

The theory of conscious sonoluminescent pulsations (TCSP-2004)

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This new theory is referring to the origin and nature of mental phenomenon. It explains the human soul as the result of couplings among the patterns of light and the sound. The theory contains nine psycho-quantum principles, five operations and applications. Nature and provenance of signals launch the state of how much lucidity and the phenomenon of self-governing represent central theme of the theory.

This new theory is use to the concept of: Psychology, Quantum Physics, Biology, Genetics. This Theory is result of other theory:

- Karl Pribram-1971
- Fritz Albert Popp-1974
- Rupert Sheldrake-1981
- Peter Gariaev-1991
- Ion Mânzat-1999

Life is a resonance of pulsations. Our body contain about 10^{13} (10 billion) eukaryote cells with coherent pulsation. The origin of pulsation is the DNA. Light and sound emerge immaterial and bring conscience.

Hypothesis

- 1) –The human psychic system represents a complex and dynamic system whose self-organization is given by the non-linear interactions between light, solitons, sound and gravitational radiation; all these are components which transform continuously co-operating synergistically within the system. The mechanism is represented by the resonance.
- 2) The acquisition of information begins since the birth, continues during life and is achieved by the caption by resonance of various radiations (from the visible spectrum, sound, thermal or I.R. by structures of the organism able to transform them into memories (centriols, DNA, water molecules, liquid crystals, etc.)
- 3) The thought is represented by the sonoluminescent holograms (visual and auditive representations) that are covered by the solitonic wave. The solitonic pulses represent conscious pulses.
- 4) The kinetic representations (that reflect the movement) are achieved by the succession of holograms protected by the solitonic wave.
- 5) The DNA issues rhythmically (cell vibration) bioluminescent pulses that give birth to acoustic-optical holograms along the DNA chains (due to the phenomenon of sonoluminescence, Casimir Effect, Compton, etc.) following the subjective reading of the individual (their passage through the individual genetic code). These holograms are inscribed by vibration in the water from interior and about the DNA forming the memory (characterized by a certain order of angles that macromolecules form between them). The human learns the significances of objects, phenomena and actions which he meets (understanding) by the reporting of the new information (signals) to the fund of knowledge assimilated and systematized in the cell water and in the liquid crystal under form of three-dimensional matrixes with fractal character.
- 6)-The three-dimensional matrixes from the connected water (memory of short duration) is crystallized forming the memory of long duration (from the liquid crystal).

7)–The thought and its essential instrument the interior language (the sonorous part of sonoluminescent holograms) characterized by question-answer is due to the oscillating motion of DNA bases that continuously search for the answer in these matrixes. The answer is found when the matrixes made by codons movement are overlapped over the pre-learned models (holograms over holograms). The question consists in the process of reading of the holograms born from the reflection of surrounding reality (as from the passage of a magnetic tape, thus with information before a reading head).

8) – The permanent passage through the human body of the cosmic and gravitational radiations triggers the status of lucidity, knowledge itself as result of the process of activation of the memory inscribed in water and in the liquid crystal of the organism (the human body is considered a Cherenkov detector).

9)–The bio-feedback processes are generated due to the Fröhlich-Cherenkov effect that consists in the propagation of the soliton with a greater speed than the speeds existing in that medium. Thus thoughts are propagated slower forward than in the opposite direction that shows a typology of interactive communication with retroversion in successive cycles of feedback type.

10)–Due to the self-organizing and synergetic character of toroidal solitonic waves these are maintained after the physical death due to quantum cohesion phenomenon.

Consequently, following these advanced hypotheses, it can be concluded that:

- The human being possesses a psychical system with substantial- radiant fractal character where the self-organization is given by the shape of the substance as well as by the non-local collisions of the solitonic pulsing, presenting unity through resonance.
- The dynamic of the psychical collisions is given by the environment / medium in which they develop as well as by the signals' nature itself.
- The thoughts nature/ character in physical level is represented by the sound-light holograms covered by the solitonic wave of which pulsation shows the hologram's information. (spectrums Fourirer).

