

**ELUCIDATING THE ULTIMATE NATURE OF THE UNIVERSE
AND OF EXISTENCE**

THE THEORY OF EVERYTHING:

ORIGIN OF THE UNIVERSE

AND OF CONSCIOUSNESS.

SUPERNATURAL CREATION OF THE UNIVERSE,

ORIGIN OF FORCES, GRAVITATION,

DARK MATTER, DARK ENERGY,

SOUL THEORY AND THE GOD CONCEPT.



ABED PEERALLY

MONTREAL, CANADA



***THIS PAPER IS A SYNOPSIS OF THE AUTHOR'S SECOND BOOK (Expected to
be published in June, 2020)***



It has been intellectually laborious but surprisingly possible to produce, as far as possible, a comprehensive account of the ultimate realities of the universe and of existence, in one exercise which, however, has taken some ten years to accomplish, in two books, of which the first one was entitled: "In Search of Consciousness and the Theory of Everything" {2017}. The alternative academic exercise would have required a large number of researchers producing a whole array of separate cosmological papers and articles, related to the origin and ultimate nature of the universe and of existence, with the enormous logistic and intellectual implications which that entails.

This second book by the author explains the great mysteries of the universe and of humanity and existence. While surely scientifically more advanced societies in the universe must have already discovered all the mysteries, as far as possible, about the mechanism of origin of the universe and about our realities of existence, our beautiful planet Earth will now, in 2020, learn how our Universe was Supernaturally created, scientifically and philosophically. Once we are acquainted with how the Creation Mechanism occurred, we would come face to face with some realities of the Creator of the Universe, and discover some profound insights about Supernatural Creation and about the Ultimate Nature of Existence, as follows, among others:

- **The Ultimate Theory of Everything is equivalent to the Philosophy of Everything + the Physics of Everything.**
- **Based on the Theory of Everything, a scientific concept of the Supernatural Origin of the Universe is proposed.**
- **This scientific concept of the Origin of the Universe and of the Realities of Existence lays out the ultimate nature of Spacetime, Gravitation, Forces, Particles, in a scientific and philosophical manner that enables the integration of Einstein Relativity and Quantum Mechanics, that is currently agreed to be the most elusive mystery of Physics.**
- **As a result of this ultimate integration of the physics and philosophy of the universe and of existence, and based on the Theory of Everything, we are able to explain several unsolved cosmological phenomena: The ultimate nature of Spacetime, Gravitation, Dark Matter and Dark Energy, the origin and nature of Consciousness and the Accelerated Expansion of the Universe, among others.**
- **Arising from the above, we are able to explain, in an extraordinary manner, why the forces and their particles are the way they are, showing that the Electromagnetic Force, the Weak Force and the Strong Force have to be realities which are, philosophically and scientifically part and parcel of the preconceived Supernatural Strategy that led to the Creation of the Universe, that interestingly is totally compatible with the Theory of Everything, which as said above, is equivalent to the Philosophy of Everything of Existence+ the Physics of Everything of Existence.**
- **Likewise the origin and ultimate nature of Consciousness are described, whereby it becomes evident that Consciousness is one of the most fundamental realities of the universe, capable of unifying the universe in incredible manners, including its possible connections with the beyond,**

thus pointing to the likelihood that Consciousness is intimately linked to Supernatural Reality.

