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RESEARCH PAPER

Food web cycle-green plants and nutrients concatenated to terrestial organism-oxygen consumption-decomposer organism-dead organic matter-accentuation-A trophication model

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ABSTRACT

A system of green plants absorbing nutrients *vis-à-vis* decomposer organisms attested to terrestrial organisms dissipating consumption of oxygen due to cellular respiration and parallel system of consumption of dead organic matter concatenated to oxygen due to cellular respiration that contribute to the dissipation of the velocity of production of decomposer organisms *vis-à-vis* terrestrial organisms is investigated. It is shown that the time independence of the contributions portrays another system by itself and constitutes the equilibrium solution of the original time independent system. A system of nutrients consolidated with dead organic matter that reduces the dissipation coefficient of the green plants correlated to decomposer organism annexed to the oxygen consumption-terrestrial organism system. With the methodology reinforced and revitalized with the explanations, we write the governing equations with the nomenclature for the systems in the foregoing. Further papers extensively draw inferences upon such concatenation process thus consummating the fait accompli desideratum of the food web cycle, towards which the consubstantiation process was undertaken for execution.

Key Words : Food web cycle-green plants, Organism-oxygen, Organism-dead organic matter

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In his celebrated paper Haimovici (1982), studied the growth of a two species ecological system divided on age groups. In this paper, we establish that his processual regularities and procedural formalities can be applied for consummation of system of oxygen consumption by terrestrial organisms. Notations are changed towards the end of obtaining higher number of equations in the holistic study of the global climate models. Quintessentially, Haimovician diurnal dynamics, are used to draw interesting inferences, from the simple fact that terrestrial organisms consume oxygen due to cellular respiration.

Capra in his scintillating and brilliant synthesis of such scientific breakthroughs as the "Theory of Dissipative structures", 'Theory of complexity', 'Gia theory', 'Chaos theory' in his much acclaimed 'The Web of life' elucidates dissipative structures as the new paradigm in ecology.

Heylighen (2001) also concretises the necessity of self-organization and adaptability. Matsuit *et al.* (2006) made a satellite based assessment of marine low cloud variability, atmospheric stability and diurnal cycle. Steven's Feingold (2010) studied untangling aerosol effects on clouds and precipitation in a buffered system. Illan koren and Graham

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