Therefore we can put forward the ***thesis*** according to which the consciously phenomena have for basis the solitonic sound-light pulsations from the human organism which constitutes insights (sudden enlighten) by which the psychism is intensely/ strongly connected to a purpose.

Here are the **Psycho-quantum principles**:

1) The principle of the adequate psychic medium

It refers to the space where the mental phenomena are developing. The coherent quantum phase in the living cell takes birth because of dipole structure of the water. This coherent phase maintains the informational quantum network from the cell. The pure water practically transports the electromagnetic radiations without any loss. Each liquid crystal once photonically excited becomes stimulus source for generating a new front of waves.

In report with the intensity of the brightening / shining stimuli, these crystals are oriented in a well defined position, determining the long-duration memory. By repeating the stimuli of the same kind, it is reached the accentuation of the liquid crystals orientation and the increase of the memory's duration. In other words, the duration memory is proportional with the intensity of the generators stimuli, with the continuous character of the generated electrical and magnetic fields. The structure of the crystal liquid of the living organisms holds the key of the fast intercommunications inside the organisms and of the perfect co-ordination of the life's processes.

2) The principle of the space-temporal reflexive perception

According to the investigations/ researches undertaken by A. G. Buehler it has been experimentally demonstrated that at the cellular level the human organism possesses structures (centrioli) capable of measuring the space and the time acquisitioning information which they process and transform into memories. In this case, the infrared signal that is later on transformed into soliton is deposited and preserved such way that it can be space-temporally processed.

The pieces of information are holographic intercepted at the peripheral receivers level and they are constituted in different frequencies. The sono-luminescent holograms play a double role: of energetic (luminous) amplification and of informational amplification (of increase of the luminous intensity). Any cybernetic system realizes through reflection on all the organization passages of the (gray) matter an image, a model of the external environment which it „preserves in its structure“.

3) The principle of the resonance of the solitonic sono-luminescent pulsing

The sono-luminescent solitonic pulsing from this field resons according to the principle of non-locality as „a fire with sparks which jump far and fire other fires at big distances from the original fire“.

These pulsing are components of the morphogenetic field described by the english biologist Rupert Sheldrake, field which manifests as „morphological resonance“. In certain conditions the vibratile state of the physical support (cellular liquid crystals) which reflect the memorization of the pieces of information can be transferred through an adequate resonance mechanism to the level of the bio-field afferent to the organism, into the human aura. The information is preserved in field/sphere waves mathematically descriptible by Fourier type equations. In the auric field/ sphere, the sono-luminescent pulsing represent the essential memory achieved during an entire human existence.

4) The principle of the coherent overlapping of the holograms as matrixes.

In a second there can be registered $10^3 - 10^5$ object – holograms, achieving thus the movement sensation by fast overlapping of the sections, respectively the depth (relief) sensation or of distance of the source-object.

The images processing is achieved by the holographic collision between laser radiations of low power, having the characteristics of the coherence, monochromaticity, intensity and directionality. Each cell from the embryologic chain receives the laser light double as intensity unlike the radiation which penetrated in the first cell a.s.o.

The sono-luminescent holograms are inscribing/registering through vibration in the water from the inside and around the DNA forming up the memory (characterized by a certain order of the angles which the macromolecules form among themselves).

The man learns the significances of the objects, phenomena and actions he meets (understanding) by reporting the new pieces of information (signals) to the luggage of knowledge assimilated and systematized in the cellular water (short duration memory) or the liquid crystal (the long duration memory).

The thinking and its essential instrument, the inner language (the sonorous side of the sono-optical holograms) characterized by answer-reply is due to the oscillating movement of the DNA basis that are permanently searching the answer in these matrixes.

5) The principle of the self-organization of the conscious radiations

The conscious radiations are solitonic radiations that transport and preserve a maximum quantity of pieces of information accumulated in the field/sphere. The Soliton is a toroidal energy wave that carries inside itself information (sonoluminescent holograms). Thus, the toroidal shape of the soliton

represents a circular structure, which is self-organizing and which sustains the (gray) matter while this moves in circles.

The tor shape is the base model of the energetic flux which is created by the life's pulsation. The informational base of the human bio-field/ biosphere is formed up from toroidal knots.

