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QUANTUM-HOLISTIC FRAMEWORK OF TRANSPERSONAL PSYCHOSOMATICS: COMPLETE HEALING & SPIRITUAL INTEGRATION

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Abstract. Subject of this paper is *complete healing & spiritual integration* within our extended *quantum-holographic / quantum-gravitational* (QHGG) framework of holistic psychosomatics (*integrative medicine & transpersonal psychology*). Such framework could have significant implications for understanding quantum-holographic control of *morphogenesis*, including *epigenetic* bio-resonance application of healing boundary conditions within acupuncture-based & consciousness-based psychosomatics. Within context of *transpersonal psychology*, essentially all *psychosomatic problems* could have their initial roots in *energy-information attractor blockages at different levels of consciousness* (caused by various trans-generational-predestined stressors), and *complete healing & spiritual integration* would involve their *integration* with healthy core of personality, through unconditional *spiritually-forgiving acceptance of oneself & one's environment*. All this is in line with revived scientific interest in *consciousness studies* during past decades (anticipating upcoming *grand synthesis* of two modes of knowledge, *rational-scientific & creative-religious*, within framework of our extended QHGG paradigm) – with *essential role of each individual* due to influence & concern for *unloading of collective mental environment*.

Keywords: *quantum-holistic psychosomatics, acupuncture, consciousness, vital energy, integrative medicine, transpersonal psychology.*

The paper is organized as follows:

Introductory section presents **motivation** for **extended QHQG framework**.

Second section outlines **acupuncture-based & consciousness-based extended QHQG psychosomatics**, with **Subsection** on **transpersonal exotic aspect of vital energy** & **Subsection** on **two cognitive modes of consciousness**.

Third section discusses consequences on **transpersonal & trans-generational healing**.

Concluding section anticipates wider social **behavioral & educational significances**.

INTRODUCTION

Stress-induced psychosomatic diseases & holistic methods – for healing persons as whole, suggesting their macroscopic quantum origin.

Acupuncture-based & consciousness-based quantum-holistic methods – resulted in development of Integrative medicine (www.imconsortium.org) & Transpersonal psychology (www.atpweb.org).

Fundamental research of consciousness [1] – anticipates great synthesis of two modes of cognition, indirect-rational & direct-creative, within our extended QHQQ paradigm [2-4].

Accordingly every individual is irreplaceable – due to influence & care for collective mental environment.

Tragic mis-understanding of spiritually immature epoch of civilization – as our all partial rationalizations are still approximations of fundamental-holistic reality.

ACUPUNCTURE-BASED & CONSCIOUSNESS-BASED PSYCHOSOMATICS

OUTLINE:

Prevailing scientific paradigm – CNS information processing via hierarchically organized & connected *neural networks* (NNs) [5-9]; and *cytoskeletal information processing* at interface between *neural & quantum* levels [10] – the last having *Hopfield-like quantum holographic (HQH)* structure within *Feynman's propagator version of quantum mechanics*, as basics of ***quantum neural holography*** [11].

Additional fundamental question – how *classical parallel processing* emerges from *quantum parallel processing*, as general problem of connection between quantum & classical levels within ***quantum theory of decoherence*** [12].

Fundamental quantum-holistic nature of consciousness – *in-deterministic properties of free will* [13-15], *body permeation with consciousness* [16], *altered states of consciousness* [17,18], and *transitional states of consciousness* [19].

Manifested quantum-holistic nature of acupuncture system – *quantum-coherent characteristics of microwave (MW) resonance therapy* [20,21] (high-resonance MW sensory response of disordered organism, biologically efficient non-thermal MW radiation of extremely low intensity & energy, and negligible MW energy losses along acupuncture meridians) – in contrast to brain [22].

Psychosomatic states as memory attractors of HQHNNs of acupuncture system / consciousness – with healthy state as simplest information state of lowest quantum entropy (of single memory attractor) & disordered states of higher quantum entropy (of additional memory attractors) [23,24] (*cf. Fig. 1*).

