



GLOBAL JOURNAL OF SCIENCE FRONTIER RESEARCH: A
PHYSICS AND SPACE SCIENCE

Volume 18 Issue 7 Version 1.0 Year 2018

Type: Double Blind Peer Reviewed International Research Journal

Publisher: Global Journals

Online ISSN: 2249-4626 & Print ISSN: 0975-5896

The Computational Unified Field Theory (CUFT): Can Human Consciousness Affect the Cosmos?

By Jehonathan Bentwich, Ph.D.

Abstract- Twenty-First Century's Theoretical Physics is undergoing a major "Paradigmatic-Shift", i.e., from the old "Material-Causal" Paradigm of Relativity Theory (RT) and Quantum Mechanics (QM) to the new 'A-Causal Computation' Paradigm associated with the 'Computational Unified Field Theory' (CUFT). Based on initial empirical validation of the CUFT as more valid than RT and QM through its 'differentialcritical' prediction associated with the "Proton-Radius Puzzle" (Bernauer & Pohl, 2014), the current article sets to test a hypothetical possible theoretical implication of this CUFT, wherein Individual Human Consciousness may potentially affect certain physical effects in the physical universe; This intriguing new prediction of the CUFT stems from its earlier discovered theoretical postulate of the "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH).

GJSFR-A Classification: FOR Code: 020302



Strictly as per the compliance and regulations of:



The Computational Unified Field Theory (CUFT): Can Human Consciousness Affect the Cosmos?

Jehonathan Bentwich, Ph.D.

Abstract- Twenty-First Century's Theoretical Physics is undergoing a major "Paradigmatic-Shift", i.e., from the old "Material-Causal" Paradigm of Relativity Theory (RT) and Quantum Mechanics (QM) to the new 'A-Causal Computation' Paradigm associated with the 'Computational Unified Field Theory' (CUFT). Based on initial empirical validation of the CUFT as more valid than RT and QM through its 'differential-critical' prediction associated with the "Proton-Radius Puzzle" (Bernauer & Pohl, 2014), the current article sets to test a hypothetical possible theoretical implication of this CUFT, wherein Individual Human Consciousness may potentially affect certain physical effects in the physical universe; This intriguing new prediction of the CUFT stems from its earlier discovered theoretical postulate of the "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH).

I. INTRODUCTION

Modern Theoretical Physics is undergoing a "Paradigmatic Shift" from its old 'Material-Causal' Paradigm underlying both RT and QM to its new 'A-Causal Computation' (ACC) Paradigm of the CUFT; This Paradigmatic Shift is quite significant in that it revises our basic understanding of the physical universe – i.e., its origination- sustenance- constant "dissolution"-re-production- and evolution- based on the singularity of the Universal Consciousness Reality which computes every exhaustive spatial pixel in the universe at every minimal time-point: " $c^2/h = 1.36^{50}$ sec", comprising an extremely rapid series of 'Universal Simultaneous Computational Frames' (USCF's). Hence, it was shown that according to this new CUFT's ACC Paradigm the physical universe was not "caused" by an initial "Big-Bang" nuclear explosion – since there cannot exist any 'material-causal' physical interaction between any two (or more) exhaustive spatial pixels in the universe, e.g., at any single- or multiple- USCF's frames! Instead, the new ACC Paradigm postulates that the whole universe including every exhaustive spatial pixel comprising it (e.g., at any minimal time-point USCF's frame/s) is being computed simultaneously by the singular Universal Computational Principle (UCP) at each consecutive USCF's frame/s, "dissolves" back into this singular UCP "in-between" any two consecutive USCF's frames, and is being "re-created" and evolved at each consecutive USCF's frame/s! Therefore, the new emergent picture of the universe is one in which "time", "space", "energy" and

"mass" merely represent secondary computational by-products of the singular Universal Consciousness Reality which singularly exists both "in-between" any two consecutive USCF's frames (e.g., without the presence of any physical universe) and also solely computes every exhaustive spatial pixel in the universe "during" each consecutive USCF's frame/s. The CUFT has received initial empirical validation based on the confirmation of one of its "differential-critical" predictions associated with the findings of the "Proton-Radius Puzzle" (Bernauer & Pohl, 2014). The current article (Epilogue) is attempting to extrapolate from the establishment of the CUFT's as a new satisfactory 'ACC' Paradigm (of Twenty-First century Theoretical Physics) towards a possible effect of Individual Human Consciousness on the newly discovered Universal Consciousness Reality's continuous production-dissolution- sustenance- and evolution- of the entire physical universe (at every minimal time-point USCF's frame/s).

