientific Theory (2012-2014) for different systems in the form of Order Disorder Transformations (ODTs) has revealed a fact that Nature (symmetry) and Universe (randomness) affect every event. The dynamics of ODTs in case of Human life and death processes have also revealed that photon and Bio-radiation particle- Lifton play prominent roles in different activities such as the development of Soul.

Lifton (Life particle) develops during zygote formation and development of a baby inside mother's womb. The objective of this paper is to understand further functional dynamics created between Lifton and protein molecule. Here we incorporate ODTs. We obtain two types of energies, E_1 and E_2, which correspond to Laevo Amino acid molecule and Dextro Amino acid molecule, respectively. Protein- a chain of Amino acid components play basic role in human's life and death processes. The formation of Amino acids energies, E_1 and E_2 – basic constituent has enlightened the opening path of formation the Skelton / basis for human's life and death processes inside the designed human cell fully directed by Terrestrial / Superpower.

KEY WORDS: Life creation and Destruction, Unified Scientific Theory, Universe and Nature, Bio-radiation, Bio-material, Lifton, Protein, Amino Acids

INTRODUCTION

The creation of universe and then creation of Life on earth are based on Natural laws. The existence of Nature (an ordered entity) is the manifestation itself in the dimension of time. The evolution studies based on Unified Scientific Theory [1] of Universe (random behaviour) and Nature (cyclic behaviour)through condensation of Boson particles (say photon) under Order Disorder Transformations (ODTs) have revealed that the universe began quite long back through free particles – photon. They existed at certain place, while evolution of life began through protein molecules following similar analogy. The formation of peptide bonds (characteristic of protein) has been located by the maximum and minimum values of energies , respectively of H^+ and OH^- ions in consideration ($OH^- + H^+ = H_2O$) .

Similar success of Unified Scientific Theory, a new quantum mechanical development in integral space have been experienced for the molecular systems (kinetic theory of gases and specific heats of solids) and atomic systems while reproducing different results, of the pioneers Planck, Niels Bohr, De Broglie, Einstein etc. by employing the Heisenberg Uncertainty Principle of differential space, through following ODTs - transformations of integral space:

$$\iint f(T, t)\,\Delta T.\,\Delta t \approx \iint f(E, t)\,\Delta E.\,\Delta t \approx (1/2\,\pi) \approx \iint f(D,O)\,\Delta D.\,\Delta O \,,$$

 (1)

where the symbols have their usual meanings. It has also been visualized that the Heisenberg Uncertainty Principle: $\Delta E.\ \Delta t \geq \hbar$ (h: Planck's constant) of differential space is the particular case of above generalized ODTs of integral space.

Above pioneers developed their final energy formulae for different atomic systems through different dynamics by the application of Heisenberg Uncertainty Principle: $\Delta E.\ \Delta t \geq \hbar$ of differential approach. The beauty of reproducing their different results by the methodology of Unified Scientific Theory lies on the incorporation of same Order Disorder transformations: ODTs of integral approach. The importance of our approach is that it is applicable to all the existing systems of Universe and Nature while Heisenberg uncertainty formula is valid only for atomic systems. Thus, it can be said that ODTs formula of integral approach is a modification of Heisenberg Uncertainty formula for atomic system of differential approach.

Every event is affected by Order (Nature: symmetry behaviour) - disorder (Universe: random behaviour) concepts, which form the basis of Unified Scientific Theory. Actually ODTs are relevant to understand the dual characteristics of matter and radiation in the form of an Action (Theory of Action). The stability of mind during the performance of an action (say, spirituality) is essential in order to get success as also described in the Hindu mythological book Bhagwadgita. Both theories focus that the moment one ceases to recognize such conjugate paired quantities, like completeness and incompleteness, creation and destruction, life and death, happiness and sorrow, order and disorder, one becomes spiritual as their workings are maintained and balanced by Nature.

The aim of this paper is to understand through ODTs the importance of protein molecules in the dynamics of human life and death processes. In Section 2, we discussed about our Bio-radiation formula for Lifton (life particle)and consciousness which play very important roles in the human's life growing and decaying processes. In Section 3 we presented the dynamics of the interaction of protein molecule with Bio-radiation (life particle- Lifton). The importance of obtained results of Section 3 of energy E_1 of Laevo Amino acid (left handed) molecule and the energy E_2 of Dextro Amino acid (right handed) molecule in the horizon of life creation and destruction have been concluded lastly in Section 4 of conclusion at the end of this paper.