- Employing the same methodology that enabled explaining the Supernatural basis of the Creation of the Universe, it follows suit that the Afterlife Soul Theory is seen to emerge from a certain manner of interpreting the Theory of Everything and the Consciousness Theory in the context of the ultimate nature of existence.
- The Theory of Everything and the Concept of the Origin of the Universe explain most of the conundrums of the universe, particularly the mystery of what spacetime and gravity fundamentally are, as well as of why particles occur in three classes, including explaining the extraordinary contrast between the ultimate reality of the atom being composed of positive proton and the negatively charged electron as opposed to negative proton with the positively charged positron.
- The eminent physicist Lord Rees is however incorrect in the remark according to which: *"...some of the conundrums of the universe may not be solved – because the human brain has reached its limits"*: We can unravel numerous mysteries of existence, to the extent of even speculating about the God Concept, in parallel to the concept which explains the Biblical belief we are an image of the Divine Creator.
- The Big Bang of Lemaitre was a concept meant to draw attention to the fact that Einstein's general relativity shows the universe was created generally from an undifferentiated initial entity, and the Big Bang therefore cannot scientifically explain how our specific realities of existence, like forces, gravitation and particles were conceived. The Big Bang suggests that, based on Einstein's general relativity, the universe was at the beginning, before creation, a minute entity that Lemaitre called Cosmic Atom or Egg, that subsequently flared out to produce our universe. This very outline notion of what was the Big Bang has remained unchanged since it was suggested by Lemaitre early last century.
- We therefore naturally need to figure out, based on our Theory of Everything, and in the light of advances in physics and cosmology in the post Big Bang period of nearly a century, how our universe was Supernaturally Designed and Created to subsequently evolve to be what it is. One of Einstein's most quoted sayings, interestingly, is the view that the universe is comprehensible, and in fact Einstein was absolutely balanced in his reflections when he said he wished he could know God's

thoughts about the ultimate scientific realities of the universe. During the Golden Period of Physics of the first decades of the 20th Century, Einstein and his contemporaries, particularly Bohr, Planck, Dirac, Schrodinger, Pauli, Heisenberg, Lorentz and several others made discoveries that pushed the frontiers of physics in dramatic ways, achievements which laid the foundation of modern physics. The greatest challenges facing physics in our current era are topics that pertain to the ultimate nature of the universe and of existence, for instance the Theory of Everything and the Ultimate Origin and Nature of the Universe, both of which are among the greatest mysteries of modern cosmology and philosophy for, in our current intellectual era, humanity has reached a point where knowing whether there was the involvement of Supernatural Design behind our existence would have huge psychological, social, theological and philosophical importance. One can visualise it was natural for Einstein, whose research distinctly indicated that the universe seems to be comprehensible, to earnestly wish he could understand God's mind about some of the extraordinary scientific mysteries of the universe. We are now about a century beyond the period when Einstein and his colleagues changed the course of the history of Physics in their monumental contributions, particularly in their pioneering work to create the physics of relativity and of quantum physics. Our contemporary period has become scientifically and philosophically adequately knowledgeable to see that we need go much further in terms of understanding our ultimate origin and nature, and to describe, to the extent possible, God's Mind with regards to some of the greatest puzzles of the universe and of physics. Now, in the post-Einstein era, there is the fact that integrating Relativity with Quantum Mechanics is a pressing problem of modern physics, due to the obvious possibility that such an integration of our two ultimate physics concepts might reveal the secrets behind the Ultimate Theory of Everything, which we will try to solve, although the reality of that possibility is a complex and elusive one.

- This book is a substantial effort towards providing humanity with a resolutely comprehensible account of the ultimate nature and origin of the universe and of our realities of existence, to the extent that is possible, an exercise which has demanded, scientifically and philosophically that we conceive the Ultimate Theory of Everything. The Theory of Everything is the crucial missing link, in the intellectual drive to

discover the mechanism of the Supernatural Origin of the universe, the reason why its elucidation has been looked upon as the greatest aspiration of scientific and philosophical research.

The intersection of science, philosophy, theology and sociology is a topic where various eminent physicists, philosophers and theologians have produced authoritative accounts of what the universe and humanity cosmologically represent as far as possible, and we are now quite well prepared to realise what are the most profound lacunae in human cosmological knowledge which, if solved, would lead to the human comprehension of the ultimate nature and meaning of existence, a great ambition of intellectual pursuit. Some of the most pertinent unsolved topics about the ultimate nature of the universe and of existence are as follows, of which the first three points are the most fundamental:

- Is the universe Natural or Supernatural?
- Does God exist or not?
- The Laws of Conservation stipulate nothing can arise from nothing, so it is crucial in every respect to know how the universe came into existence.
- There is nothing in science and philosophy that claims it is possible to create energy or matter from nothing, and it is agreed that only the Supernatural is capable of creating universe/universes. In this connection, we realise that even with Supernatural Design, conservation laws are not meant to be violated, showing that the Supernatural has no bounds of limitation, for clearly Supernatural means Infinite and Eternal. Interestingly it is philosophically sound that the Supernatural does not imply creation from nothing, which would be theologically and philosophically incorrect for that would imply the occurrence of magic. The Supernatural has no need for acts of magic for the Supernatural is Eternal and Infinite, meaning all knowing and all powerful. That is the difference between natural and Supernatural.
- Religion and science are not mutually exclusive, but surely mutually inclusive, for the natural and the Supernatural must be the absolute ultimate realities of existence.
- Closely associated with the ultimate nature of the Natural and of the Supernatural is the question of what is the ultimate nature of Consciousness, and how it originates.
- We also wish to know the following issues:

- **Why we have entropy, evolution, good and evil, gravity, antigravity, Dark Matter and Dark Energy, and living things and humanity, and what could be their ultimate nature?**
- **What could be the ultimate reality of the Human Soul, and if we do know, how can we ascertain whether the Soul possibly exists?**
- **Why do we have Natural and Supernatural beliefs?**
- **Is it possible that the Natural Realities, Physics, Philosophy, Theology, Consciousness, the Human Soul, Time, Mathematics, are Intellectually and Metaphysically integrated realities within the ultimate meaning of existence: In other words, could they all be interconnected through the reality of Consciousness? Is Consciousness not only natural but at least partially Supernatural?**
- **Organised religions, since millennia, have been engaged in socio spiritual teachings and practices to emphasize that there is a Divine Power behind existence. Surely such knowledge expects that we conscientiously manage the world and our existence as diligently as possible. Lemaitre's Big Bang Concept based on general relativity and physics suggests that the universe originated from a minute Cosmic Atom or Egg, a concept that has been a philosophically useful idea, but in a modern scientific world, the Cosmic Atom of Lemaitre or the Singularity of Penrose is known to be totally inadequate to explain the origin of the universe and existence. No wonder we are still at a loss, in the current period early 21st century, to understand even the basic scientific and philosophical reasoning about the origin of the universe and of existence, a lacuna that has socio cultural, religious and sociopsychological impacts on the human mind, and this book intends to produce a complete and comprehensible account of those issues, for that is indispensable in humanity's efforts to face existence with fortitude.**

Modern science, which is not in competition with theology, is dedicated to advancing knowledge about the nature of the realities of existence, without however being capable of producing convincing arguments that could solve humanity's urge to really understand the ultimate origin of the universe and of existence. This situation is not easy to manage intellectually and has to some extent created stress within the relationship science-religion, resulting in important intellectual engagements, often between scientific and religious intellectuals. The current array of opinions around such issues is not, unfortunately founded on clear specific enunciations, but it is becoming acceptable that science and religion are collateral disciplines that have

accumulated a certain amount of parallel and compatible scientific and theological views respectively, where each sector endeavours to explain the ultimate meaning of humanity, the universe and of the meaning of existence. Generally these two apex contrasting disciplines agree that there is no philosophical conflict between their respective views with respect to what is existence. The whole issue of science versus religion as many realise is a matter of appreciation, where there will always exist at least some disagreement and friction. Whichever way we look at it, there should not exist any conflict of interpretation between theology and science, principally because science is a totally objective domain, where the scientific interpretation prevails. However, the concepts discussed in this book will largely help to break down most barriers between science and religion.