a) *Can Human Consciousness Affect the Cosmos?*

According to Relativity Theory, Human Consciousness may manifest through the relativistic observer's *measurement* of any given space-time, energy-mass object (or event); However, in this instance, Human Consciousness is "separate" from any such given 'space-time' or 'energy-mass' object or event and it does not alter the physical properties of any such given physical (space-time, energy-mass) object or event. In the case of Quantum Mechanics, Human Consciousness can influence the collapse of the (assumed) 'probability wave function' through the direct physical interaction between the human observer's selection of a particular given subatomic 'probe' particle which is assumed to "cause" the "collapse" of the probability wave-function; But, even in QM, the effect of this direct physical interaction between a measuring subatomic 'probe' and its affected "collapsed" 'probability wave function' does not directly relate to Human Consciousness itself but only to its selection of a particular subatomic "probe" element which affects the 'collapse' of the target's probability wave-function.

Hence, according to the "Material-Causal" Old Paradigm underlying both Relativity Theory and Quantum Mechanics, Human Consciousness cannot directly influence the physical reality, e.g., of a given relativistic (space-time, energy-mass) phenomenon or of

Author: e-mail: drbentwich@gmail.com

a given subatomic target; However, it is suggested that with the discovery of the 'Computational Unified Field Theory' (CUFT) New 'A-Causal Computation' Paradigm, which conceptualizes the origination- sustenance- "dissolution"- and evolution of the entire physical cosmos as solely produced by the singular existence of a Universal Consciousness Reality, the role of Human Consciousness may change dramatically: Indeed, the scope and purpose of this article is to shed a new light upon the close relationship that is hypothesized to exist between this singular Universal Consciousness Reality and Human Consciousness – as potentially affecting certain aspects of the physical universe; As will be delineated below, generally the possibility of Human Consciousness to affect the Cosmos (or particular parts within it) may arise through at least two distinct avenues: a) in the case of an "expanded" Individual Human Consciousness which was postulated to function in an equivalent mode to the Universal Consciousness Reality's computation- "dissolution"- sustenance- and evolution- of every exhaustive spatial pixel in the universe, such 'expanded' Individual Human Consciousness may indeed affect any exhaustive spatial pixel in the universe (in an equivalent manner to the Universal Consciousness Reality's capacities); and b) it is herein hypothesized that "Collective Human Consciousness" (e.g., an aggregate number of Individual Human Consciousness' all geared towards focusing on a common "object", "phenomenon", or "goal" etc.) may collectively affect such single or multiple physical 'object/s', 'phenomena' or even 'goals' manifesting in the physical universe...

Specifically, an additional (new) "differential-critical prediction" of the CUFT will be identified which predicts that a "Collective Individual Human Consciousness Effort" (CIHCE) may even be involved in such "macroscopic" effects – i.e., including the possibility that the accelerated expansion of the physical universe may be associated with such "CIHCE" Individual Human Consciousness orientation (and focus).

Twenty-first century Physics is undergoing a major "Paradigmatic-Shift" from the Old 'Material-Causal' Paradigm underlying Relativity Theory and Quantum Mechanics to the New 'A-Causal Computation' Paradigm associated with the discovery of the 'Computational Unified Field Theory' (CUFT). The CUFT has been recognized as a satisfactory 'Theory of Everything' shown capable of resolving the theoretical inconsistency between RT and QM and moreover resolving a series of "Physical Conundrums" such as: 'Dark-Matter' and 'Dark-Energy', the "Arrow of Time" etc. The CUFT significant advancement in our basic understanding of the physical cosmos was marked by the CUFT's discovery of the "Universal Consciousness Reality" – which represents the only "computationally invariant" constant reality computing every exhaustive