METHODOLOGY

We have followed the methodology of Unified Scientific Theory[1] where we incorporated the Order Disorder Transformations: ODTs formula of integration approach in order to assess its validity in case of bio-materials study. The importance in brief of bio-material Lifton and bio-radiation formula used are described below.

(A) Lifton (Life particle) A photon having energy, $E_P = h \upsilon = h / t$ has been considered as the constituent particle of Sun radiation or light radiation. Time 't ' is an invisible parameter, which describes natural order characteristic. Sun is the main external source of the transformation of energy and matter to human's life systems. In addition to it the main internal energy source in form of bio-radiation (Lifton – Life energy particle) and some Cosmic radiations or bio-electromagnetic radiations or some terrestrial power (formation due to interaction of a Lifton particle and a photon particle under ODTs) evolves the consciousness (say Soul: an activate growth resource) which provides the human mind ability to think and perform actions. Further, all these radiations play prominent role in controlling human life and destruction/ death processes. The failure of life and tendency for the occurrence of death situation arises due to disorders, decaying situations in lifton, which have indicated that some super natural energy works as catalyst indirectly activating life process (a reality of evolution process) decay in the last during death [2].

During the union of a sperm and ovum, formation of zygote occurs and some bio-radiation (Lifton: energy life particle) develops inside mother's womb. At the time of fertilization of egg inside mother's womb the Gibb's energy ΔG [($\Delta G = \Delta H - \Delta S$): employed due to evolution of life characteristic] and Lifton energy $E_L = E_L (t, T)$ employed due to ODTs work as a resource energy in zygote development:

$$E_L = E_L (t,T) = (k_B / c) (\lambda T / t) = (k_B / \upsilon) (T / t) = (\epsilon_T / t), \tag{2}$$

where the symbols have their usual meanings. We call it SYA- Bio-radiation formula [3]. Lifton is associated to the activities like beating of the heart during embryo development. There is some particular period of time when quantum photon energy E_P (employed due to evolution of universe characteristic) and Lifton energy E_L under ODTs evolves consciousness [1]. Human life and death as well as Lifton- a biomaterial and the dynamics of bio-radiation have been discussed elsewhere [2-4]. But, what about the interaction of a life particle - Lifton with protein molecule ?

INTERACTION DYNAMICS OF LIFTON AND PROTEIN

In the present communication we have concentrated on the interaction of a life particle - Lifton with the protein molecule. We consider the probability distribution function f (E, t) of the form

$$f (E, t) = \exp (E / E_L) \cdot \exp (- E_{Pro} / E_L) \tag{3}$$

where E_L is the energy of Life particle - Lifton (eq. 2) and $E_{Pro} = \Delta G$ is the Gibbs energy of a protein molecule as used elsewhere [2]. We substituted above value of f (E , t) in ODTs eq. (1) to take the form

$$\iint [\exp (E / E_L) \cdot \exp (- E_{Pro} / E_L)] \Delta E. \Delta t \approx (1/2 \pi) \tag{4}$$

Or $\qquad \iint [\exp \{ E / (\epsilon_T / t) \} . \exp \{ - \Delta G / (\epsilon_T / t) \}] \Delta E. \Delta t \approx (1/2 \pi), \tag{5}$

which finally provides,

$$E_1 = (1 / t). [\epsilon_T / \{\pi (2 \epsilon_T - \Delta G t) \}] \tag{6}$$

And $\qquad E_2 = (1 / t). [2 (\Delta G t - 2 \epsilon_T) - \{(\epsilon_T / \pi) / (2 \epsilon_T - \Delta G t)\}] \tag{7}$

RESULTS

The obtained result of Eq. (6) corresponds to the energy E_1 of Laevo amino acid (left handed) molecule and eq. (7) corresponds to the energy E_2 of Dextro amino acid (right handed) molecule, i.e., the above interaction through ODTs provides formation of amino acids, which are important findings.

CONCLUSION

(i) The dependence of E_1 and E_2 energies on the gradients time t, temperature T and entropy S reveals that in human life and death processes they play their prominent roles. Actually protein – a chain of amino acids components is a polymer. (ii)The concept used about evolution of life[1] that all amino acid molecules of left handed variety (Laevo) would have formed an original protein molecule is also justified here. That's why energy E_1 possesses a great importance on the way to move life process further.(iii) Unified Scientific Theory in terms of ODTs is fully applicable for the studies of Biomaterials.(iv)The formation of amino acids as basic constituent by the interaction dynamics of Lifton (Life particle) and protein molecule has enlightened the opening path of the formation of Skelton / basis for human life and death processes inside the designed human cell fully directed by Terrestrial / Superpower.

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