The persistently unsettled point, not strangely, is really about God's Existence, not in the sense that some people are atheists, while some have huge doubts about it, or about the fact it is difficult if not impossible to have philosophical and scientific evidence that can substantiate there must be the Supernatural Designer behind the universe. The dilemma is quite unsettling in terms of the human state of mind about existence, in our current sociocultural era. We do realise we have been created in God's Image, which confers on us spiritual responsibilities, issues that generally many appreciate. However, one can derive, in impressive ways, pertinent scientific information that goes a long way towards substantiating intellectually that without a Supernatural Designer, it would be impossible for the universe to exist. The simple fact is that science has no method to create a single atom. This is not the issue. The real issue is that, as this book will show, the atom is an impossibly extraordinary reality, not at all simpler than the universe, strangely and mysteriously, and if we can explain the origin of the atom, and of consciousness, we would in fact be talking about the ultimate origin of the universe. Issues like explaining the Dark Matter and Dark Energy conundrum, the ultimate nature of Consciousness and of the Forces and Particles, of Spacetime, and of the laws of science, revolve around the ultimate nature of an atom, of matter and energy, and of the Supernatural Origin of the Universe, where explanations are ultimately related to philosophical and scientific mechanisms of Supernatural Creation, as we will demonstrate. If Dark Matter has been a mystery since a century and Dark Energy since two decades, it is because physicists do not realise that their ultimate explanations have to do with the ultimate nature of the universe, and not entirely with their physics such as whether they have a particle reality or a specific wave energy.

Cosmological, scientific and philosophical knowledge is capable of producing substantial evidence that convincingly shows that the universe is of Supernatural Origin, and the corollary to this would be the fact of God's Existence. In summary, the main unsolved mysteries of existence are the following five great themes, and hopefully they will be elucidated as far as possible in this book:

- The Ultimate Theory of Everything.
- The Scientific and Philosophical Narratives of the Earliest Events in the Origin of the Universe and of the Metaphysical Creation Acts that, as we will show, Science and Philosophy are capable of unraveling, to the extent possible.
- Scientifically describing the Manner of Origin of Spacetime, Consciousness, Forces, Particles, the Matter Antimatter Asymmetry, the Laws of Nature, the Origin of Gravitation and of Antigravitation, the realities of Dark Matter and of Dark Energy, which we do describe, adds credibility to the theories postulated.
- The above will clearly substantiate the Biblical verse that Humanity has been created in God's Image.
- We will show that while Einstein was perfectly right in his era to believe that it is incomprehensible why the universe is comprehensible, in fact the comprehensibility of the universe is in fact a sine qua non, due to the fact, as the Bible says, we have been created in Image of God, which will be scientifically and philosophically substantiated in the concepts of existence we describe.

Sir Fred Hoyle

One of the most distinguished astrophysicists of all time.

...."When I began my career as a cosmologist some twenty years ago, I was a convinced atheist. I never in my wildest dreams imagined that one day I would be writing a book purporting to show that the central claims of the Judeo-Christian theology are in fact true, that these claims are straightforward deductions of the laws of physics as we now understand them. I have been forced into these conclusions by the inexorable logic of my own special branch of physics."

Albert Einstein

One of the greatest scientists of all time

"The most incomprehensible thing about the world is that it is comprehensible."

“I want to know God’s thoughts. The rest are mere details.”

John Archibald Wheeler, Physicist

***“Behind it all is surely an idea so simple, so beautiful,
so compelling that when in a decade, century or millennium,
we grasp it, we will say to each other, how could it have been
otherwise? How could we have been blind for so long?”***



THE SUPERNATURAL ORIGIN OF THE UNIVERSE

In a series of lectures delivered before 1996, Hawking made some of his most remarkable views about the universe that, however, have not been widely publicised, although they are extremely revealing in terms of his philosophical feelings about the ultimate origin of the universe. Some of the views expressed in those lectures do not reflect the atheistic views sometimes associated with him and with his philosophy of existence, but they are intellectually very pertinent, even in our current period, and will always be so in human philosophical and scientific history. We reproduce some of his views here:

- It was necessary to have a first cause for the existence of the universe as seen for instance in the cosmological tradition of the Jewish/Christian/Muslim theology.
- The question of whether the universe had a beginning is a theological and metaphysical issue.
- It seems that following Hubble’s landmark studies, the universe is known to be expanding, and therefore one would expect objects like galaxies in the history of the universe would have been closer together many billion years ago, so that in the earliest moment of the origin of the universe, the whole mass must have constituted a compact structure, at one particular place.
- From that observation, taken in conjunction with Lemaitre’s Big Bang, the universe has attracted cosmological, philosophical and scientific reflections.
- However, the view that time had a beginning at the initiation of the Big Bang, and that the universe had a beginning at the instant of the Big Bang is more fundamental, and will be referred to under the concept of the Origin of the Universe.