spatial-pixel in the universe both "during" each consecutive Universal Simultaneous Computational Frame (USCF) giving rise to the four basic features of "space", "time", "energy" and "mass", and also existing solely (without the presence of the physical cosmos) "in-between" each two consecutive USCF's frames. This is because (as previously shown) this new recognition of the existence of a singular permanent 'Universal Consciousness Reality' which both solely computes- "dissolves"- sustains- and evolves- every exhaustive spatial-pixel throughout the physical cosmos and transcends it by existing solely without the physical universe 'in-between' any two consecutive USCF's frames leads us to view the physical cosmos as merely a manifestation of this singular Universal Consciousness Reality... As such, the four basic features comprising each and every exhaustive spatial pixel in the physical universe are seen to represent merely a manifestation of the singularity of this Universal Consciousness Reality. Moreover, this singular Universal Consciousness Reality was shown to possess a "Supra-Spatial-Temporal" Reservoir which contains all "past", "present" and possible "future/s" USCF's frames! As such, this Supra-Spatial-Temporal Universal Consciousness (Reservoir) regards the existence- "dissolution"- sustenance- and evolution- of each and every exhaustive spatial-pixel in the cosmos as merely a manifestation of this Universal Consciousness Reality.

Thus, this article sets to test the hypothesis whereby Human Consciousness can affect certain effects in the physical universe;

II. METHOD

In order to test the primary hypothesis of this article whereby Human Consciousness can affect certain physical phenomena associated with the physical universe, we begin by exploring one of the recently discovered CUFT's new theoretical postulates, namely: the "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH); The IHCESH postulates that given the Universal Consciousness Reality's Inseparability Principle which asserts the principle "inseparability" of any past, present or future/s* USCF's pixel/s from the Universal Consciousness Reality (abovementioned), and another "Ontological Relativism" postulate which asserted the ontological equivalence of the three States of Individual Human Consciousness (e.g., "Deep-Sleep", "Waking" and "Dream")– e.g., which indicates in the "Deep-Sleep" state there is no real "separation" between the Individual Human Consciousness and the Universal Consciousness Reality; therefore, the IHCESH postulate hypothesizes that Individual Human Consciousness can also exhibit an 'inseparable' "expanded" state in which it may function in a manner equivalent to the Universal Consciousness Reality!

In order to operationalize the Method for and experimentally testing- this IHCESH postulate's prediction regarding the possibility of Individual Human Consciousness affecting the Physical Cosmos, we also need to delineate the (previously outlined) 'Ten Hierarchical Laws of Manifestation' (THLM) associated with the Universal Consciousness Reality's computation- "dissolution"- sustenance- and evolution- of every exhaustive spatial pixel in the physical cosmos, e.g., throughout its 'Supra-Spatial-Temporal Reservoir' of all past- present- and future/s- USCF's frames; These 'Ten-Hierarchical Laws of Manifestation' (THLM) comprise of:

- a) The Universal Consciousness Reality's computation of the four basic 'Physical Features' of 'space', 'time', 'energy' and 'mass'; which are organized and computed by:
- b) The Universal Consciousness Reality's three Computational Dimensions, e.g., of 'Consistency', 'Framework' and 'Locus' which are computed by:
- c) The 'Universal Consciousness Reality's "Universal Computational Formula" which completely integrates those four basic physical features based on the singular computational process of the Universal Consciousness Reality, which (in turn) is driven by:
- d) The Universal Consciousness Reality's "Supra-Spatial-Temporal Reservoir", e.g., comprising all "past"- "present" or "future/s"*- USCF's frames comprising the entire evolution of the physical universe, which in turn is "motivated" by:
- e) The Universal Consciousness Reality's "Accelerated Expansion of Consecutive USCF's Frames' Presentation", e.g., previously delineated as negating the existence of any (purely hypothetical) "Dark-Mater" or "Dark-Energy" (assumed to "cause" the accelerated expansion of the physical universe); which in turn is "motivated" by:
- f) The "Evolution of Consciousness Hypothesis" , e.g., of the progressive presentation of "inanimate", then "animate": "plants", "animals", "humans"; which leads to:
- g) The Universal Consciousness Reality's "Dynamic-Equilibrium" Principle, e.g., (previously explained) which "balances" any "moral-injustice" (infliction of 'pain' or 'suffering' by one Individual Human Consciousness upon another Individual Consciousness) by allowing the 'Inflicting-Human Consciousness' to experience a proportionate 'suffering or pain' to the one it inflicted consciously upon the 'Inflicted Human Consciousness'...; This 'Dynamic-Equilibrium Principle' applies only to the "higher segment" of the 'Evolution of Consciousness' (hypothesis), namely: human beings; This 'Dynamic-Equilibrium Principle' is motivated by:
- h) The Universal Consciousness Reality's motivation to express its full "Expanded Individual Human

