

ELEMENTS OF BIOCOSMOLOGICAL ANTHROPOLOGY: INFORMATIONAL COMMUNICATION BY ARCHETYPAL FORMS

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ABSTRACT. *A new research direction in a certain field is determined by the appearance of new objectives for the field under study in which one finds new interdependencies, new types of relations or new forms of communication specific of the new objective. Constituting an Informational “Biocosmological Anthropology” would fulfill a natural aspiration for the modern epoch. Man-Cosmos interrelation within Anthropology is indirectly implicated in many sub-fields but not as a declared object as such, with its own methodological status. Biocosmology initiated and developed in the last few years under the auspices of “The Biocosmological Association – BCA”: <http://en.biocosmology.ru/the-biocosmological-association>, meets many essential problems of present Anthropology. Some of the concepts and the theoretical and experimental methodology which lie at the basis of Informational Anthropology (<http://www.corneliaguja.blogspot.com/>) may be a starting point for supporting and developing the conceptual foundation of Biocosmology [31, 37]. The experiments we made during our laboratory researches in the field of Individual’s Anthropology regarding electrographic diagnosis revealed the fact that, between the integrating and adaptive processes in the internal, organic medium and the external environment there are very interesting interactions that may be seen on a radiological negative. The electrographic diagnosis consists in interpreting the images existing on the radiological film by interposing the palms and plants in a high voltage electromagnetic field for a few second fractions. The photosensitive film records imprint the images of certain electric discharges, sparks, which contain the information inherent to space and communication phenomena (interaction) adjacent to the studied interfaces. After computerized analysis of thousands of such images, we reached the conclusion that the shapes of electrical discharge (streamers) may be classified in a few categories that help establish the diagnosis health/illness. The paper presents the results of these studies carried out during several decades. Interpretation of comparative studies has led to conclusions regarding man’s integration and adjustment owing to the presence of certain communication forms (archetypal codes) which we consider to be specifically informational. They are present in the interface of all systems and subsystems that are interacting and are integrated in the environment on the Earth and maybe in the farther Cosmos. These shapes prove to be well known in our planetary and cosmic existence – archetypal forms. Observation of the unity of forms (the presence of the same shape) led us to the development of a theory on the existence and coexistence of some fundamental forms. They may be found at various levels of organization in any living structure adapted to the fundamental context (fields) on the Earth: gravitational, electromagnetic and informational (informed field) – with the forms of interacting types, called by us informons.*

KEYWORDS: *human interface, solar system, gravitational adaptation, electromagnetic adaptation, informational adaptation, diagnosis health/illness, communication by forms*

“The primordial image (archetype) must, by all means be related to certain perceptible processes of the nature in permanent reproduction and never ending action; on the other hand, it is undoubtedly related to certain internal conditions of the spiritual life and of life in general...”

Carl Gustav Jung

1. INTRODUCTION

Key elements:

- **contexts, coexistence, communication, complexity, interface, cyclicity**
- **contexts:** terrestrial, solar, cosmic, human informational
- **adaptation:** gravitational, electromagnetically, informational
- **diagnosis of adaptation (at context):** terrestrial, solar, cosmic
- **informational, archetypal forms (shapes)** – informons

The knowledge of modern science has reached far in the profound terrestrial space (geophysical) and in the distant planetary (astronomical) and cosmic space [1]. Today we speak of a *space structure* that may be approached, studied and characterized from several points of view, such as:

1. **Cosmological**, called – ‘*cosmic cyclic context*’
2. **Astronomical**, called: ‘*solar cyclic context*’
3. **Geophysical**, which we will call ‘*terrestrial cyclic context*’

In **Anthropology**, for ‘*Life environment*’ the complex, generic and quite ambiguous term used is:

4. ‘*Bio-psycho-socio-cultural context*’.

These **four types of contexts** have diverse **influences** upon the existence of terrestrial life (Figure 1). These contexts have specific laws which determine specific causes and influences. **Could we assimilate them with the four Aristotle’s Causes?** [47].

The birth of a new research direction in a certain field is determined by the appearance of *new objectives* for the field under study in which one finds new interdependencies, *new types of relations or new forms of communication* specific of the new objective. Constituting an Informational “*Biocosmological Anthropology*” would fulfil a natural aspiration for the modern epoch. Man-Cosmos interrelation within General Anthropology is indirectly implicated in many sub-fields but not as a declared object as such, with its own methodological status [3, 4 and 33]. *Biocosmology* initiated and developed in the last few years under the auspices of “The Biocosmological Association – BCA” meets many essential problems of present Anthropology. Some of the concepts and the theoretical and experimental methodology which lie at the basis of *Informational Anthropology* may be a starting point for supporting and developing the conceptual foundation of *Biocosmology*. Taking into account, in the present general and medical Anthropology studies, the *complex structure of what we call today ‘Life environment on the Earth’*, may lead to new and adequate answers to the present

problems of human living, cohabitation, survival and adaptation(integration).

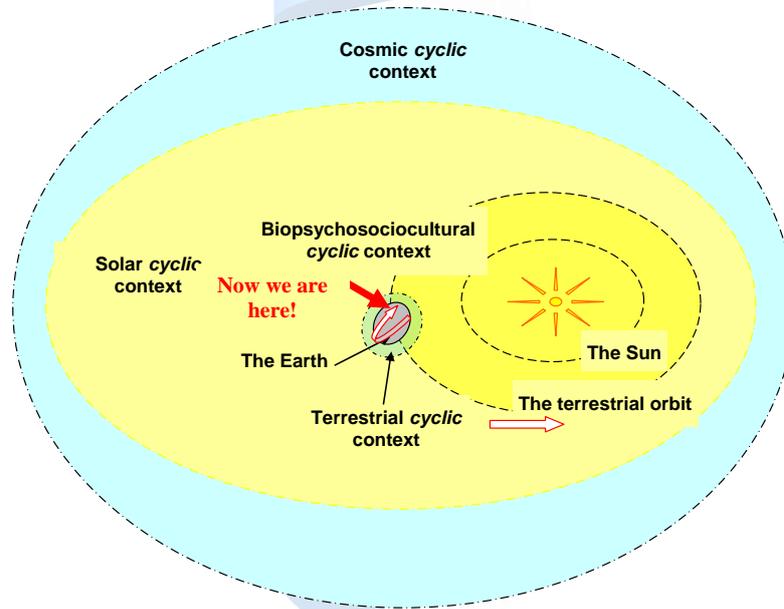
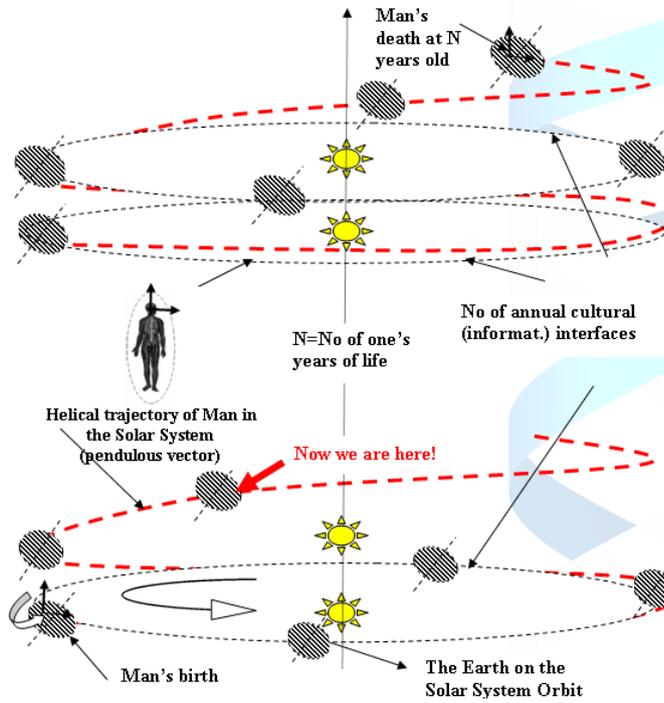


Figure 1. Model for Human cyclic cosmic context of the Earth – terrestrial life environment complexity.