There is therefore a need for a comprehensive account of the scientific and philosophical history of the Universe and of Humanity, which we undertake in this book as far as possible. We have ensured our accounts are the most reliable intellectually. At the outset we need appreciate that mathematics and time expressed themselves at the very beginning of the Creation Act, that is, well before the “Big Bang”, that specifically refers to the flare-out that was the beginning of the exponential period of the expansion of the universe, as a sudden violent exponential inflationary expansion. Whether readers believe or not that the Big Bang was the beginning of the Creation Act of the universe is not the issue here: What the concept of the Origin of the Universe presented in this book says, is that there was a critical pre-Big Bang event that basically was the concept of the actual Creation of existence, and that event had to be a Supernatural Act, the elucidation of which requires explanations based on philosophy, metaphysics, quantum theory and relativity. That was where the fundamental ultimate metaphysics and philosophy of existence formed part of the Creation Event, where the issue of the integration of relativity and quantum mechanics was an important metaphysical phenomenon, without which there would be no universe and humanity. The introductory and basic Theory of Everything, presented by the author in his various academia.edu and vixra publications (2017) and in his previous book entitled “*In Search of Consciousness and the Theory of Everything*”(2017), was the first ever attempt to present the Ultimate Theory of Everything of the universe as the *Physics of Everything integrated with the Philosophy of Everything*, that basically sums up conceptually how the Supernatural Creation Act occurred as far as the Human Mind, created in the Image of God, would be bound to be capable of discerning. One can realise that this means there was a Metaphysics of the Creation Act that was the ultimate reality of the Creation Event, which we now see is what underpins our Relativity Laws and Quantum Theory, the Origin of Gravity and Antigravitation, the Higgs Mechanism, the Electromagnetic Force and Strong Force as well as the Weak Interaction, all of which would not exist without a deliberate and Metaphysical Supernatural Design: The Supernatural Creation Act that prompted the Origin of the Universe and of Humanity in the Image of God.

It is now possible to appreciate that Lemaitre’s Big Bang, usually seen as the concept of the origin of the universe, was actually the beginning of the exponential expansion of the universe, a topic described in one of the author’s papers available on vixra, as 1309.0152 of 2014. It is clear it is scientifically very challenging to conceptualise what metaphysics occurred in the minutest fraction of a second, before the Big Bang started to flare out. That is what the Theory of Everything, in

principle, is expected to explain cosmologically, physically and philosophically. That was where the metaphysics that underpins Quantum Theory and the Physics of Relativity occurred, for the briefest moment, in an instant of Timelessness, comparable to Henri Bergson's *"Timeless Consciousness"*, that we humans do experience momentarily as a timelessness we hardly ever appreciate, when we are lost in deep moments of reflection about some profound subjective thoughts on any issue. However, when we do have these moments of timeless subjective mental concentration, we appear to lose all connections with everything around us, to suddenly wake up in real time, to realise we were momentarily lost in our deep reflections, away from everything. These timeless moments of deep thoughts happen to most humans, except that we don't usually make a fuss of them, although philosophically, they are the greatest of moments, due to being timeless, which is akin to metaphysical existence, and not to the physical realities of existence. It is possible that timelessness is a basic feature of the Supernatural, in ways we cannot quite understand, for it is about metaphysics, not physics. However, the fact we humans do rarely experience timelessness is extraordinary and may be what we call in science a kind of atavistic experience, that is a part of us which does not really belong to us, but perhaps to the Supernatural. Timelessness possibly occurred at the instant of the Supernatural Origin of the Universe, that physicists usually refer to not as a timeless instant, but as a time period of a *"trillionth of a second"*, ready to flash, as the Big Bang flareout, that initiated the exponential expansion of the universe. We will later refer to that extraordinary moment of the origin of the universe to explain the universal conundrum of Dark Matter and Dark Energy in our physics of the universe, believed of comprising 95.1 percent of the matter energy density of the universe, which they in fact do not, as they really represent non-material realities which are essential aspects of the physical and philosophical nature of the universe.