These toroidal fields/ spheres are constituting in systems capable of self-organization.

The energetic flux within these systems allows them to spontaneously self-organize themselves – creating and maintaining a structure in lack of poise conditions. The solitons generates the fractal in any system, so also in the psychical system.

5) The principle of the permanent energetic activation

The cosmos and the conscience are interconnected through a complex network of preserved and permanent information and transmitted through fields/spheres. Each cubic centimeter of space, even the perfect void one, contains an amazing quantity of electromagnetic energy. The term “point of zero” is used for describing this type of energy (because, at the value of absolute zero, the gas does not have volume).

The model of the zero energy is constructed in the terms of a infinite collection of oscillators, important aspect because it has been recently identified the black energy as being similar to the zero energy field/ sphere (B.G.Sidharth, 2003). This energy field maintains permanently through its vibrations the dynamic of the psychic system, supplying it the necessary “combustible/fuel”.

6) The principle of communication by vortex

The point zero energy could be described as an electrical flux orthogonally floating in our three-dimensional space. Owing to its vibrations, this flux, generates a component of the electric field in our space, giving birth to “small white holes” (flux goings) and “black mini-holes” (flux comings).

Sometimes, this point zero energy is described as vacuum polarization.

The micro-whirls are generated by the superposition of the waves (the principle of the stationary/constant energy), hence by the accumulation of the monochromatic waves, which form a constant/stationary field that produces, due to the resonance and coherence, the localization and concentration of the quantum, of the atoms, etc.

Within the whirl constituted by the DNA and RNA macro-molecule, the dynamic sonoluminescent holograms are coming in and out from the whirl, and inside of it can be selected, preferred certain substantial or radiant combinations, therefore the micro-whirl “preferentially” holds back (couples) certain molecules, atoms, solitons, etc which leads to a crystalline growth (duplication of DNA, RNA macro-molecules). By the help of these vortexes is achieved the fixation into the memory's structure of some scenarios, which cut up images from reality and that harmoniously use all the properties/ characteristics of the information: reflection, command, self-organization, etc.

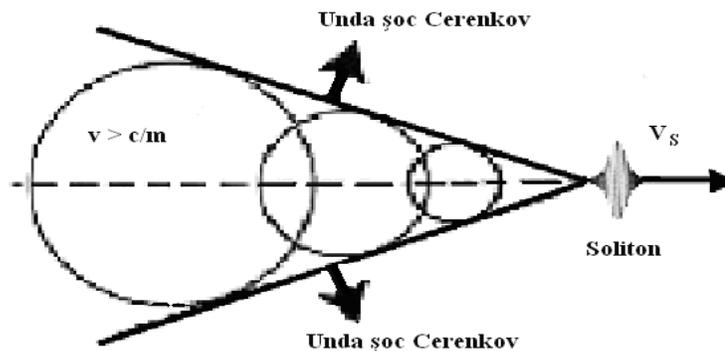
7) The principle of the radiant bio-feedback

The ultra-sonography researches have emphasized the propagation of a certain gender of excitations within the organism' fluids, similar to the X razes (J.Lu, J.F. Greenleaf, 1992). This type of excitations in coherent systems present the characteristics of the solitonic waves and bear the name of Schrödinger-Davidov solitons. These represent a corresponding source for propagating the signals with particular characteristics of complete reconstruction after collisions and they prove to be a coherent phase of the vibrations.

Once formed the optical or acoustic Davidov type solitons they move with a bigger speed than the speeds existing in that sphere/environment, thus achieving an emission of the photons or phonons in angle given the propagation direction, angle known under the name of *con Cerenkov*. Thus, the thought

(the sonoluminescent holograms wrapped up in the solitonic wave) is propagated / spread forward with a smaller speed than backward.

The radiant cone which opens after the radiation bearing the information constitutes true feed-back loops with continuous, self-maintained excitation and circulation. In the presented image, $v > c/m$, where v (the speed in the Cerenkov cone) is bigger than the propagation speed of the soliton (v_s), m stands for the environment refraction index and c represents the light' speed.