The importance of the impact that these *coexisting contexts* have on the living apparition and adaptation, the human being included, has varied in time during the geological eras. It is still varying and can be better understood today with the help of *Complex Systems Science* [7, 27]. We consider that *inadequate adaptation, non-adaptation and lack of awareness* of these contexts, which are in permanent dynamics and interaction, are an important cause or even *the main source of psychosomatic affections* that jeopardize the evolution of our species and our present and future general existence. *The bio-psycho-socio-cultural context is artificially complexified* in the modern epoch owing to the continuously expanding technology.

In the present study I started from the following **hypothesis**: *our terrestrial (geophysical) environment has the characteristics of a fundamental informational archetypal interface* [27, 34 and 35]. In order to deal with the problems specific of Biocosmological Anthropology, we will use *the concept of informational interface together with the principles* lying at its basis, which we consider adequate to the study of complex, coexisting processes, as I stated in a series of previous works of mine [15, 18, 20 and 28]. Using these instruments, we will develop our human patterns in the Individual's Anthropology (Guja, 1989) and in Informational Anthropology (Guja, 2008) starting from *the informational anthropological model of cosmic cyclicality* (Figure 2a, 2b and Figure 3) [32].

Sun –Terra – Human interfaces (solar context)



Human informational Interface Model

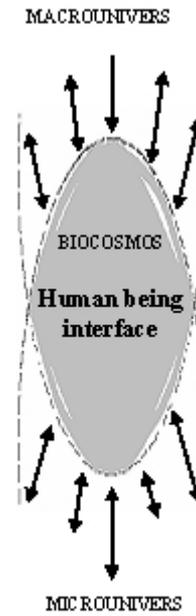


Figure 2a. Human orbital cosmic model emphasizing the *fundamental cultural cyclic behaviour* [31 and 32]:

- *Daily (with 2 phases: day/night)*
- *Weekly (with 7 phases: days)*
- *Monthly (with 12 phases: months)*
- *Season (4 phases)*
- *Annual*
- *Multi-annual events*

Figure 2b. Model of human being as interfaces between Micro and Macrocosm [17 and 27]

The Terrestrial cyclic context: gravitational and electromagnetic adaptation – *communication by branched shape (archetype)*.

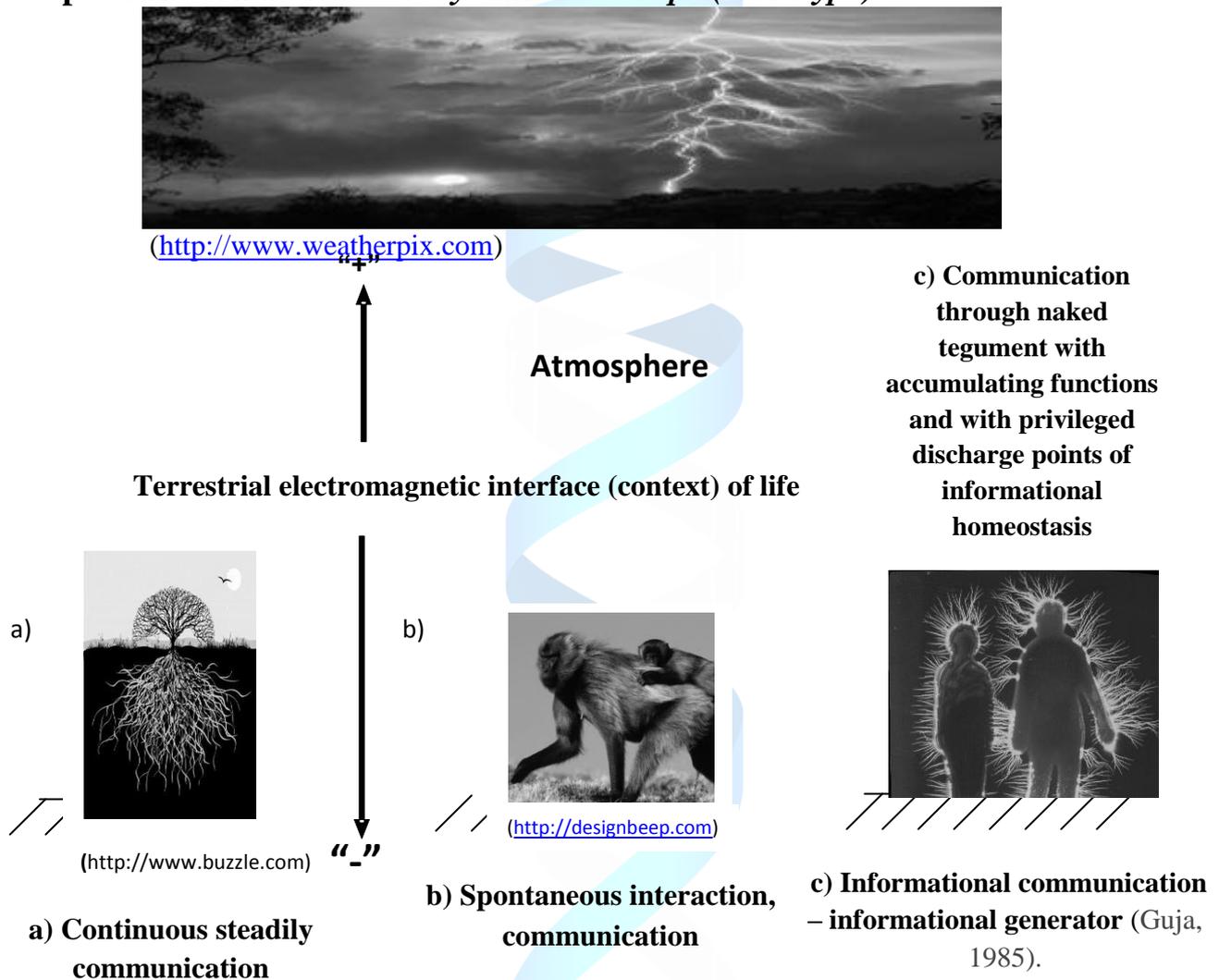


Figure 3. Various communication modalities – regulation – adaptation to the terrestrial electromagnetic environment (context of life).

2. MATERIALS, METHODS AND METHODOLOGY

The experiments we made during our laboratory researches in the field of Individual's Anthropology [21] regarding *electrographic diagnosis* [14 and 16] revealed that, between the integrating and adaptive processes in the internal, organic medium and the external environment there are very interesting interactions that may be seen on a radiological negative. *The electrographic diagnosis* consists in interpreting the images existing on the radiological film by interposing the palms and plants in a high voltage and unique impulse electromagnetic field for a few second fractions (Figure 4, 5, 6 and 7) [8, 9, 12 and 39]. The images contain imprints of certain electric discharges, sparks, named: *streamers* on the photosensitive film, which contain the information inherent to space and communication phenomena (interaction) adjacent to the studied surfaces (interfaces).