The Supernatural Power devised what to us appears to be an unbelievable set of knowledge of metaphysics and of metaphysical forces to create the universe in such a way that explains the Biblical belief according to which Humans have been created in the Image of God. Creation in the Image of God has an awful lot of meaning in terms of the ultimate nature and significance of the Creation Act and of humanity, so that Humanity would somehow realise they are a part of the Ultimate Existence, one of the philosophical reasons why the Afterlife Soul most probably does exist. One needs to also ponder that the Human condition having been created in the Image of God is heavy with significance: Possibly Consciousness, and Supernatural existence could both be timeless, thus creating

the view that surely the Supernatural Dimension could only be a Timeless and Mathematicsless Infinity and Eternity, which we cannot concretely visualise in the human mind, although we can appreciate that Humanity and the universe must have been created in God's Image, so that our laws of science have to be imbued with philosophy, time and mathematics, as well as with a combination of determinism and indeterminism to make entropy and evolution vital aspects of existence. When the timeless dimension of the Supernatural Metaphysics created the universe, that was as well the moment humanity was conceived to be natural existence, with our material, scientific and philosophical nature. We therefore are somehow answerable in terms our role in existence, in one way or another.

Vatican Astronomer Guy Consolmagno

“And so, it is very natural that those who believe in Genesis – the Jews and the Christians and the Muslims – should also support science as a way of getting to know God”.

OUR WORLD IN OUR UNIVERSE, A SUPERNATURAL MICROCOSM OF EXISTENCE

The mere fact that we on Planet Earth are now elucidating the origin and nature of the universe shows we are still at a very early period of our scientific and philosophical culture.

- However, the fact humans can understand the ultimate nature of the universe is of extraordinary significance.
- No wonder that Einstein said that the fact the universe is comprehensible is a miracle. However, it is within the aims of the Supernatural Creation that humanity would one day know how existence was conceived Supernaturally.
- The greatest cosmological mystery is obviously the manner of origin of the universe and of our realities. The universe has been the subject of spiritual, theological, philosophical and astronomical speculation since millennia. Under the Big Bang concept of Reverend George Lemaitre, formulated in 1927 and 1931, the universe was created as a minute reality, that expanded progressively to produce our universe. The fact there has been no scientific explanation, so far,

about how the Big Bang originated, points to the need for humans to extend their intellectual knowledge beyond science, to try to explore what the metaphysics of the beyond, for we humans have been created in God's Image. So, there must exist a scientific and philosophical concept of the Supernatural Origin of the Universe that humanity can discover in due course, although obviously it would be a real challenge.

- Although the Big Bang theory has not been scientifically substantiated since Lemaitre published his very brief papers of 1927 and 1931 to explain the ultimate origin of the universe, based on Einstein's relativity, most eminent physicists and intellectuals do believe the universe must have been supernaturally created, although how our realities of existence originated are intellectually difficult to elucidate.
- Modern physics has no accurate concept of how the forces and particles originated, nor about the ultimate physics of gravitation, of mass, Dark Matter and Dark Energy.
- Philosophers and theologians are concerned that unless we do elucidate our ultimate origin, humanity might lose a lot of her trust in fate and the peaceful and progressive future of existence, thereby creating wide scale moral disenchantment for humanity.
- However, the greatest spiritual disaster that a Godless universe can produce is the fact that existence might, in the decades and centuries to come, be seen as not being of Supernatural Origin, a terrible fate for humanity, wherever she exists in the universe.
- However, distinguished intellectuals like Johannes Kepler and William Whewell, were incredibly well inspired to have suggested that we humans have a bit of the Supernatural Mind, so that we would surely one day discover the manner the Universe and Existence came into existence. The truth is that, if we are not at all capable of understanding the origin of the Universe, the human mind could get bogged down in traumatizing and negative philosophical and theological thoughts about the meaning of life, in ways that surely over the decades and centuries could create enormous psychological and social uneasiness about human existence.