Consciousness Universal Consciousness' State"! this refers to the ultimate "goal" of the Universal Consciousness Reality to evolve the entire physical universe (which was shown previously to merely represent a "camouflaged" manifestation of the singularity of the Universal Consciousness Reality) towards a "full manifestation" of the Universal Consciousness Reality through its expression within an "expanded" 'Individual Human Consciousness' through its "Universal Consciousness State" in which Individual Human Consciousness expresses an equivalent functioning and capacities as the Universal Consciousness Reality's continuous computation- "dissolution"- sustenance- and evolution- of every exhaustive spatial-pixel in the universe (as well as its 'Supra-Spatial-Temporal Reservoir's access and potential influence etc.); this Universal Consciousness Reality may be "motivated" by its:

- i) Universal Consciousness Reality's "Free-Will Hypothesis": an essential freedom of the Universal Consciousness Reality to express- create- evolve- "dissolve"- and evolve- any exhaustive spatial-pixel in the universe, any moral-motivation, any physical law etc. throughout its 'past', 'present' and 'future/s*'- 'Supra-Spatial-Temporal Reservoir' USCF's; Finally, the Universal Consciousness Reality's 'Free-Will Hypothesis' arises from:
- j) Universal Consciousness Reality's "Good-Will" Hypothesis: a basic postulate asserting the essential "good", "benevolent", "life-giving" impulse of this singular Universal Consciousness Reality – i.e., to create, sustain and evolve all inanimate, animate: plants, animals and human-beings, and lead them towards ever more expansive expression and manifestations of its inherent Universal Consciousness Reality... it is herein hypothesized that there exists a "primal" 'Good-Will' Motivation of this singular Universal Consciousness Reality to 'create'- ('dissolve')- 're-create' and 'evolve'- the entire physical universe as a growing manifestation of its intrinsic motivation to manifest increasingly expansive expressions of its basic Moral, Universal Consciousness nature – i.e., at each and every exhaustive spatial-pixel comprising any 'past', 'present' or 'future/s'* USCF's frames, i.e., including its accelerated increase in the number of spatial-pixels comprising each of its consecutive USCF's frames (being presented) and towards its evolutionary manifestations of increasingly expansive 'inanimate', then 'animate': plants, animals, humans – and leading up to the fully "expanded" "Individual Human Consciousness' Universal Consciousness State".

These 'Ten-Hierarchical Laws of Manifestation' explicate the manner in which the singular Universal Consciousness Reality manifests each and every

exhaustive spatial pixel in the physical universe – i.e., as directed (and "motivated") by ever more expansive "circles" of expression of this singular Universal Consciousness Reality; Therefore, the abovementioned delineation of these 'Ten-Hierarchical Laws of Manifestation (THLM) is "important" – e.g., in terms of its outlining of the possible effect that Human Consciousness may have on the physical Cosmos:

As mentioned (above), the series of CUFT's Theoretical Postulates (all) point at the above mentioned "inseparability" of Individual Human Consciousness from the Universal Consciousness Reality: The "Universal Consciousness Reality's Inseparability" Postulate indicated that since at any single- or multiple- USCF's frame/s – all exhaustive spatial pixels comprising any such single/multiple USCF's frame/s are solely produced- "dissolved"- sustained- and evolved- singularly by this Universal Consciousness Reality; and the IHCESH postulate indicated that due to the potential of "expanded" Individual Human Consciousness to function in a manner that it "equivalent" to the Universal Consciousness Reality, therefore in both its Individual Human Consciousness "Expanded State", as well as through a potential to affect the Cosmos through a "Collective Human Consciousness Focus"[CHCF] delineated below – it should be possible for Individual Human Consciousness to affect changes in the physical universe:

- a) It is suggested that the "expanded" Individual Human Consciousness" can equivalently affect each exhaustive spatial pixel/s throughout the physical universe, i.e., in terms of its computation of each exhaustive spatial pixel's four physical features (of 'space', 'time', 'energy' and 'mass').
- b) This potential capacity of the "expanded" Individual Human Consciousness to affect the computation of each of the universe's four physical features (of 'space', 'time', 'energy' and 'mass') is derived from its equivalent capacity (e.g., to the Universal Consciousness Reality – of which it is truly "inseparable") to compute- or affect- the Universal Consciousness Reality's Three 'Computational Dimensions', (e.g., of 'Consistency', 'Framework' and 'Locus');
- c) Which, in turn is derived from such an "expanded" Individual Human Consciousness (e.g., or indeed of a 'Collective Human Consciousness Focus', as will be delineated below) – to carry on- or affect- the Universal Consciousness Reality's capacity to compute its "Universal Computational Formula" which completely integrates the four basic physical features (of 'space', 'time', 'energy' and 'mass') per each exhaustive spatial pixel/s comprising the physical cosmos; This implies that an "expanded" Individual Human Consciousness can operate

(hypothetically) via the same 'Universal Computational Formula' which can therefore compute- affect- "dissolve"- and 'evolve' any exhaustive spatial pixel throughout the entire physical universe.

- d) Furthermore, it is hereby hypothesized that such an 'Expanded Individual Human Consciousness' or 'Collective Human Consciousness Effort' – may also possess access to any of the Universal Consciousness Reality's "pool" of all 'Supra-Spatial-Temporal Reservoir' of any past' present- or 'future/s*' USCF's exhaustive spatial pixels... (This hypothetical access of the 'Expanded Individual Human Consciousness' or 'Collective Human Consciousness Focus' to all exhaustive 'past', 'present' or 'future/s*' USCF's pixels raises an important question regarding the potential of Human Consciousness to affect changes in any given (individual or even Collective) 'past', 'present' or 'future/s' occurrences – such as through conscious human motivations or actions such as: "repentance", "forgiveness" etc. which will be further discussed below and subsequently..)
- e) Interestingly, precisely connected to this potential capacity of 'Expanded Individual Human Consciousness' or 'Collective Human Consciousness Focus' to alter- or revise- or affect- any 'past', 'present', or 'future/s*' USCF's frames' exhaustive spatial pixels' occurrences – is its intrinsic connection with the Universal Consciousness Reality's 'Dynamic-Equilibrium' Principle'; this is because tied with this Universal Consciousness Reality's 'Dynamic Equilibrium' Moral Principle's inherent tendency to "balance" any "moral-imbalance", i.e., any infliction of 'pain' or 'suffering' by one Individual Human Consciousness upon another Individual Consciousness – such that the degree of pain/suffering experienced by an "Inflicted" Individual Consciousness one Individual Consciousness as to be experienced by the "Inflicting" Consciousness by another Consciousness; is both the Individual Human Consciousness' selection of (moral/immoral) actions – which determines the Universal Consciousness Reality's "balancing" Dynamic-Equilibrium "correction" of the 'Inflicting Consciousness' future occurrences; as well as the potential of that 'Inflicting-Consciousness' to undergo a "self-correction/repentance" conscious action – which can potentially "undo" any such (negative) 'balancing/correcting' occurrences potentialities of the Universal Consciousness Reality towards that 'Inflicting-Consciousness'.

III. RESULTS & DISCUSSION: EXPERIMENTAL PREDICTIONS & THEORETICAL IMPLICATIONS

Some of the concrete Experimental Predictions of this new CUFT's realization regarding the "intimate" connection between Individual Human Consciousness and the Universal Consciousness Reality are:

- a) It is expected that certain 'Experimental Conditions' could be set to test the CUFT's hypothesis wherein a negative 'Moral Choice' can trigger a negative 'balancing/correction' action of the Universal Consciousness Reality; and equally that a 'repentance' action of that Inflicting pain Consciousness can "cancel" any such negative consequences.
- b) It is also expected that Experimental Conditions can be devised to test the capacity of an 'Expanded Human Consciousness' to affect any given Physical System's particular spatial-pixels, e.g., such as for instance its capacity to affect remote System's selection of "random occurrences" (automatic computerized selection of certain outcomes);
- c) It is also predicted that a particular "Collective Human Consciousness' Focus" (CHCF) can indeed affect certain (macroscopic) "relativistic" phenomenon or (microscopic) 'quantum' effects; one of the possible manifestations of this CHCF hypothesis is testing to see whether there exists a change in the empirically observed "rate of accelerated expansion" of the physical universe – that may be affected by such CHCF as the "Jewish New Year's" Intensive Prayers... May it be possible that there exists a direct correlation between the CHCF associated with this 'Jewish New Year's' Intensive Prayers period of time and a (positive) change in the rate of accelerated rate of the universe's expansion?! In other words, can empirical measurements be carried out which may indicate that the universe's accelerated rate of expansion – does not occur based on a "continuous-monotonic" rate (e.g., all along the year) but is rather typified by a non-continuous acceleration of this Universal Expansion specifically occurring at the time of the Jewish New Year's Prayers? If so, than this would be one of the direct empirical validations of the impact of Human Consciousness on the Cosmos.

The scope and purpose of this article was to elucidate the close connection that exists between Human Consciousness and the Universal Consciousness Reality, e.g., based on the CUFT's elucidation of several principles: first, it was shown that based on the "Universal Consciousness Inseparability Principle" and the "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH) postulates – that it should be possible to test (particular) effects of an

'Expanded Individual Human Consciousness' upon otherwise "random" (automatic computerized) occurrences; Second, it was hypothesized that based on the Universal Consciousness Reality's 'Dynamic-Equilibrium Principle' certain Experimental Conditions could be devised which would allow to test the specific prediction that the selection of particular "Immoral Action/s" by an 'Inflicting-Consciousness' upon another 'Inflicted-Consciousness' – can be shown to 'trigger' a proportionate "correction" (by the hypothetical Universal Consciousness Reality) which would manifest as the occurrence of proportionate (negative) consequences by the Inflicting Human Consciousness; and that a 'repentance' correcting action (or motivation) by this 'Inflicting-Consciousness' would result in a "cancelling" or "revision" of the otherwise negative consequences experienced by the Inflicting Consciousness; Finally, that particular 'Experimental Conditions' can be designed to test the CUFT's prediction regarding the potential effect of such 'Collective Human Consciousness Focus' upon the empirically observed accelerated expansion of the physical universe – e.g., such as for instance hypothetically observing a change in this rate of accelerated expansion of the cosmos associated with the 'Jewish New Year's' intensive 'Collective Human Consciousness Focus' prayers.

To the extent that such empirical predictions of the CUFT can be validated experimentally it would evince that the CUFT's assertion regarding the inseparability of Individual Human Consciousness from the Universal Consciousness Reality, and its inherent potential to "expand" such that it can function in a somewhat equivalent manner to this Universal Consciousness Reality's continuous computation-"dissolution"- sustenance- and evolution- of every exhaustive spatial pixel in the universe; as well as to the 'intimate' connection that exists between the conscious (moral) choices of an Individual (Inflicting) Human Consciousness and the Universal Consciousness Reality's 'Dynamic-Equilibrium' moral principle's "balancing" of this Inflicting Human Consciousness' future/s occurrences determination (e.g., including the possibility to 'cancel' such potential negative consequences through the 'Inflicting' Consciousness' repentance...

IV. DEDICATION

This article is dedicated to my dear beloved (diseased) Mother, Dr. Tirza Bentwich whose love and faith in me have nurtured my inquisitive (awe-driven) quest to find Truth; It is also dedicated to Humanity – may this scientific work foster future Scientific Research and Understanding revealing the underlying Unity of the Universal Consciousness Reality's oneness behind all creation, and specifically may it encourage Science to unravel the full Human Potential of its Expanded

Individual Consciousness and its (positive) Collective Human Consciousness' good-seeking qualities and potentialities.

