



Editorial of Thermodynamics

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Editorial

There were considered both a human organism and cells of an organism as the open non equilibrium nonlinear thermodynamic systems which are subjected laws of thermodynamics, mechanism stability of them are described by Prigogine Theorem, and development Stationary State an able-bodied organism and Quasi-stationary pathologic State an organism are described by Glansdorff-Prigogine theory. The mechanisms operation of a human organism and cells of an organism in norm and pathology were studied from point of view of biophysics and biochemistry taking into account laws of thermodynamics. Thus it was explained biochemical and biophysical mechanism maintenance stability Internal Energy and Internal Medium of the open thermodynamic system of an organism. Also there were revealed the availability of cellular capacitors and variable cellular capacitors in cellular wall, and mechanisms of their operation gave possibility to offer mechanism cellular remote reaction across distance and contact cellular reaction in immune response to strange object and hormonal reactions. Besides there were offered new elucidation of mechanism Warburg effect which gave possibility to explain mechanisms metastasis, irrepressible proliferative processes of cancer cells and irrepressible growth of cancer tissue, unhealed cancerous ulcers and also distinction between mechanism Warburg effect and mechanism Pasteur Effect. The explanation mechanism Warburg effect gave possibility to explain mechanism new method cancer treatment which was borrowed by folk healers [1-11].

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