- Recently, the 2019 Physics Nobel Laureate James Peebles explained his uneasiness with the Big Bang concept that he felt could not possibly be the manner the universe was created. In other words, an ultramicroscopic mass could not have appeared somewhere and a certain specific place to abruptly explode to produce the universe. That remark is scientifically and philosophically sound, for not only there was creation of the total matter of the universe, but there were the scientific and philosophical issues of the how and why. This book deals with the why and how of the Supernatural Creation Concept, which will scientifically clearly show that the Biblical statement that humanity has been created in God's Image is perfectly justified, philosophically and scientifically.
- Since now we do know quite well how the Supernatural Creation of the Universe and of Existence occurred, we can describe the origin of human existence and of the universe in extraordinary details, that took years of intensive work to accomplish. The six hundred pages of this book is the second one by the author, for his first introductory book entitled *"In Search of Consciousness and the Theory of Everything"* was meant to prepare readers intellectually to be better equipped to understand this second book which is quite specialised intellectually.
- The author's books explain, as far as possible, the philosophy and science behind the existence, in addition to how the universe scientifically came into existence, based on metaphysical and physical theories, and we thus do explain, as philosophically and scientifically as possible, the following very elusive aspects of human knowledge:
 - What could have potentially existed before the creation of the universe?
 - Does nothingness exist?
 - Was there a natural or Supernatural Origin of existence?
 - Why was it not only plausible but likely there was Supernatural Creation by a Supernatural Mind?
 - Was there a philosophical and cosmological strategy for creation?

- Could cosmology and physics extrapolate scientific and philosophical arguments that support the Biblical verse that says we have been created in the Image of God?
- What is Consciousness and can we understand its origin?
- To be capable of substantiating the above objectives, surely we need a concept of the scientific origin of the universe and of existence that tells us how the following physical realities came to be: Space and spacetime; the forces; the particles; the laws of physics like quantum mechanics, relativity, gravitation, antigravitation, Dark Matter and Dark Energy, the accelerated expansion of the Universe. We also need to explain to what extent Einstein's Relativity and Quantum Mechanics are incomplete, for unless we are able to integrate them into one overall physics concept, it would be impossible to understand the mechanism of creation of the universe.
- If we are capable of explaining the origin of the universe and of existence, we will realise that scientists and doctors are justified to investigate After-Death and Near-Death experiences, (ADEs, NDEs) in search for clues about the occurrence of a Human Soul, projects which in fact are actively being pursued, at least since a few decades.
- Whether it is possible to have a philosophical/scientific idea of what could be the Supernatural, bearing in mind that great thinkers like Johannes Kepler and William Whewell were convinced that humans have a bit of the Supernatural Mind, and so would be capable of elucidating the manner of origin of the universe and of existence, in due course.
- Profoundly related to the study of the mechanism of origin of the universe and existence, is what could be ultimate nature of consciousness, scientifically and philosophically, and to determine whether the whole universe and existence is impregnated with consciousness, ideas that make a lot of philosophical, theological and scientific sense, in addition to the possibility that consciousness and the Afterlife Soul could be related Supernatural realities.

Clearly there are loads of important concepts and theories in the context of the origin and nature of the universe and, pertinently, some 12 years back, the author's relativity Law of the Proportionality of Relativistic Effects in Keplerian Orbits, that was recommended by Professor George Ellis, FRS, and Templeton Laureate, for immediate publication, provided the budding ideas that created the opportunity upon which the author embarked on an ambitious project to investigate and write extensively on the philosophy and cosmology of the ultimate origin and nature of the universe.