This typology of communication is interactive with retroversion in successive cycles, of feed-back type, thus being achieved the thought control on its propagation time because of the speed difference from the front and back of the radiation bearing the information. This manifestation of the solitons is known as the Frohlich-Cerenkov effect which had been experimentally demonstrated in the biological environment.

9) The psycho-thanatologic principle

A principle of the impulse unity manifests on the basis of the informational continuity law: not any reality is final, because it sends its essential information in the context of another reality, structurally and functionally different from the first one. According to the psycho-thanatologic studies the radiant conscience (sonoluminescent) it maintain itself as a result of the human substance division.

Owing to the unity through resonance of the sonoluminescent holograms solitonically protected, their movement process in this plasmatic environment takes place without any loss. At the movement time of the psychical sonoluminescent structures from the organism' environment in the plasmatic environment takes place a regrouping of them for the adaptation adapting to the new environment. On this occasion are formed up certain groups/formations named fractal clusters capable of self-organization and information processing.

These psychic clusters often appear in photos executed on different occasions in which there can be perceived certain luminescent scintillations. This cluster, while constituting itself through the quantum cohesion phenomenon may play the role of an integrator trap that preserved the information (sonoluminescent) complete generated by the activity of the human being along its life.

It must be mentioned that within the first 24 hours from death the organism losses approximately 10 liters of water (by dehydration). Thus the adequate environment for the mental phenomena is sensitively reduced. In fact, the liquid crystal "honeycomb" (memory) disappears / volatilizes in a trap. Because not any reality is final, as it transmits its essential information in the context of another reality.

Psycho-quantum operations

1) The resonance of the psychical pulsing

is an operation which finds its explanation in the EPR experiment realized in the 1980-s by the physician A. Aspect by which was validated in a rigorous manner the quantum theory, demonstrating at the same time the error made by Einstein and his two colleagues. It has been certified thus the Bell's inequality and the non-locality concept in the quantum mechanic which radically changed our views about reality.

It has been established on this occasion that two elementary atoms (photons) are getting informed permanently in a direct and instantaneous manner about the situation existing outside of them. In a similar manner, the solitons (which have corpuscular-ondulatory/wave character) inside of which are the sonoluminescent holograms are getting permanently informed directly and instantaneously among themselves by the help of the resonance of their pulsations.

Thus, "the components of the psychism work together and simultaneously ensuring in this manner the coherence of the human psychic system" (I. Manzat). The solitons are waves and following the modern physics arguments, it means that they are submitted to the resonance.

2) The space-temporal informational acquisition

The human psychic is such way constituted that possesses specialized structures for three-dimensionally receiving the surrounding reality. The infrared signals (described by Buhler) intercepted by the organism can be considered solitons that incorporate the sonoluminescent holograms. The pieces of information are received holographic at the peripheral receivers' level and they constitute themselves in different frequencies. The intensity of the stimuli' energy (light, sound, etc), influence the holograms durability / persistence, and the repetition of the same type of stimulus are consolidating and stabilizing them.

Among different received stimuli is realized a correspondence that favors the informational complementarity. The ultra-light/ weak bio-luminescence comes from the multitude of coherent phases of the solitons. The constant energy of the soliton in accordance with all the energetic waves produces concertinas that give birth to psychical complex structures. The solitons generate the fractal in any system, therefore also in the human psychic system.

3) The permanent radiant tension

The human organism is subject to radiations and realizes at an optimum energetic level which allows it the maintenance of certain pulsing owed to the interference between radiation and substance. It is thus known that the processes of the solar activity determines the production of an electromagnetic radiation and of a corpuscular one. The solar electromagnetic radiation comprises non-penetrating components (93%) formed of radiometric radiations, IR and bright, while the penetrating components (7%) are formed of the radiations UV, Roentgen, gamma and gravitational radiation. The permanent action of the constant electromagnetic fields upon the body led to the development and stability of some emission – receiving self systems of the radiations with high degree / level of perfection.

These processes of spatial reorientation induce the creating of new constant electromagnetic fields. By a cybernetic curl/loop, the new fields create a reverse afference pathway, influencing the orientation of the excited atoms. It is thus produced a self-excitation process of the constant electromagnetic fields, process self-coordinated by these fields themselves. These fields absorb the quantum energy, especially in radio and optical spectrum. The existence of such permanent radiant tension inside the human body makes possible the complex psychical activity owed to the production of conscientious pulsing.