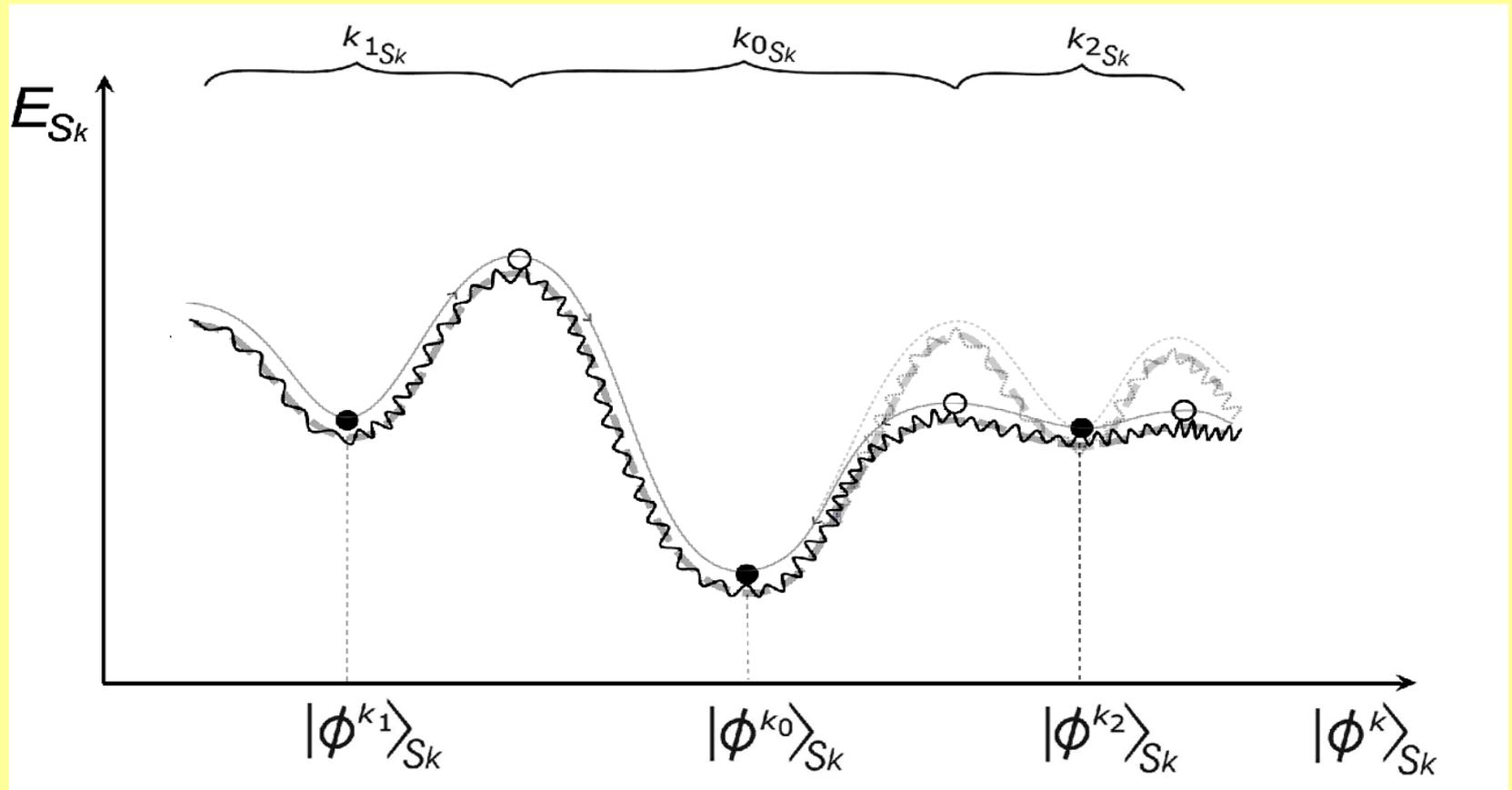


Figure 1 Schematic presentation of adaptation of memory attractors in energy-configuration hypersurface of *quantum-holographic memory / propagator* of various hierarchical levels of biological *macroscopic open quantum system(s)* S_k (*local cell's biomolecular protein / target, local acupuncture system / consciousness, or nonlocal out-of-body consciousness / collective consciousness*). This implies *necessity* of quantum-informational successive *bio-resonance balancing* of all unwilling side memory attractors (like ϕ^{k_2} in figure), which would otherwise cause development of *psychosomatic diseases* on individual level & *interpersonal fights* in this & further generations on collective level [23,24].