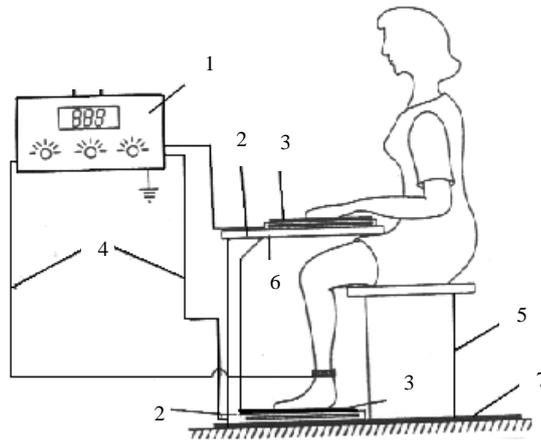


Figure 4 – Electrographic (EG) equipment * [21].

1. Impulse generator
2. Screens for: palms and plants
3. Radiological films
4. Electrical conductors
5. Insulating chair
6. Insulating table
7. Insulating carpet

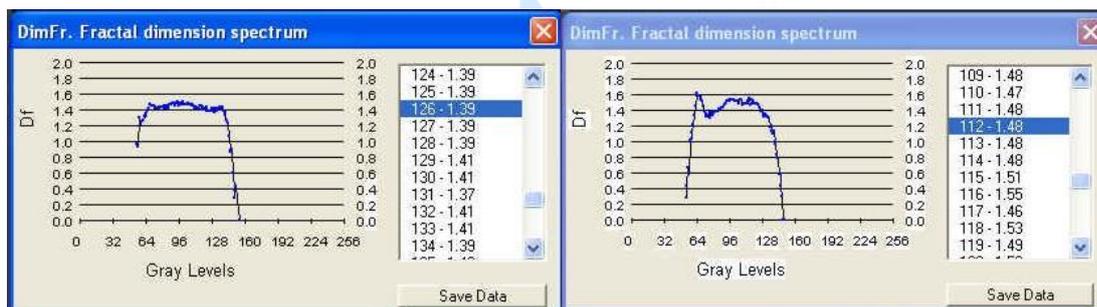
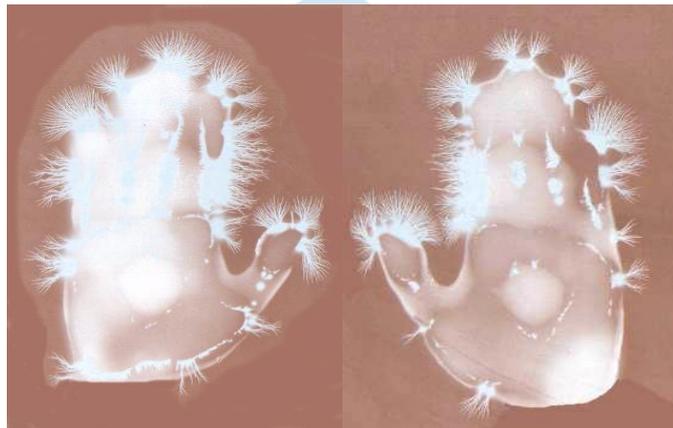


Figure 5. EG images processed by 'fractal dimension' method [25]. **
Electromagnetic adaptation diagnosis.

Notes:

* **The research electrographic technique** employed is original (F. I. Dumitrescu, 1973, C. Guja, 1977), adequate to the study of the electric fields of human bodies [11 and 16]. This enables testing of the human body electromagnetic fields submitted to a field *generated by a unique, monopolar, positive or negative* high-voltage (4 – 35kV) impulse and low intensity (50mA) signal (Kirlian method works with high frequencies!) [39 and 41] The signal has a triangular shape, with sudden ascending slope (15 – 30 microseconds) and slow descendent slope (100 – 500 microseconds). The analysed images were recorded on radiological films, placed on the glass screen of the electrograph, on which the subjects under study also placed their palms and plants (Figure 4). This makes it resemble the EEG, EKG and EMG investigation and opened the way of correlating *the shape of certain structures* of the organism with their function. It is a new modality of studying the states of the human organism in its permanent adaptation to the living environment and Biocosmos. The human palms which has a special anthropological relevance, are analysed as a complex adaptive biological and socio-cultural interface between the internal and external context of life [25 and 27]. The fractal phenomena recorded on the image are ubicuitary in nature and especially in the living world and their shapes may be described mathematically and used for decoding their informational laws. They may have very useful implications in the medical act (Figure 5).

** The fractal technique based on the calculation of the fractal dimension of these EG recordings, offers an appropriate, especially useful possibility for the automated processing of the electrographic images. *Fractals* are objects with irregular contours, self-similar (they get repeated). The concept of a fractal is most often associated with geometrical objects satisfying two criteria: *self-similarity* and *fractional dimensionality*. *Self-similarity means* that an object is composed of sub-units and sub-sub-units on multiple levels that (statistically) resemble the structure of the whole object [25, 42 and 48]. *The second criterion* for a fractal object is that it has a fractional dimension. This requirement distinguishes fractals from Euclidean objects, which have integer dimensions. In specialized literature there are many assessment technologies for the fractal dimensions, but the one which is more used and also offers numerical implementation facilities is the box-counting technique [49, 50].

The statistic study on various samples of healthy and sick subjects reveals the existence, in most cases, of a mixed type, placed in the central area of the matrix¹, characterized by the presence of all the four patterns that define the pure EG types (Figure 6) [23]. The matrix contains the result of the systematization of our experimental data and of the integration in a logical-mathematical and informational system of diagnosis; five categories of EG palms images are obvious [22]. Their analysis, based on thousands of experimented cases, demonstrated the existence of five

¹ In mathematics, a **matrix** is a rectangular array of numbers, symbols, or expressions, arranged in *rows* and *columns*. The individual items in a matrix are called its *elements* or *entries*. A convenient way of scribing a matrix in general is to designate each entry via its position in the array.

human bioelectrical types. These types have qualities and selective-adaptive potentialities that are different in the electromagnetic living environment, analogous to the biochemical – adaptive functions proper to the blood group ABO. Each individual finds its place (*element, entries*), at a certain moment, within a square of the matrix, *corresponding to the proportion of the four values of the patterns* (1, 2, 3 and 4) *present in your EG*, that vary according to the normal and pathological physiological status.

