

## INTERACTIV ROLE OF INFORMATION

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**Abstract.** *In nature, between the biotic and abiotic there are certain types of interactions that generates one of their strange behavior. The study of these interactions requires an interdisciplinary approach.*

**Keywords:** Information, interaction, biotic and abiotic systems

The existence of interactions between the biotic (living systems) and abiotic (non-viable systems), components of the environment, means at one time occurrence of a certain kind of relationship between these concerns at the interface of disciplines like biology, physics, ecology, hydraulic, cybernetics, biotechnology, thermodynamics, etc.

Issues such systems is required for interactions in the environment and to find the answer in the energy and the information systems. This behavior can be defined in terms of simple or complex phenomena that these systems they generate.

Here and the difficulty of explaining, to find the calculation of mathematical relationships or identifying them.

In other words, to deepen knowledge on the behavior of energy in support of information systems biotic and abiotic, assumes the role of information in understanding the interactions that occur between these systems and the environment.

Meanwhile, a hydrothermodynamics want to explain the definition of order in these systems, the specific phenomena of the two sciences, and other sciences studying systems with many components (subsystems).

The most studied examples of order or disorder in the sequence in order are: the structures of the thermal conductive fluid or not, the electroconductive fluid at high temperatures, instability thermalelastic, crystal growth, lasers, chemical reactions, deformation of thin plates, aerospace engineering,

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