OUTLINE (continued):

Goals of acupuncture-based & consciousness-based techniques – *bioresonance excitations* of palpatory-painful / psychologically-traumatic memory attractors of open acupuncture system / consciousness – to allow initial memory attractors of disordered states to be resonantly excited (as in artificial neural networks [25]), becoming shallower and wider (and finally removed) at expense of deepening (energy-dominant) memory attractor of healthy state (acupuncture-palpably painless / psychologically non-traumatic).

Organism may be considered as quantum-information Haken's hierarchy – of multilevel synergistic NN of HQHNNs layers (representing conjugated biochemical enzymatic activities [26]), *bioresonantly coupled* via memory attractors (within occupational bases of quantum-conformational states of corresponding enzymes) [27] – which may be also explanation for sensitivity of organism to bioresonance diagnostics & therapies [28,29], as well as for some intriguing field-mediated self-organizing genetic experiments [30,31].

Application of holistic psychosomatic therapies reduces quantum entropy (degradation) i.e. increases quantum information (organization) – of open macroscopic psychosomatic system, and then this state would be *quantum-holographic projected* to lower cellular level, thus correcting *genome expression* in morphogenesis, and might represent basics of modern *quantum-holistic local psychosomatics* [32,33] – which may be related to similar ideas of *epigenetics* applied to biological systems [34] and *emergent control* of higher hierarchical levels over lower ones in *cognitive sciences* [35] – pointing to important role of *acupuncture system / consciousness* in these processes.

OUTLINE (continued):

All local holistic acupuncture-based & consciousness-based techniques – could be treated as *quantum-information therapies*, by imposing *new healing boundary conditions within energy-state space of quantum field of acupuncture system / consciousness*.

Our macroscopic quantum-holographic informational framework – is also supported by Susskind's fundamental ***holographic principle*** [36] according to which any (3D) physical system is isomorphic to holographic information embedded on its (2D) surface, which implies that full quantum-informational content of our 3D body could be quantum-holographically contained in our 2D surface layer – bearing resemblance to traditional psychosomatic concepts of energy-informational acupuncture system / (individual) consciousness [37].

That acupuncture system is related to consciousness & psychosomatics – is also confirmed by *meridian (psycho / energy) therapies* (with rapid removal of traumas, phobias, allergies, post-traumatic stress and other psychosomatic disorders [38,39]) – where simultaneous effects of *visualization & tapping / touching acupuncture points* can be interpreted within our quantum-holographic framework as *attenuation of memory attractors of psychosomatic disorders*, via successive setting of new boundary conditions within energy-state hyperspace of acupuncture system during visualizations of psychosomatic problems.

NOTES ON TRANSPERSONAL EXOTIC ASPECT OF VITAL ENERGY

OUTLINE:

Nowadays vital energy returns into science via integrative medicine & transpersonal psychology – although vital force theory was discarded in organic chemistry of 19th century. Within our extended QHQG framework, transpersonal exotic aspect of energy-information communications is suggested by establishing & stabilizing energy-information channels of vital energy (prana, qi, ki...), known in all traditions and widely used in transpersonal energy therapies (Ayurvedic, Qigong, Reiki...) [40].

Our extended QHQG framework points to collective consciousness – as possible ontological property of QHQG field itself, whose memory attractors can be basics of quantum-holistic global psychosomatics [41] – with significant religious / social implications on necessity of transpersonal QHQG balancing of all undesirable collective memory attractors (which un-reprogrammed over time would lead to development of psychosomatic disorders or interpersonal conflicts in this and / or future generations).

Spontaneous transpersonal QHQG communications in transitional states of individual consciousnesses – would have negative psychosomatic-spiritual effects, as they would lead to global trans-generational increase in psychosomatic loads of macroscopic transpersonal QHQG network of collective consciousness – thus representing karmic / sinful 'engine of history'. Only phenomenon that would reduce these loads is all-forgiving prayer for oneself & others (neighbours, enemies, the dead) [42].

OUTLINE (continued):

Prayer probably acts via spiritually-excited vacuum macro-quantum portions of vital energy in all prayer-related persons – as *in-deterministic interventions in (otherwise intrinsically-deterministic / Schrödinger-unitary) QHQG evolution of collective consciousness (similar to spiritually-excited & mentally-channeled Ayurvedic, Qigong, Reiki and contemporary local & transpersonal healings).*

This leaves most room for free will & influence on future preferences – making *role of each individual irreplaceable* due to influence & concern for *collective mental environment*. Indeed, when there are *transpersonally-entangled blockages* within energy-state space of QHQG field of acupuncture system / (collective) consciousness (as indicated by *extrasensory experiences in quantum reality* [43-46]) – then memory attractors of QHQG collective consciousness should be removed too (by *prayer or circular (psycho / energy) therapies*, from all relevant meta-positions to *remove all mental addresses involved within problem*).