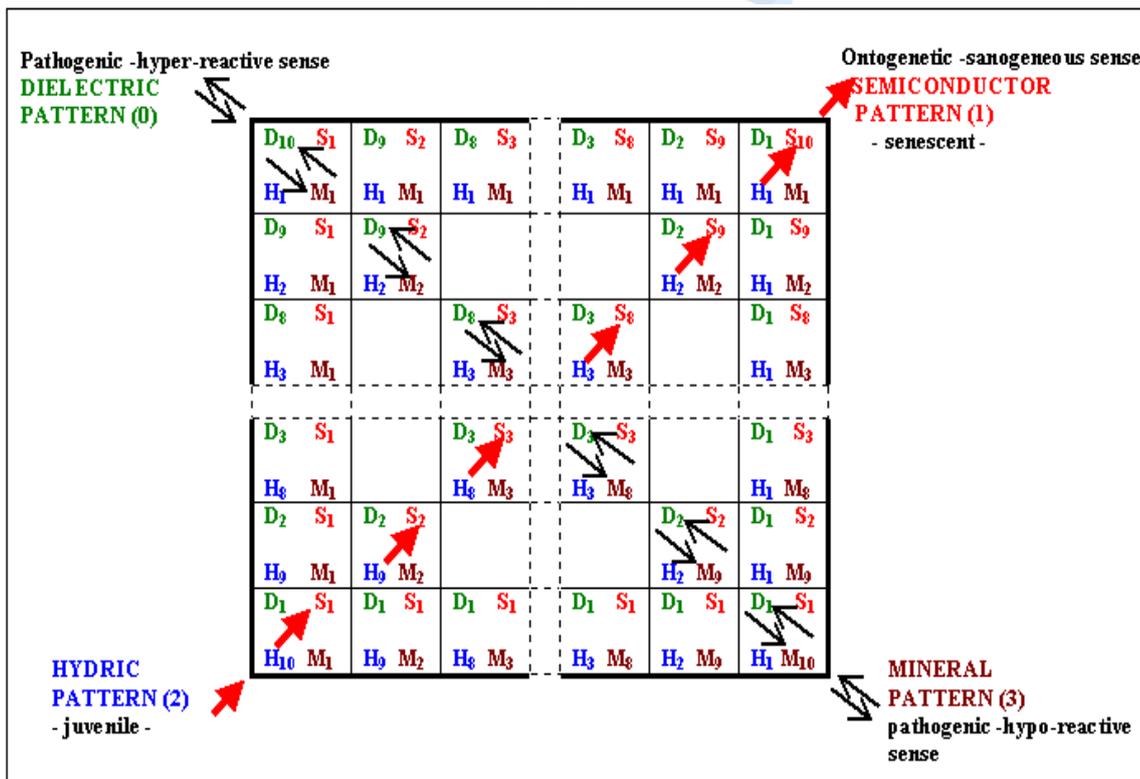


Figure 6. The matrix (mathematical matrix law) of the human bioelectrical types with the pattern: 1. (Hydric): 2. (Semi-conducting): 3. (Dielectric): 4. (Mineral): 5. (Mixed), [22]. Communication by natural branch forms – fractal network (formal cause?) – *Electromagnetic adaptation at the solar context (efficient cause?)*

3. RESULTS

After computerized analysis of thousands of such images (women and men (1 – 90 ages) (Figure 7a, 7b), we reached the conclusion that the *shapes of electrical discharge* may be classified in a few categories that help establish the *diagnosis health/illness*. Our papers [11, 13 ... and 32] present the results of these studies carried out during several decades (1975–2009). Interpretation of comparative studies has led to *conclusions regarding individual's integration and adjustment owing to the presence of certain communication forms (archetypal codes) (Figure 8, 9 and 10) which we consider to be specifically informational*. They are present in the interface of all systems and subsystems that are interacting and are integrated in the environment on the Earth and maybe in the farther Cosmos.

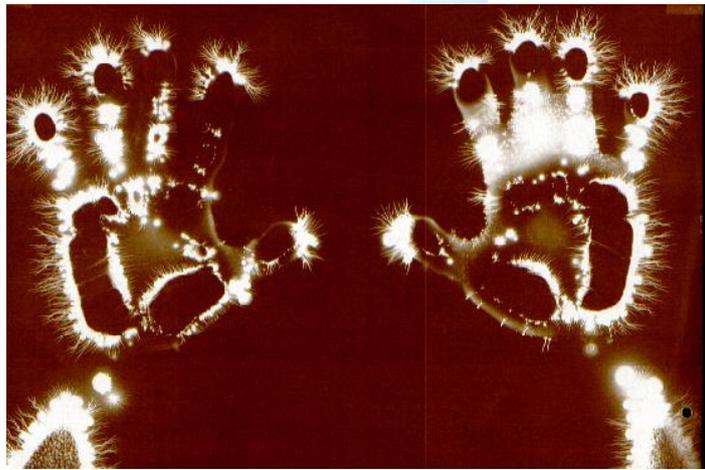
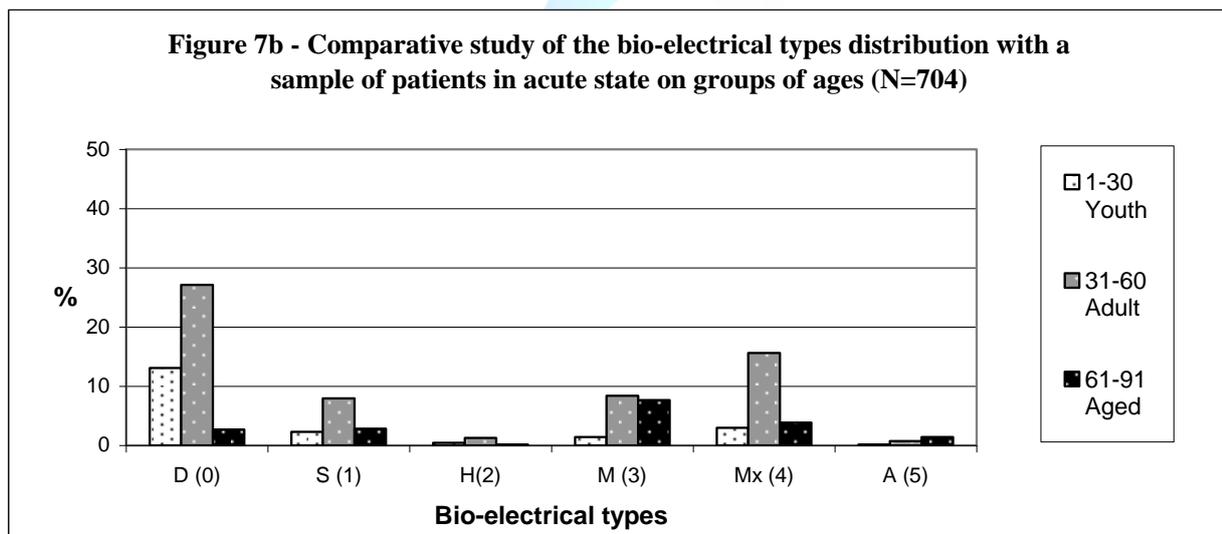


Figure 7a – Palms EG images. Communication by natural branch forms – fractal network (formal cause?) – *Electromagnetic adaptation at the solar context (efficient cause?)* [14, 22].



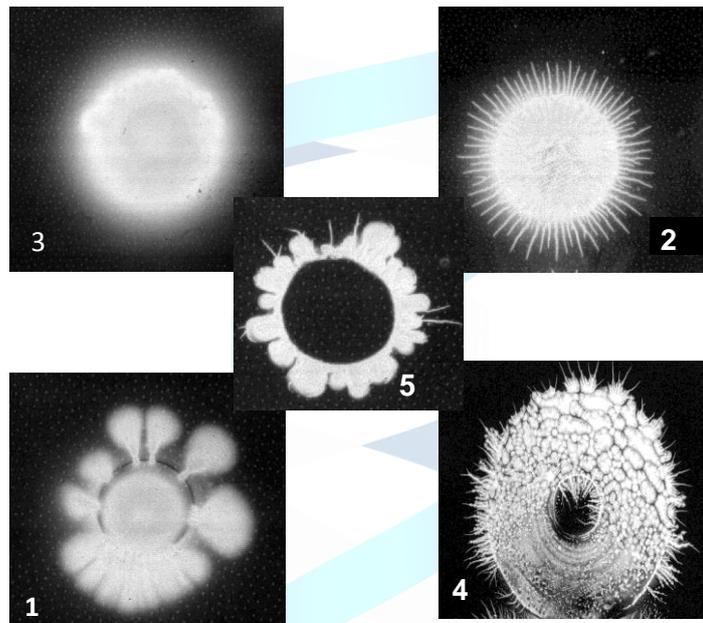


Figure 8. Comparative EG study on different materials from electrical point of view:

1. Drinking water (Hydric)
2. Water + salt (Semi-conducting)
3. Water + sugar (Dielectric)
4. Metal (Conductor)
5. Point of human finger (Mixed)



Figure 9. Complex archetypal forms. *a. (left), b. (right) – a. EG Image obtained by exploring the forehead zone where the existence of forehead chakras for informational communication through mental is presumed (C.Guja, 1989); b. Chakras by Ledbetter, 1927.*

<http://www.psiologia.com/images/>; according to Ledbetter, the chakras in the physical body have corresponding nerve plexuses, ganglia and glands. The seven principal chakras can be seen psychically as colourful, multi-petalled wheels or lotuses situated along the spinal cord.