The Big Bang is a skeletal idea of how the Universe possibly arose, that Lemaitre derived quite correctly from Einstein's relativity, and it suggested that possibly the universe suddenly popped into existence, some 13.8 billion years ago, when a cosmic entity he called the Hypothesis of the Cosmic Egg or Primeval Atom, that exploded to produce the universe. However the Big Bang, since it was formulated nearly a century back, has remained impossible to be extended and elaborated into a concept of how the universe originated. Between the idea of a Cosmic Egg of unknown nature, and our realities of spacetime, the forces, particles, the galaxies and solar systems, planets, the biology, physics and chemistry of the universe and existence, lies an enormous regress of causes that followed from the Supernatural Creation Act, that took place 13.8 billion years back. Cosmological and physics studies have produced scientific evidence that there was very possibly a creation event some 13.8 billion years back, and in fact James Peebles, the 2019 Physics Nobel Laureate was one of the pioneers who studied and modelled the occurrence of very ancient sources of radiation, that occurred at the time of creation. However, it is still not at all understood how possibly the Creation Act materialised.

That is why philosophy and science, all over the world, are attempting to make the ultimate origin and the nature of the universe comprehensible, particularly since the initial decades of the 20th century which, nostalgically, marked just about the beginning of the modern scientific era of humanity. However philosophically and scientifically, what we currently know about the meaning of the origin of the universe and of existence is a collection of foundational concepts in cosmology: the Big Bang, the Anthropic Principle,

particularly the mysterious Dark Matter and Dark Energy and the Cosmic Microwave Background Radiation, the Expansion of the Universe, and other aspects of cosmology. The most dramatic of these cosmological theories and concepts is the Dark Matter Dark Energy complex of phenomena. In the minds of many scientists and technologists as well as of research leaders, Dark Matter and Dark Energy, believed to comprise 95.1 % of the mass/energy density of the universe, could have enormous implications for economic and technological exploitation, and no wonder there are loads of scientific studies and numerous capital-intensive projects all over the world, as nations frantically compete to be the first to elucidate the ultimate nature of Dark Matter and Dark Energy, if ever that will materialise. Numerous cosmologists and physicists are convinced that the ultimate nature of the universe will be settled when we elucidate the nature of Dark Matter and Dark Energy. However, ironically, by far the greatest unknown in existence is not Dark Matter or Dark Energy but the concept of the ultimate origin and nature of the universe such as: How and why did the universe come into existence; What are the explanations for realities like spacetime, forces, particles, energy, mass, gravity, antigravity, consciousness and of the so-called accelerated expansion of the universe. The why of the universe and of human existence is a metaphysical question, that can surely be more effectively understood and analysed after considering how the universe originated, another huge mystery. The Universe in fact could be metaphysical rather than a materialistic entity, and it would be a real intellectual miracle if can be established how and why the Universe came into existence, the main topics discussed in this book that include the scientific manner of the origin of the universe and of our realities of existence.

Elucidating the mechanism of origin of the universe surely would imply it is possible of elucidating the philosophy and science behind existence, knowing quite well that existence is not a fortuitous reality, but a deliberate reality. Existence surely must be supernatural, for the universe and humanity are far too complex and meaningful, implying we cannot brush them aside as accidental events. We are lucky the world now has a solid foundation of science and philosophy that together can start evolving a picture of the meaning of the universe and of existence, that can stimulate humanity to

face her philosophical, spiritual and scientific future with fortitude and optimism. The description of the Supernatural Origin of the Universe through an integration of philosophical and scientific reasoning, if achievable, would be the most superb concept of cosmology and of existence of our millennium, for it would not only be one of the greatest scientific and philosophical discoveries of humanity to date, but surely also would significantly be useful towards substantiating the world's theological concepts, two of which are: The Biblical verse that says we humans have been created in the Image of God, and the Quranic verse which tell us: *Read, for the Lord has given you the power of the pen.*

abed.peerally@gmail.com