REFERENCES RÉFÉRENCES REFERENCIAS

1. Bentwich, J. (2012a) "Harmonizing Quantum Mechanics & Relativity Theory". Theoretical Concepts of Quantum Mechanics, Intech (ISBN 979-953-307-377-3), Chapter 22, pp. 515-550.
2. Bentwich, J. (2012a) "Harmonizing Quantum Mechanics and Relativity Theory". Theoretical Concepts of Quantum Mechanics, Intech (ISBN 979-953-307-377-3), Chapter 22, pp. 515-550.
3. Bentwich, J. (2012b) "Theoretical Validation of the Computational Unified Field Theory". Theoretical Concepts of Quantum Mechanics, (ISBN 979-953-307-3773), Chapter 23, pp. 551-598.
4. Bentwich, J. (2013a). "The Theoretical Ramifications of the Computational Unified Field Theory". Advances in Quantum Mechanics (ISBN 978-953-51-1089-7), Chapter 28, pp. 671-882.
5. Bentwich, J. (2013b). The Computational Unified Field Theory (CUFT): A Candidate Theory of Everything. Advances in Quantum Mechanics (ISBN 978-953-51-1089-7) Chapter 18, pp. 395-436.
6. Bentwich, J. (2014a). Critical Empirical Validation of the 'Computational Unified Field Theory' (CUFT) vs. Quantum & Relativistic Models. Selected Topics in Applications of Quantum Mechanics (ISBN 978-953-51-2126-8).
7. Bentwich, J. (2014c) What if Einstein was Right? Amazon Kindle Book Store.
8. Bentwich, J. (2015). On the Geometry of Space, Time, Energy & Mass: Empirical Validation of the Computational Unified Field Theory. Proceedings of Vigier IX – Unified Mechanics: Natural Science Beyond the Veil of Space time (Baltimore, Maryland).
9. Bentwich, J. (2016) The 'Computational Unified Field Theory': A Paradigmatic Shift. Research & Reviews: Journal of Pure & Applied Physics.
10. Bentwich, J. (2017a) The Computational Unified Field Theory: Could 'Dark Matter' & 'Dark Energy' be "Superfluous"? Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
11. Bentwich, J. (2017b) The Computational Unified Field Theory: Explaining the Universe from "Without". Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
12. Bentwich, J. (2017c). The Computational Unified Field Theory: A New 'A-Causal Computation' Physics. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
13. Bentwich, J. (2017d). The 'Computational Unified Field Theory' (CUFT) May Challenge the 'Big-Bang Theory'. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
14. Bentwich, J. (2017e). Can the 'Computational Unified Field Theory' (CUFT) Challenge the Basic Laws of Conservation? Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
15. Bentwich, J. (2017f). The Computational Unified Field Theory: Time Reversal May be Possible. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
16. Bentwich, J. (2017g). The Computational Unified Field Theory (CUFT) Transcends Relativity's Speed of Light Constraint. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
17. Bentwich, J. (2017h). The Computational Unified Field Theory's New Physics: Transcending Space, Time and Causality. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
18. Bentwich, J. (2017i). A "Supra-Spatial-Temporal Universal Consciousness Reality". Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
19. Bentwich, J. (2017j). A New Science: An Infinite Omniscient Dynamic-Equilibrium Universal Consciousness Reality. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
20. Bentwich, J. (2017k). The Computational Unified Field Theory (CUFT) Challenges the Second Law of Thermodynamics. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
21. Bentwich, J. (2017l). The Computational Unified Field Theory (CUFT) Challenges Darwin's 'Natural Selection Principle'! Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The

- Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21st Century Physics.
22. Bernauer & Pohl (2014). The Proton Radius Puzzle. *Scientific American*, 310 (2), p. 20-24.
 23. Born, M. (1954). The statistical interpretation of quantum mechanics, Nobel Lecture, December 11,
 24. Brumfiel, G. (2006). Our Universe: Outrageous fortune. *Nature*, Vol. 439, pp. (10-12).
 25. Ellis, J. The Superstring: Theory of Everything, or of Nothing? *Nature*, Vol. 323, No.089, pp. (595–598) (1986).
 26. Giacosa, Francesco (2014). "On unitary evolution and collapse in quantum mechanics". *Quanta* 3 (1): 156–170. doi:10.12743/quanta.v3i1.26.
 27. Greene, B. *The Elegant Universe*, Vintage Books, New York (2003).
 28. Heisenberg, W. Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik. *Zeitschrift für Physik*, Vol. 43 No. 3–4, pp. (172–198) (1927).