The seven lower chakras, barely visible, exist below the spine connecting with the earth Chakra, Kundalini Chakra in the centre of the Earth) [15 and 34].

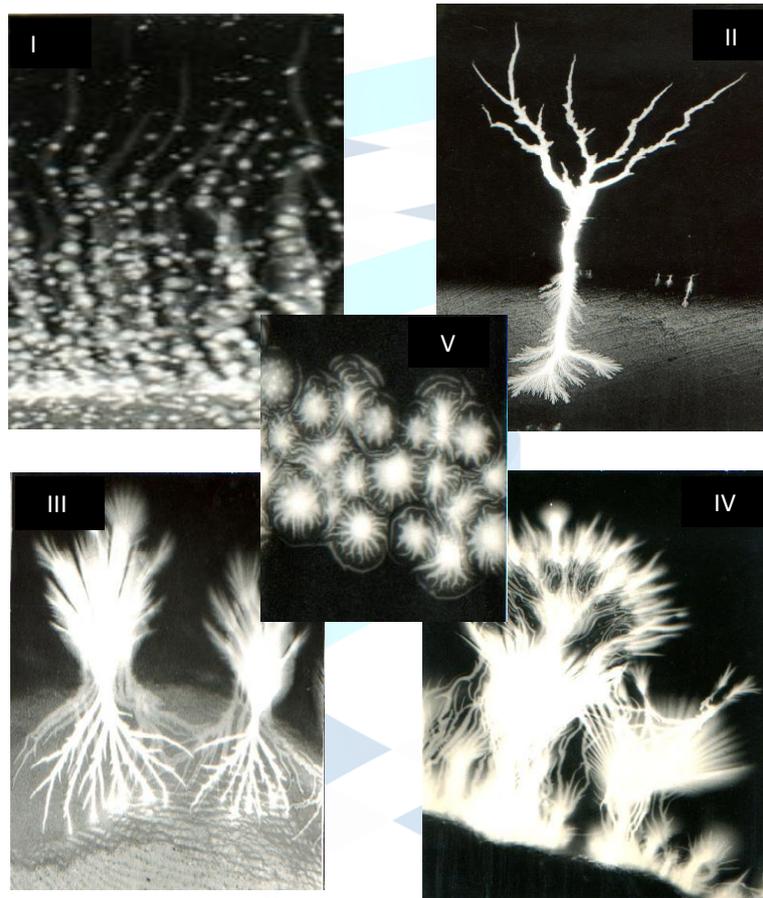


Figure 10. Types of electrographic forms of signals – detected on photo-sensitive film, at bodies interface with different archetypal shapes named by us ‘informons’ [22, 3]:

- I – Globular form
- II – Linear – ramified form
- III – Floral form
- IV – Spiral-circular form
- V – Complex –Mixed form

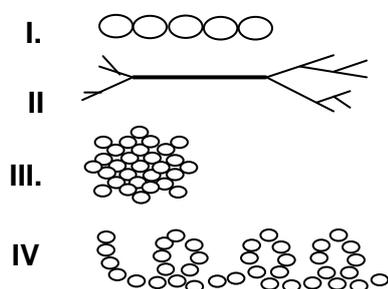


Figure 11. Symbols forms – of communication-adaptation:

- I. Globular**
- II. Ramification**
- III. Floral- radial**
- IV. Spiral (vortex)**

4. DISCUSSION

The EG image is an informational projection (imprint) of the bodies, taken in one's own radiating field, which we call *informational halo* [22, 28 and 29]. With EG we entered an unknown and very interesting *universe of information* present around us. We objectified it by means of EG images *at the level of body interface* and decoded by *studying the archetypal signals* [10, 35 and 36]. We became acquainted with the idea that there are certain archetypal shapes that are ordered and organized in great complexity and diversity of combinations [5, 6, 22 and 44]. A new vision is formed on the informational hypostasis, which contains characteristic aspects correlated with their material and energetic aspects [27]. The results of our researches provide a data base for informational studies by decoding the message contained in this universe and the use of archetypal shapes.

The experiments described in our works form the basis of a theoretical construction, which we called **Integronics** (C. Guja, 1977). Some of the ideas were presented in the volumes "The Haloes of the Bodies" (1993) and "The Halo of the Human Body" (2000) and "Informational Anthropology" (2008) referring to the implications of integronics in anthropology. We think that, after presenting the experimental results, it is worth outlining, as that the theoretical directions of our approach starting from the following landmarks of the integronics theory we are being developed [11 ...and 32]:

A – The part played by the archetypes found experimentally and their arrangement, organization, self-organization.

B – The laws of the archetypal informational universe (maybe of the Bio-cosmos).

C – Circulation of *natural* archetypal information (bio-cosmological communication).

Theoretical direction of approach:

A – Demonstration of the archetypal structuring of the radiating field around the bodies and of the complexity of the body interactions *has imposed the hypothesis of conferring the quality of archetypal information to a new dimension of existence, a complementary dimension, independent by space and/or time*. This enables us to report and describe the development of some informational phenomena *according to unique laws, regardless of (R) their spatial (S) and temporal (T) location – (RST), complementary to them (S, T)*, Figure 12.

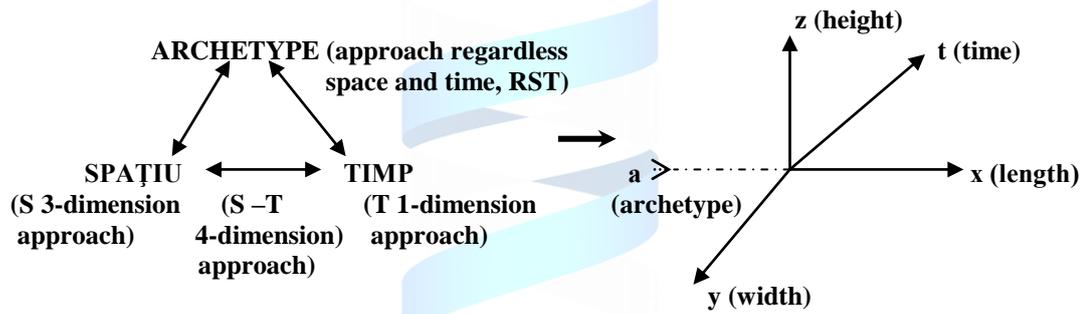


Figure 12. The main properties of this dimension, RST, are the informational potentiality of archetypal structuring and the capacity to become complex, given by the environment in which a lot of permanently interacting systems coexist (interfaces). The measuring units in this universe are the archetypal shapes named by us integrons that are free from their location in space and time (similarly electromagnetically and gravitational communication) [27].