Our QHQG framework implies hierarchical parts carry information about whole – similar to Hindu relationship *Brahman / Atman*, allowing subtle *quantum-holographic coupling of different hierarchical levels in Nature* [47-51] – also supported by *acupuncture system and its projection zones* (ECIWO holographic concept [52]), and by discovery of *quantum-holographic influence of language communication on genome expression* (by speech-modulation of illuminating-laser-signal [53]); and also suggests *origin of miraculous creativities* (Tesla and Mozart as case studies [54,55]) and *predestinations of life paths and temptations* (as indicated by experiences of hypnotic regressions [56] and different traditions [57], emphasizing they can be *optimized by spiritual purification*).

OUTLINE (continued):

Buddhist interpretation of karma – occurring as result of *latter justification of our conscious reactions against others* in some situation [58] – which is fully justified within context of *QHQG trans-generationally predestined life programs*, as we all (*non-consciously*) *react to current conflicting-encoded life-situations* (several hundred milliseconds before we become aware [59]!), but immediately afterwards we have chance to (*consciously*) *permanently untangle existing trans-generational conflict by penitent-all-forgiving prayer*.

Christianity therefore insists on repenting & forgiving – as anything else would enhance existing mental / emotional personal loads & enlarge evil in world, dismissing individual & humankind from final spiritual ideal of sinless state of individual & collective consciousness!

NOTES ON TWO COGNITIVE MODES OF CONSCIOUSNESS

OUTLINE:

QHQG framework also indicates two cognitive modes of consciousness, according to strength of consciousness-body-environment coupling – weakly-coupled direct one (in out-of-body spiritual-creative quantum-entangled altered states of consciousness, like prayer, meditation, daydreaming, lucid dreams, creative insights...) & strongly-coupled indirect one (in bodily perceptually-rationally mediated classically-reduced stationary normal states of consciousness, like sensory perception, logical and scientific reasoning...).

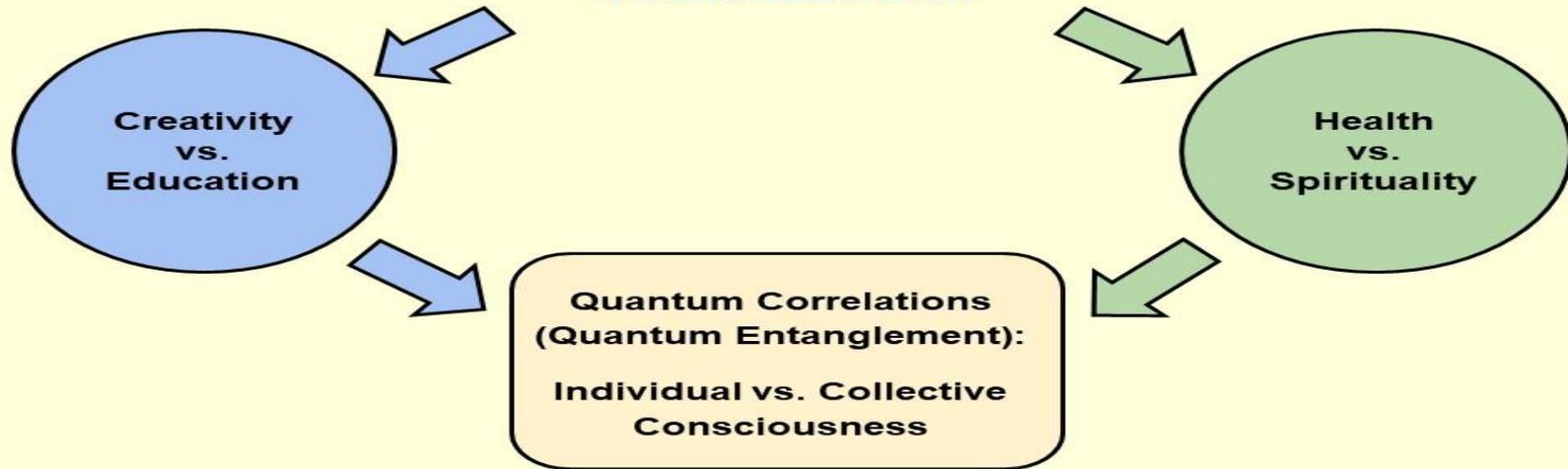
This explains fundamentally inadequate information rationalization of any direct QHQG spiritual / religious mystical experience (as problem of quantum measurement theory, on reduction of implicate order of QHQG superpositions into explicate order of classical-reduced states (cf. Fig.2(a,b), inspired essentially by Tesla as case study [60-64]) – close to experiences of many shamanistic tribal traditions, which believe that *true* (quantum-holographic) reality is represented by so-called *lucid dreams*, and that (classically-reduced) *waking state* is lie / illusion (*maya*, as pointed out in Eastern traditions).