4) Protected informational communication

Represents the operation by which the solitons protect the sonoluminescent holograms during their whole movement. Thus the information contained in these holograms can be preserved and can cope with the external perturbation factors. The soliton represents an intelligent “tyre” which covers and protects the ideas, the sounds or the images that move from one place to another within the soul. The transport of the signals in the living systems, in the nervous system and in the proteins and lipids chains from within the tissues is represented by the solitonic effect, which can consist in the light’ dissemination area as it results from the experiments of F.A. Popp. In the case of collisions among solitons there was appreciated that these are non-destructive thus protecting the information.

5) Non-specific communications (e.g. love, compassion, etc) represent communications in a space that distends/ expands. The holograms are much more dynamic with a big energetic tension symbolically represented by psycho-affective attraction, which have repercussions on behavior. The soul constantly attracts the vibrations that are in harmony with its own. When the subjects were living negative emotions (sorrow, fear, frustration or stress) the DNA was contracting, shortening and many of the Code elements were deactivated.

Applications

1) This theory supports the understanding of certain aspects of dynamic of the psychism and influences the methodology of the human psychic activity research. The discovery of the interaction between the “invisible” elements/ components of the personality and the acknowledgement of the light and sound impact over its development can lead to **the construction of a new psycho-physiological “architecture”**.

2) As well the theory can offer a physical basis to the **therapy through light and sound**.

The research of the light and sounds influence over the sonoluminescent holograms can perfect this therapy. Specialists in the psycho-immunology field have indicated that each organ of the immune system contains nervous fibers that ensure the biological bound between the nervous terminations and the immune system, thus postulating the interdependence relation between the thoughts, attitudes, perceptions and emotions of an individual/ a person and the state of its immune system. The music – the sounds can directly action over the mental and psychic general state so also implicitly over the immune system. The music represents a means of penetrating in the nucleus of each cell, of making it vibrate at unison with the harmony of the whole. Our body can be considered as an instrument of auto recovery/ auto healing, as essentially it tends to its optimum state. Each cell from our body is a resonator of sounds and has its own specific rhythm. Each organ has its own life cycles, its own pulse, its own musical note. The healthy cells become more vibrant and more radiant when exposed to the sounds of music.

3) This theory wants to draw at the same time the attention upon the importance of the water and of the diverse radiations over the human organism. In this direction a first application we can find it in the so-called “water cure/diet” described by Japanese Sickness Association. By daily water consumption with superior quality indexes (pH, rH, electrical conductivity, etc) are being reorganized the informational fields from the organism by maintaining the coherent environment adequate to the informational communications. On the other side it realizes the cooling of the cellular laser system. The rehabilitation of the quality (transparence) of the cellular liquid crystals perfect the light penetration, the faster transmission of the information.

4) Another application can be constituted by constructing an apparatus which to measure the solitonic pulsations from the whole body (not only EEG) ensuring thus a more detailed investigation of the psychical phenomenon.

5) On the other side the map-drawing of the micro-whirls from the body could help us trace out the places through which the energo-informational changes with the quantum vacuum are achieved. The man as “resonator” human, endowed with oscillatory circuits or frequencies parametrical generators, is capable to communicate with the hierarchy energo-informational instances. Thus it can be scientifically explained certain phenomena considered to be “paranormal”, as telepathy, telekinezia, radiestezia, etc.

6) The medicine can give a much more eloquent answer to some cardinal problems such as: cellular death, death and ageing process, processes where the light and the sound play an essential role through their effects. But maybe the most important application would be the parameterization of the solitonic fractal clusters from the surrounding space and the achievement of the communication with them. The realization of a study over the dying men in the intensive care at the moment of the exist by photographing them might clear up the movement of the bio-photons in these conditions as well as the constitution of these clusters.