They play the part of **the interfaces in a natural context of shapes** that belong to an encoded archetypal informational arrangement, observing the rules of an archetypal regulation, laws and signification (Fig. 13). Decodification of these 'languages' indicates the degree of arrangement, structuring and **complexity of the systems/interfaces** under study, describing self-organization informational processes [2, 5 and 6].

Understanding the archetypal structuring of the world, to which we associate the conclusions regarding the function and part played by archetypes in organizing REALITY (the physical reality which can be tested, the reality through symbolic language and symbolic consciousness too), offered by the researches on the symbols and shapes in general, opens **the way to explain the unity of the cosmos understood as communication of "everything with everything" by means of the informational halo** [10, 34, 35, 36 and 44].

Culture offers an example for the solution to communicate at a human overall level **by getting acquainted to and becoming aware of the archetypal shapes while keeping to a creative specific variability**, Figure13, [3, 4, 19 and 44].

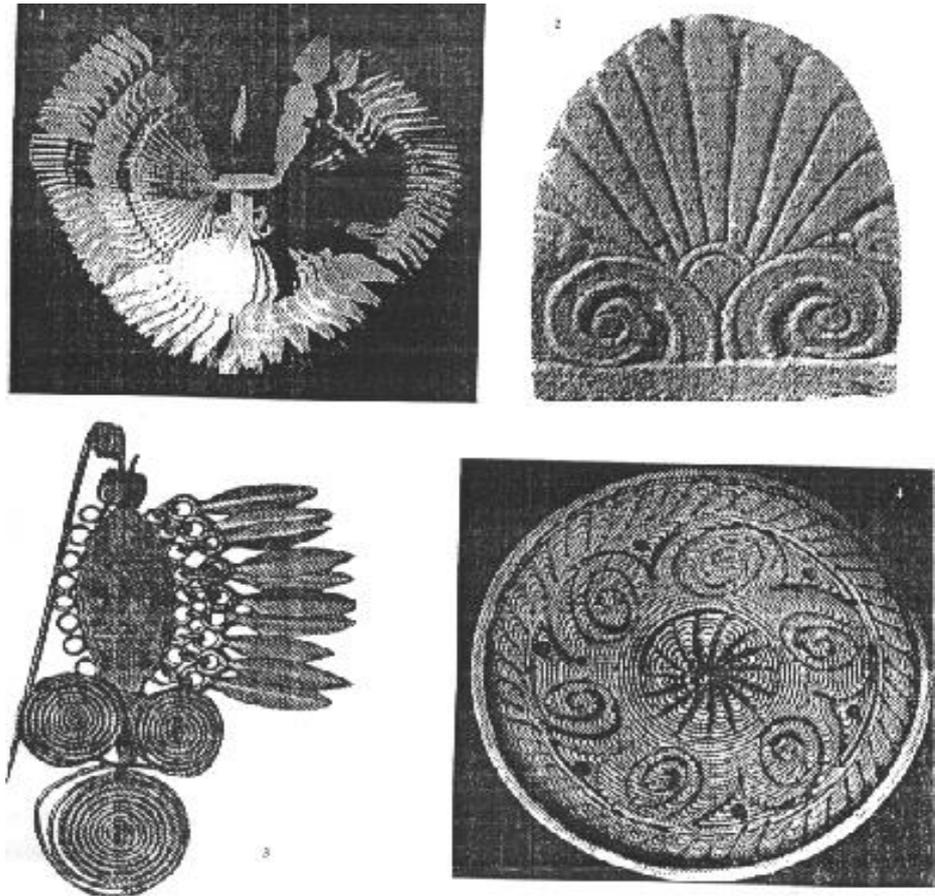


Figure 13. Archetypal shapes in various cultures – 1. “The Miraculous” (The Miraculous Bird, brighter than the stars) made of wood, Valea Danului, Arges, Wallachia, Romania; 2. Wreath of a stone star (about 2550 years old), Populonia, Italy; Tracian-Dacian bronze pin (about 3300 years old), Cincu-Suseni, Mures, Transylvania, Romania; 4. Contemporary Romanian folk ceramics, Obogea, Olt, Oltenia, Romania (The images are selected from the work “Unknown European Identities Italia – Romania”), Silvia Păun, Technical Printing House, Bucharest, 1998.). Compare aforementioned figures with figure 10: Types of electrographic forms of signals – detected on photo-sensitive film, at bodies interface with different archetypal shapes named by us ‘informons’ [22 and 45].

B – The laws of the phenomena discovered by science in its various fields may be grouped, according to the general degree of their application, in four different *levels of complexity* (see the figure 1). These have *simultaneously active causal factors* [17, 19, 28 27 and 47]. Our suggestions are:

Universal laws begot by *cosmic context*, describe cyclic-evolving processes and universal communication (prevailing *spiritual?*): *they correspond to ‘final and/or primary causality’*.

1. *Interface laws* begot by *system solar context* describe the complex interactions among various planets and *archetypal communication* (spiritual and prevailing *informational?*) [22 and 27]: *they correspond to ‘formal and/or potential causality’* (i.e. EG matrix law).

2. *Coexistence laws* begot by *eco-bio-psycho-socio-cultural context* describe common laws of the systems/interface and *interfaces communication* (spiritual, informational and prevailing *energetic?*) [15 and 27]: *they correspond to ‘efficient and/or active causality’*.

3. *Systemic laws* begot by *terrestrial context* describe the substratum material of the bodies and phenomena from the Universe and *complex communication* (prevailing *substantial, energetic, informational and spiritual?*): *they correspond to ‘material and/or matter causality’*, [27, 28 and 29].

The systemic coexistence and interface laws referring to the dynamics of matter (substantial, energetic fields and informational fields) differ according to their nature (e.g. the laws of various categories of living and non-living bodies). The existence of universal laws that are valid in the (prevailing?) cosmos, in the human world and in microcosms proves their applicability regardless the nature of the substantial and energetic substratum or their spatial or temporal dimensions. Such laws refer to the fundamental forces in nature: gravitational, electric, nuclear, spiritual etc. The question we asked is: WHAT LIES AT THE BASIS OF THIS UNIVERSALITY? A possible answer we have given is that the universal laws belong to the informational aspect of existence and are applied in *regardless of (R) their spatial (S) and temporal (T) location – (RST)*, RST universe. They refer to archetypal shapes out of which we mention: globular, ramified, globular-radiating, etc. The archetypal universe may be conceived mathematically as belonging simultaneously to the geometries of Euclid, Riemann and assimilated to some coexisting sub-universes [45 and 46].