So different partial rationalizations – (classical-reduced mappings!) of different mystical experiences are approximations of fundamental-holistic reality (quantum-holographic territory!) – which differ from tradition to tradition.

But similar partial rationalizations – of mystical experiences of same tradition are part of same dominant-channeling trans-generational contextual heritage of members of same tradition – as we are not born as *tabula rasa*.

Tesla's Inspired Holistic Ideas

www.tesla2017.com



$$|\Phi\rangle_S |\Psi\rangle_E \rightarrow \sum_i c_i |\Phi_i\rangle_S |\Psi_i\rangle_E \xrightarrow{p_j = |c_j|^2 \approx 1} |\Phi_j\rangle_S |\Psi_j\rangle_E$$

Figure 2 (a) Symbolic representation of **mentally controlled-directed increasing of macro-quantum correlations of interacting individual consciousness (S) & collective consciousness / environment (E) in transpersonally-entangling creative phases** (with previous mental increase of focused weight contribution c_j & subsequent (practically non-stochastic) classically-reduced selection of this dominant weight contribution c_j ; cf. formula above); **(b)** Symbolic representation of **mentally controlled-systemic decreasing of macro-quantum correlations of interacting individual consciousness (S) & collective consciousness / environment (E) in transpersonally-disentangling spiritual phases** (with previously systemic mental decreasing of almost all weight contributions c_i & subsequent (practically non-stochastic) classically-reduced selection of remaining dominant weight contribution c_j (related to mentally-embedded address on founder of corresponding mystical tradition; cf. formula above) [61,62].

OUTLINE (continued):

Thus science re-discovers two modes of cognition & sets its own epistemological limitations – as preserved for millennia in *shamanistic tribal traditions* [65], or as *Patanjali described in Yoga Sutras* emphasizing that mystical experience (*samadi*) is 'filled with truth' and 'above conclusions and scriptures' [66], while *Berdyaev in Philosophy of Freedom* formulated difference between faith & knowledge as difference between two ways of knowing, prayer-mediated 'manifested things invisible' & rational-mediated 'manifested things visible' [67].

Also necessity of direct QHQG entanglement of individual & cosmic collective consciousness in observation of implicate order – would require weak out-of-body consciousness-environment quantum-communication coupling, i.e. *reprogramming of all psychosomatic loads*. Otherwise, as mental addresses, they would lead to classically-reduced *out-of-body extrasensory observation* of mentally-addressed environment.

So mystical efforts of all traditions to purify consciousness / soul through spiritual practices – (*prayer, meditation...*) and reach their *final eschatological goal* (Kingdom of God, nirvana...), i.e. *post-mortem salvation* of (sinless, unbound...) *soul*, by *re-union* (*re-ligare, yoga...*) with *spiritual primordial source* – appears reasonable.

This also leaves room for personal love – with highest ability and readiness for *constant & unconditional forgiveness* (to loved one, and because of him / her to everyone else, including enemies) in prayer & (QHQG entangled) life practice; the same applies to love for relatives and friends.

DISCUSSION ON TRANSPERSONAL & TRANS-GENERATIONAL HEALING

Healing effects on acupuncture system / consciousness are often blocked by QHQG spiritual personal consent to disease as (self) punishment – as evidenced by experiences in post-hypnotic regressions, when prayers & self-love for oneself & others are needed to end (self) punishment – thus performing spiritual integration of personality, i.e. dis-entanglement of transpersonal energy blockages, which triggers process of permanent healing [68].