Bibliography

1. **Albrecht-Buehler G.**, *The tracks of moving cells*, Scientific American 238-68-76, 1978.
2. **Albrecht-Buehler G.**, *The angular distribution of directional changes of guided 3T3 cells*, J. Cell Biol. 80: 53-60, 1979.
3. **Albrecht-Buehler G.**, *The orientation of centrioles in migrating 3T3 cell*. Exp. Cell Res. 120: 111-118, 1979.
4. **Albrecht-Buehler G.**, *Group locomotion of PtK1 cells*. Exp. Cell Res. 122: 402-407, 1979.
5. **Albrecht-Buehler G.**, *The autonomous movements of cytoplasmatic*, Proc. Natl. Acad. Sci. U.S.A. 77: 6639-6644, 1980.
6. **Albrecht-Buehler G.**, *Does the geometric design of centrioles imply their function?* *Cell Motility*1: 237-265, 1981.
7. **Albrecht-Buehler G.**, *Is Cytoplasm Intelligent too?* In *Muscle and Cell Motility VI* (ed.J.Shay) p. 1-21 (1985).
8. **Albrecht-Buehler G.**, *In defense of non-molecular'cell biology*, International Review of Cytology 120: 191-241 (1990).
9. **Albrecht-Buehler G.**, *Surface extensions of 3T3 cells towards distant infrared light sources*, Journal of Cell Biology, 114, 493-502, 1991.
10. **Burr H.S.**, *Blueprint For Immortality : The Electric Patterns of Life*, Neville, Spearman, Londra, 1972.
11. **Burr H.S.**, *Fields of Life*, New York, 1973.
12. **Chiao, R.Y.**, *Superluminal (but causal) propagation of wavepackets in transparent media with inverted atomic populations*, in *Phys. Rev. A* 48, B34, 1993.
13. **Childre D.L., McCraty R.**, *The Psychology of Gratitude*, New York: Oxford University Press, 2004: 230-255.
14. **Childre D.L.**, *Self Empowerment: The Heart Approach to Stress Management*, Boulder Creek, California: Planetary Publications, 1992.
15. **D’Espagnat B.**, *Quantum Logic and Nonseparability*, în J.Mehra (ed.) „The physicist Conception of Nature“, Dordrecht, Boston, D. Reidel, 1973.
16. **Detela A.**, *Magnetic knots*, Ed. Littera Picta, Ljubljana, 2002.
17. **Dmitriev, A. N.** *Natural Self-Luminous Formations*. Novosibirsk: Izd. In-ta matematiki, 1998. 191 pp.
18. **Dimitriev A.N.**- *Planetophysical state of the earth and life-* IICA Transaction, Volume 4, 1997.
19. **Dmitriev A.N., V.L.Dyatlov V.L.**, *A model of non-homogeneous physical vacuum and natural self-luminous formations*, IICA Transactions Novosibirsk, 1996, vol.3 - pp. 65-76// Novosibirsk, Inst. of Math. SB RAS, Preprint No16, 1995.
20. **Dmitriev A.N., Dyatlov V.L., Tetenov A.V.**, *Planetophysical Function of Vacuum Domains*, Geology institute UIGGM, Mathematics institute SB RAS, Gorno-Altai state University, 2001.
21. **Emoto M.**, *Hidden messages in water*, Beyond Words Publishing, Hardcover, 2004.
22. **Gariaev P.**, *Holographic Associative Memory of Biological Systems*, Proceedings SPIE, The International Society for Optical Engineering. Optical Memory and Neural Networks v.1621, pp.281-291, SUA, 1991.
23. **Gariaev P.**, *The DNA-wave Biocomputer: New Biology, Novel Tehnology?* , Conference IAN (U.K.), 2000.
24. **Grof S., Joan Halifax**, *The human encounter with death*. New York: E.P. Dutton, 1977.