C – REALITY is conceived today to be made up of SUBSTANCE and FIELD. Both forms of existence have been demonstrated to “circulate, transform and develop.” They have also been given the quality of information bearer. Undergoing encoding-decoding processes the information, in its turn, “passes” from one support to another [28 and 29]. These processes take place at the level of some structures *called interfaces (I)*. Many modalities of encoding in the surfaces existing in nature have been discovered (the genetic code, the codes of nervous signals, etc.) and codes for technological information have been made. In the radiating field of the bodies, we found a natural informational code describing an RST universe by archetypal shapes, at the level of body interface. Ubiquity and simultaneity of archetypal shapes and RST universal laws shows that archetypal informational dimension of existence appears as a coexistence

phenomenon, by means of similarity of archetypal shapes, communication being possible *through a resonance, consonance phenomenon of the archetypal structures* [7 and 43]. Comparatively with the circulation of information in a cybernetic system, in integronic natural archetypal communication, the system behaves like a complex interface in the *natural circuit of information*. We present below the diagram of natural archetypal (a.) informational (i.) communication, Figure 14:

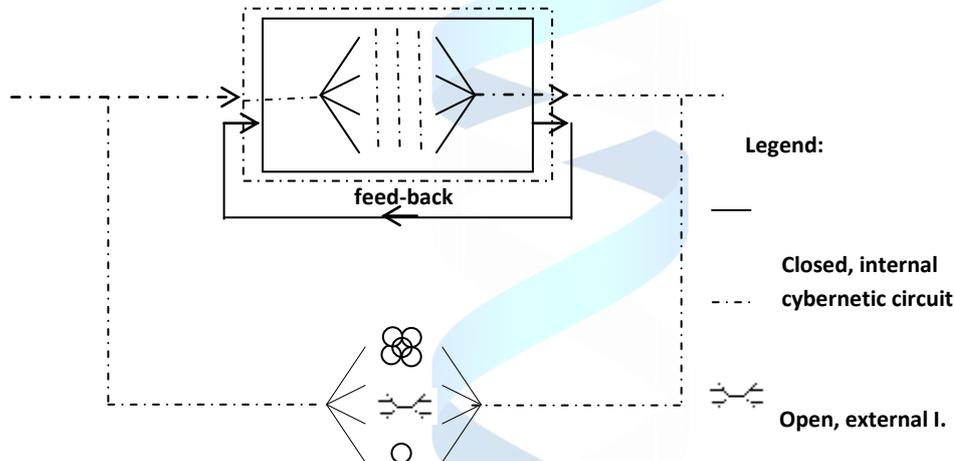


Figure 14. Circulation of archetypal information *regardless of (R) their spatial (S) and temporal (T) location – (RST) interfaces, expresses the adapting processes by means of an archetypal informational regulation different from the feed-back and feed-before controls. This may mean tuning-communication by resonance, consonance (St. Odobleja, 1939) and integration by coexistence (C. Guja, 1987) [40, 43].*

In our EG research, we discovered in the radiating fields of the living and non-living objects the presence of shapes of electric signals that suggest shapes that exist everywhere in nature, the most frequent being: **globes, ramifications, floral shapes**. They seem to represent an *archetypal natural code* that expresses the informational content and its degree of complexity, expressed by arrangement in layers. In between the layers there are communication levels acting as interfaces where encoding and decoding signal takes place. This layer organization of the haloes limited by interfaces is present everywhere, from the energy quantum “haloes” to the physical body haloes. The structure on successive energetic levels of the atoms reflects the presence of the informational halo of the atoms, correlated with the evolutionary complexity of the atoms in the universe (one should have in view the formation of atoms and arrangement of elements according to their getting more complicated in the periodical system). The periodical table actually also expresses the characteristics of the atomic haloes. The haloes of the quanta, atoms, cells, and bodies are an evolutionary succession where structure similarity is due to the simple and complex archetypal shapes, by including the simple shapes. This can explain the presence of the same fundamental laws at micro and macrocosmic level, represented by the archetypal shapes. In this vision integration through archetypal communication is made by archetypal resonance, which supposes simultaneity, coexistence, and analogy in a natural code.

5. CONCLUSION

The comparative studies of symbolism in the history of universal culture have pointed out *ubiquity of some elements common to various civilizations*. Our researches signal the existence of archetypal informational codes and interfaces present in the whole nature, taken over by the human culture at the intuitive and empirical beginning [3, 4 and 44]. ***In order to grasp the genesis and evolution of life processes, it is important to decode both the existence of archetypal forms and their ‘coding’ and significances*** [24, 34, 35 and 44]. The universality of archetypal process and manifestation at various levels in the haloes of physical organisms, in the forms of organization of matter in nature, in the forms of cultural expression as well as in various civilizations that make up human culture in time may indicate that archetypal forms may be governed by certain laws that are present wherever the archetypal forms are present and express themselves (act) through these forms. Resemblance, similitude, analogy and complexification according to the fractal principle are characteristics of the archetypal forms that reach the climax in human ***knowledge with the symbol and metaphor, so that language, as form of human communication, (verbal, written or artistic) seems to be a metaphor expressing reality.***

Our EG experimental and theoretical researches are concerned with the problem of informational processes, its circulation and regulation between various systems of nature, *under natural, free conditions*, focusing on the *natural significance and role* of these processes and on *the study of information transmitting codes* in nature. ***We have found a universe with archetypal dimensions, regardless space and time – RST.*** This universe is one of qualities, forms, structures, and possible complexities. Selection, adaptation, and integration are qualitative phenomena also belonging to the archetypal dimension. In other words, our physical ***Universe – Biocosmos***, with the four well-known dimensions, through RST dimension reflects another aspect, informational-archetypal of complementarity corpuscle-wave (describing complementarity substance-field). We open the perspective to decode a universal code of a ***“cosmic genetics”***, the information being written in a ‘language’ that expresses the ***succession of evolutive states of the natural phenomena*** (Khroutski, 2003) [26, 32, 37 and 38].

The presence of the same shape led us to the development of a theory on *the existence and coexistence of some fundamental forms: Interfaces Theory Vision*. They may be found at various levels of organization in any living structure adapted to the fundamental context (fields) on the Earth: gravitational, electromagnetic and ***informational – informed field*** – with the *forms of interacting types, called by us informons*. Branched structures in a communication model between the natural phenomena are present in the ground, at the Earth’s surface and in the atmosphere, and connected among them by diverse and gradually subtle forms [15, 28, 31 and 32].

References

1. "The Encyclopedia of Earth neutrality policy", (2012), Cutler J. Cleveland, Editor (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment).
2. Bejan, A. (2000). *Shape and Structure, from Engineering to Nature*, Cambridge: Cambridge University Press.
3. Birx, H. H. James, Ed., (2006), *Encyclopaedia of Anthropology*, by Sage Publications, Inc. Printing in China.
4. Bonvillain, Nancy, (2006), *Cultural Anthropology*, Pearson Education, Inc., New Jersey, USA.
5. Chapouthier, G., (2001). *L'homme, ce singe en mosaïque*. Paris, Odile Jacob.
6. Chapouthier, G.,(2009), *Mosaic structures – a working hypothesis for the complexity of living organisms*, E-LOGOS ELECTRONIC JOURNAL FOR PHILOSOPHY ISSN 1211-0442 17/, University of Economics Prague.
7. Drăgănescu, (1990), M., *Informația materiei*, Editura Academiei Române, București.
8. Dumitrescu, I.F. (1977), *Electronography*, Ed. Stiintifica & Enciclop., Bucharest,
9. Dumitrescu, I.F., Kenyon, J., (1983), *Electrographic Imaging in medicine & Biology*, Neville Spearman, Suffolk, England, ISBN 0-85435-045.
10. Evseev, I., (1999), *Encyclopedia of the Cultural Signs and Symbols*, Amarcord Printing House, Timisoara.
11. Guja, Cornelia, (1980), *Proprietes bio-electriques de l'enveloppe cutanee humaine rezultats de quelques recherches experimentales*, Bull. et Mem. de la Soc. d' Anthrop. de Paris, serie XIII, no. 3, p. 205–220.
12. Guja, Cornelia, (1980), *Results of Some Electronographic Investigations in Anthropology*, XXVIII International Congress of Physiological Sciences, Bubapest, Abstract, no. 1653.
13. Guja, Cornelia, (1985), *Criteres anthropologiques pour la constitution d'une typologie humaine naturelle*, Bull. et Mem. de la Soc. d' Anthrop. de Paris, serie XIV, no. 2–3, p. 187–199.
14. Guja, Cornelia, Petcu R., Popescu Ondina, 1994, *Computer – Aided Study of the Electronographic (EnG) Imprint* (part one), Ann. Roum. Anthropol., 31, Bucharest, p. 67–74.
15. Guja, Cornelia, (1995), *Halo of the Bodies – Interfaces with the Cosmos*, (1993), Ed. Enciclopedică, Bucuresti. P.190, Romanian Academy Price.
16. Guja, Cornelia, Roșianu Adriana, (1996), *Electronographic (EnG) Diagnosis. Medical – Anthropological Aspects*, Acta Neurologica Moldavica, vol. 4, no. 1(5), p. 40–46.
17. Guja, Cornelia și colab., (1997), *The Human Being – a Biointerface between Microcosm and Macrocosm*, Nr. 1, Edit. Prospect Anthropos, Bucharest.
18. Guja, Cornelia, Diana Daroczi, Ileana Predeanu, (1997), *Longitudinal Electrographic Study in an Individual*, Annuaire Roumain D Anthropologie, 34, Bucharest, p. 101–106.