Spiritual in-deterministic introducing new vacuum excitations of vital energy in otherwise deterministic QHQG evolution of collective consciousness – can permanently remove whole mutual conflict between two people, as greatest source of freedom in optimizing life programs through spiritual cleansing [69] (similar to spiritually-excited & mentally-channeled Ayurvedic, Qigong, Reiki & modern experiences of local & transpersonal healings, by non-Schrodinger imposing necessary essentially new boundary conditions!).

In particular, we emphasize – Hawaiian ho’oponopono tradition with remarkable reprogramming of life situations by contextual repenting & forgiving ourselves [70]; South American ayahuaska [71] and Nigerian Abiku [72] traditions with fascinating spiritual diagnoses & extensions of predestined-short-life programs; Anita Moorjani’s fascinating world bestseller on spiritual changing her life program with return from clinical death and afterwards spontaneous healing of terminal phase of cancer [73]; Bruno Groening’s contemporary spiritual teaching with incredible healing channel remained open after his death, in optimizing individual & collective life programs [74]; Christian (hesychastic) Mysticism with miraculous healing & optimizing life programs [75].

DISCUSSION (continued):

So even most severe psychosomatic disorders have their roots in energy-informational blockages – and healing begins by removing them, by accepting oneself, loving oneself & forgiving oneself, which is then manifested by loving others & accepting others (by spiritually dis-entangling repentant-forgiving prayer)!

Within context of transpersonal psychology – all psychosomatic problems could have their initial roots in energy-information attractor blockages at different levels of consciousness (caused by trans-generational-predestined stressors, like fear, frustration, anger, hatred...), and healing would involve their integration with healthy core of personality, through unconditional spiritually-forgiving acceptance of oneself & one's environment.

In deep psychotherapeutic terminology – healing would begin with integration of detached aspects of Shadow (subconscious) with Person (ego), and terminates by integration with higher Self at the end of individuation (psychosynthesis) [76], i.e. by removing all layers of individual's mask created from transpersonal and trans-generational QHQG energy-information blockages (attachments) at different levels of consciousness.

CONCLUSIONS

*Our extended QHQG theoretical framework of consciousness & psychosomatics, in line with increased scientific interest for consciousness studies in past decades, **anticipates great synthesis of two modes of knowledge**, rational-scientific (classically-reduced, in normal states of consciousness) & creative-religious (quantum-entangled, in transitional & altered states of consciousness).*

*Thus role of every individual might become irreplaceable due to influence and care for collective mental environment, leaving most room for free will. This would point to full significance of holistic education & behaviour – **anticipating redefining global educational / informational / political goals**, with re-orientation towards holistic gentle actions for solutions of global risk society.*

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**THANK YOU
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About Author

Prof. Dr. Dejan Raković has wide scientific interests, broadly related to materials science & biophysics, covering fields of nanomaterials & biomaterials, nanotechnology & spectroscopy, and biophysics & bioinformatics of biomolecular, psychosomatic, cognitive & electrophysiological functions. He has published over 250 scientific papers and communications, cited over 500 times in scientific periodicals and monographs, and has given numerous invited lectures in former Yugoslavia and abroad. All his university career during 1976-2016, he spent with Faculty of Electrical Engineering, University of Belgrade (www.dejanrakovic.com), and co-authored over 10 textbooks from university down to high-school levels. From 1997 to now he is vicepresident of Yugoslav Materials Research Society, being guest co-editor of 10 volumes from YUCOMAT conferences. During 1995-1998 he headed regional project Brain & Consciousness at European Centre for Peace & Development (ECPD) of United Nations University of Peace in Belgrade, while from 2009 he was heading ECPD International School of Quantum-Informational Medicine, with co-authored ECPD thematic textbook. In 1999 he co-founded International Anti-Stress Center (IASC) in Belgrade, becoming president elect of IASC Governing Board, with wide educational holistic anti-stress activities & co-authored IASC thematic textbook, while in 2009 he founded his Fund (DRF) for Holistic Research & Ecology of Consciousness, with wide promotive holistic activities including co-organization of Symposium of Quantum-Informational Medicine QIM 2011, with co-edited thematic e-Proceedings. In 2015 he also co-organized 1st Int. Congress on Psychological Trauma: Prenatal, Perinatal & Postnatal Aspects (PTPPPA 2015), with co-edited thematic e-Proceedings. From 2019 he is Serbia CoDirector of WholeSelf Discovery & Development Institute International as well.