25. **Grof S.**, *Beyond The Brain: Birth, Death And Transcendence in Psychotherapy*. Albany: State University of New York Press, 1985.
26. **Grof S.**, *The adventure of Self-discovery: dimensions of consciousness and new perspectives in psychotherapy and inner exploration*. Albany: State University of New York Press, 1988.
27. **Guilford J.P.**, *The Nature of Human Intelligence*, New York: McGraw-Hill, 1967.
28. **Guilford J.P. & Hoepfner R.**, *The Analysis of Intelligence*, New York: McGraw-Hill, 1971.
29. **Gurvich A.G.**, *The theory of a biological field*, Soveyetskaya Nauka, Moscova, 1944.
30. **Haken H.**, *Dynamics of Sinergetic Systems*, Springer Verlag, Berlin, 1980.
31. **Heisenberg W.**, *Les principes physiques de la théorie des quants*, Ed. Gauthier-Villars, Paris, 1932.
32. **Kelley S.O., Barton J.K.**, *Electron transfer between bases in double helical DNA*, Science 283 375, 1999.
33. **Lommel V.P.**, *Near-death experience in survivors of cardiac arrest: a prospective study in the Netherlands*, The Lancet, 2001.
34. **Lu J-y., Greenleaf J.F.** Experimental verification of nondiffracting X waves. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, 39(3):441-446, May 1992.
35. **Macovscki E.**, *Confirmarea teoriei biostructurale prin microscopia electronică de înaltă tensiune*, Ed. Științifică și Enciclopedică, București, 1981.
36. **Macovscki E.**, *Concepția biostructurală și teoriile moleculare ale materiei vii*, Ed. Științifică și Enciclopedică, București, 1984.
37. **Maksimenko V.V.**, *Localization of light in fractal system*, Conference on Biophotons, 1999.
38. **Marcer P., Schempp W.**, *Model of the Neuron working by Quantum Holography*, Informatica 21, 519-534, 1997.
39. **Mânzat I.**, *Psihologia sinergetică. În căutarea umanului pierdut*, Ed. Pro Humanitate, București, 1999.
40. **Parnia S., Waller D., Yeates R., Fenwick P.**, (2001) *A qualitative and quantitative study of the incidence, features and aetiology of near death experiences in cardiac arrest survivors*, medical journal „Resuscitation”.
41. **Patel A.**, *Quantum Algorithms and the Genetic Code*, *Proceedings of the Winter Institute of Quantum Theory and Quantum Optics*, 1-13 January, S.N. Bose National Centre for Basic Sciences, Calcutta, India, 2000.
42. **Penrose R.**, *Shadows of the Mind*, Oxford University Press, New York, 1994.
43. **Pitkänen M.**, *Manysheeted DNA*, Journal of Non-Locality and Remote Mental Interactions, Vol.I Nr. 3, 2004.
44. **Popp F.A.**, *Some features of biophotons and their interpretation in terms of coherent states. Biophotonics and Coherent Systems*. Proc.2nd A.Gurwitsch Conference and Additional Contributions.Moscow University Press, Ed. L.Belousov et al., 117-133, 2000.
45. **Popp F.A., Nagl W., Li K.H.**, *Biophoton emission: new evidence for coherence and DNA as source*, Cell Biophys, 1984.
46. **Pribram K.**, *Languages of the brain, experimental paradoxes and principles in neuropsychology*, Brooks/Cole Monterey, California, 1971.
47. **Pribram K.**, *The Holographic Hypothesis Of Memory Structure in Brain Function and Perception*, New Jersey, Prentice Hall, 1974.
48. **Schempp W.**, *Harmonic Analysis on the Heisenberg Group with Applications in Signal Theory*, Pitman Notes in Mathematics Series, 14, Longman Scientific and Technical, London, 1986.
49. **Sheldrake R.**, *A new science of life*, Blond & Briggs, Londra, 1981.
50. **Sidharth B.G.**, The cosmology of fluctuations, *Chaos, Solitons & Fractals* 16 (4) (2003) pp. 613-620.
51. **Smirnov B.M.**, *Physics of Ball Lightning*, Physics Reports, Vol. 244, 1993, p.150-236.
52. **Van Flandern T.**, *The Speed of Gravity– What the Experiments Say*, Journal: American Astronomical Society, 1998 .
53. **Walker W. D.** *Experimental Evidence of Near-field Superluminally Propagating Electromagnetic Fields*, Presented at Vigier III Symposium: Gravitation and Cosmology, Berkeley, California, USA, August 21-25, 2000.