19. Guja, Cornelia, Ioan Oprescu, Elena Iliescu, Gabriela Iliescu, Diana Daroczi, Marioara Godeanu, (1997), *The Human Being – a Biointerface of Archetypal Communication*, nr.2, Edit. Prospect-Anthropos, București.
20. Guja, Cornelia, Diana Daroczi, Cristina Boanță, (1998) *Methodology for Longitudinal Study of Human Being*, Annuaire Roumain D` Anthropologie, 35, Bucharest.
21. Guja, Cornelia, (2000), *Aura corpului uman. Introducere in Antropologia Individului (Halo of the Human Body. Introduction in Individual's Anthropology)*, ISBN: 973-683-394-1, Edit. POLIROM, Iasi, , P. 256
22. Guja, Cornelia, Elena Iliescu, (2001), *Informational Complexity and Diversity in Electrographic Images*, Charne-Scott Printing House, Bucharest.
23. Guja Cornelia, Roșianu Adriana, Nica Adriana i.e., (2002), *Bioelectrical Types with Patients in Acute States (II)*, Annuaire Roumain D Anthropologie, 39, P. Bucharest.
24. Guja Cornelia, (2006-2007), *Race Concept on Interface Theory. Homo Geographicus*, Ann. Roum. Anthropol. 43–44, pp.249–260, Bucharest.
25. Guja Cornelia, Voinea V, Baciu A, Ciuhuța M, Crișan DA, (2008), *Fractal analysis of palms electrographic images. Medical anthropological perspectives*. Journal of medicine and life, Journal of Medicine and Life, Vol.1, No. 4, October-December: www.medandlife.ro/medandlife194.htmlCopia cache.
26. Guja, Cornelia, (2008), *Biocosmology and Informational Anthropology: Some Common Aspects*, E – L O G O S ELECTRONIC JOURNAL FOR PHILOSOPHY/2008, ISSN 1211-0442:
<http://nb.vse.cz/kfil/elogos/biocosmology/guja08.pdf> .
27. Guja, Cornelia, Baciu, Adina, (2008), *General Anthropology Guide. Interfaces Theory Vision*, Edit. Universitară , “Carol Davila”, Bucharest, p. 164.
28. Guja, Cornelia, *Information Anthropology* (in Romanian), (2008), Editura Academiei Romane, P.450, Scientists Academy Price.
29. Guja, Cornelia, 2009, *Introduction to Informational Anthropology*, Edit.Universitara Carol Davila, Bucuresti, P.104.
30. Guja, Cornelia, (2010), *The Individual's Anthropology and Biocosmology. Prerequisites of a Common Informational Methodology*, Vol. Abstract Book, The First International Seminar on Biocosmology, July 22–25, Novgorod State University after Yaroslav-the-Wise, Russia, Pag.78–79.
31. Guja, Cornelia, (2011), *'The Informational Anthropological Biocosmological Cultural Model,' Biocosmology – neo-Aristotelism*. Vol.1, No.4 (Autumn 2011), pp.407–426: <http://en.biocosmology.ru/electronic-journal-biocosmology---neo-aristotelism/issues-of-the-journal/volume-1-number-4-autumn-2011>.
32. Guja, Cornelia, (2012), *Model of cosmic cyclicity of terrestrial human activities*, Annals A.R.S. – Series on Biological Sciences, Vol. 1, No.1, 1–12, p.132–145.
33. Haviland, A.William, (1990), *Cultural Anthrpology*, sixth edition, Harcourt Brace Jovanovich College Publishers.
34. Iliescu, Elena, (2002), *Introducere în gândirea arhetipală* (Introduction in archetypal thinking), Fundația Mirabilis, București.

35. Jung, C.G., (1969), *Man and His Symbols*, Doubleday&Company, Inc. Garden City, New York.
36. Jung, C.G., (1984), *Menschenbild und Gottesbild*, Walter Verlag AG Solothurn/Schweiz.
37. Khroutski, S. Konstantin, (2006), *BioCosmology – Universal Science of the Individual Health of a Person*. [Novgorod Velikiy, Novgorod University Press].
38. Khroutski, S. Konstantin, (2011), 'Triadic Biocosmological approach in modern science and philosophy,' *Biocosmology – neo-Aristotelism*. Vol. 1, No. 2/3 (Spring/ Summer 2012), pp. 144–146. URL: <http://en.biocosmology.ru/electronic-journal-biocosmology---neo-aristotelism>
39. Korotkov, K.G., (1998), *Light after Life*, Backbone Publishing House. NY.
40. Lupasco, (1970), St., *Les trois matières*, (1960), Julliard, Paris, réédit.10/18.
41. Mandel, P., (1986). *Energy Emission Analysis; New Application of Kirlian photography for Holistic Medicine*. Synthesis Publishing Co., Germany.
42. Mandelbrot B. Benoît, (1983), *The fractal geometry of nature*. Macmillan. ISBN 978-0-7167-1186-5.
43. Odobleja, Stefan. (1938-1939). *Psychologie consonantiste*. Librairie Maloine, Paris.
44. Păun, Silvia, (1998), *Unknown European Identities Italia – Romania*, Technical Printing House, Bucharest.
45. Penrose, P. (1997), *The Large, the Small and the Human Mind*, Cambridge University Press
46. Smolin, L. (2000), *Three Roads to Quantum Gravity*, Weidenfeld & Nicholson.
47. *Stanford Encyclopedia of Philosophy*, article "Psychology", <http://plato.stanford.edu/entries/aristotle-psychology/>
48. Voinea, V. V., Crisan, D.A., Popescu Mina, C. (2007), *Fractal Analysis of Electronographic Images*, CSCS 16, Proceedings, Vol. 3, IAFA, Bucharest, pp.68–73.
49. Voinea, V. V., (PhD these), (2011), *Contributions to the diagnosis of biological systems by electrographic methods*, (in Romanian: Contributii la diagnosticarea sistemelor biologice prin metode electrografice,) Ph.D. student, Faculty of Automatic Control and Computers, PUB, Bucharest, Romania.
50. Voinea, V., Popescu, D. (2011) *Fractal Analysis in Electrography for Biological Systems Diagnosing*, U.P.B. Sci. Bull., Series c, vol. 73, Iss. 2, ISBN 1454-234x.