

# Fertilizing the Universe



# Fertilizing the Universe:

*A New Chapter of Unfolding  
Evolution*

By

Vir Singh

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Fertilizing the Universe: A New Chapter of Unfolding Evolution

By Vir Singh

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My wife Gita Singh, daughter Silvi Siddhu, and son Pravesh Singh Siddhu constantly nourish me with their unconditional love and make my environment lively, beautiful, and vibrant with creative ideas.

**Vir Singh**

## FOREWORD

The book by Professor Vir Singh is not an ordinary one. It is original, deep, and even profound. Its range is astonishing. Great books are distinguished by the fact that they are multi layered. How should you read this book? Intelligently, not necessarily page by page but by choosing parts that appeal to you.

Sooner or later you will discover that all the various layers are interwoven. Indeed, you will discover that the book is a supreme example of majestic holism. The cosmic unity is quite clear throughout the book. It is not a static unity but a radiantly Evolutionary one.

“The Self-Fertilizing Universe” is a precious gift given to us by Vir Singh—with an Evolutionary verve. For at least two reasons, I must restrain myself in order to not say too much about the book. The first reason is that the book must speak for itself, and it does. The second reason is subtler: Vir Singh has been my disciple for some years.

At this point, I need to report that we are witnessing an extraordinary situation, in which a very talented disciple has transcended his master. I am saying this in a straightforward manner in order to declare my pride and, I suppose, also his pride. Vir’s invention of a new philosophy called, “Fertilizing the Universe”, has entered a new realm of human enquiry.

So, where are we? In a joyous situation in which we can celebrate a new vision of the Universe in its budding stages; nay, in its major contours; nay, in its promise to deliver fulfilling forms of life and also new vehicles for reading the Cosmos.

**Henry Skolimowski**

## PROLOGUE

### FERTILIZING THE UNIVERSE: SEEDING THE IDEA

The seed idea of Fertilizing the Universe was plucked from an e-mail of Prof. Henryk Skolimowski on February 10, 2008. The subject line of the mail read: **Fertilizing the Universe**, although the content was entirely different, with no word in the message about its subject. The idea in the subject line was enchanting and reflected some deeper core of the truth, which generated a response from me, the author of the book, in the form of the mail reproduced below.

*Dear Henryk,*

*The subject of your mail is beautiful: **Fertilizing the Universe**. It is not just a simple phrase or an idiom; it is a wonderful theory, Henryk. The Evolution of Earth in the Universe, the transcendental development of Life on Earth, and the emergence of Earth as a Living Planet exemplify the fertilization of the Universe.*

*Cosmic scale is different from our (anthropogenic) scales. You can rightly smell the fertilization of the Universe in the folds of Evolution much ahead of its actual ushering in, which might, perhaps, happen in millions or billions of years from now. You are, undoubtedly the first person to have foreseen it. Congrats, Henryk. Evolution will transcendently take the Universe into that state in due course of Time (Time according to a cosmic scale; our whole lifetime is just a twinkling of the cosmic times).*

*Charles Darwin in his “Theory of Evolution” made an attempt to fragment our Universe in our minds. He saw the Evolution of life on Earth as an isolated phenomenon, and, therefore, also tried to annex our Earth from the Universe. He was parochial in his approach. Your idea of Fertilizing the Universe is a pragmatic one, for it conceives of the whole family of the Earth without which annihilation of the Universe is imminent.*

*Sustainability too was not conceived in a cosmic context. Brundtland's myopic vision could not help her look beyond "sustainable" development. The real pragmatic issue of sustainability (if analyzed through cosmic integrity) is tied with the Universal phenomenon. Sustainable development is merely a thread of the living systems of the Earth. There is no room for the sanctity of life in this concept of Brundtland's. Skolimowskian Theory of Cosmocracy conceives of the sustainability of the Universe as a contribution of the living Earth. Sustainable development on Earth should emanate from this phenomenon. If there is no enhancement of life on Earth, sustainable development would have no meaning. It would be unsustainable and would die a natural death. Life on Earth is an attribute of the Universe. The sustainability of our systems is thanks to blossoming of life, and life which, according to the Skolimowskian Concept of Cosmocracy, combats the extremely devastating cosmic entropy (that has power to tear our Universe apart or to put it in the state of the "divine doldrums") and helps to put our Cosmos in balance.*

*Sustainability is sustainability: a phenomenon that holds our systems, our planets, and the whole Universe in balance and in a healthy, vibrant, and Evolutionary state of being. This phenomenon cannot be seen in fragments. The sustainability phenomenon is also tied with the Evolution of the whole Universe.*

*It is our duty, therefore, to ensure that Evolution is successional. That, in turn, would be ensured when our planet—the most beautiful Blue Planet of the Universe—is laden with plentiful life, the climax of life. Evolution is not segmented and never stops. The Evolution of life on Earth is intricately woven with that of the Universe.*

*Life continues to be in Evolution. But life on Earth, haplessly, is at the dictates of the human species. The Earth is becoming a monoculture of a single species—the human species—and this is not conducive to its Evolution to the climax stage. Evolution is not always successional, it might be retrogressive (such as the conversion of a forest area into a desert). If the human species does not obey the Evolution of life by keeping Evolution in a successional order, it would amount to an irreversible disservice to the living Earth, and to the Universe's longing for its fertilization. Since the human species is not isolated from the laws of the Universe, it would also amount to the irreparable loss to this species with the high probability of its extinction.*

*The Skolimowskian Theory of Cosmocracy is very convincing when it highlights the pivotal role of the living Earth in maintaining the balance of the Cosmos by combating the devastating cosmic entropy. This theory cannot be disputed by anyone. Even biologists, ecologists, cosmologists, astronomers, and philosophers would support the Skolimowskian Theory (congrats, Henryk). This theory would further support your notion: Fertilizing the Universe. This is not merely a notion. This, let me say it again, is a wonderful theory to work upon.*

*The Universe needs to be fertilized. Evolution would do it in the due course of the Universal Time Scale (let me abbreviate it as UTS). Who would celebrate this fertilization of the Universe? Of course, we the human species, Homo sapiens. The theory of fertilizing the Universe is as follows:*

- 1. Natural Evolution always tends to be in its successional track and destined to attain a climax.*
- 2. The climax of the Evolution of life on Earth would be a precondition to the fertilization of the Universe.*
- 3. The fertilization of the Universe would amount to dispersal of the seeds of life after climax of Evolution of life on Earth and, in due course of UTS, the blossoming of Living Galaxies hither and thither in the vast and infinite Universe.*
- 4. The Living Galaxies would help absorb universal entropy and put our Universe into the state of sustainability.*
- 5. The supreme responsibility for the fertilization of the Universe lies with our species. Earth—and therefore its climax species: Homo sapiens—will be at the heart of the fertilization of the Universe phenomenon. The fertilization of the human mind with eco-philosophy will be phenomenal with regards to the fertilization of the Universe.*

*This theory of yours, which still needs to be elaborated upon and articulated, is one of your nicest gifts to the humanity in the Third Millennium. Thank you, Henryk.*

*With my kind regards and love to you,*

*Yours sincerely,*

*Vir Singh*



My above response to the subject of Henryk Skolimowski's mail came up with a new turn for me. The following year, in March 2009, there was a symposium on the **New Horizons of Sustainability** at the India International Centre, New Delhi. On this occasion, Henryk Skolimowski's new book *Let There Be Light: Mysterious Journey of Cosmic Creativity* (Wisdom Tree, New Delhi) was to be released. Henryk asked me to present a paper on the theory of fertilizing the Universe. This was a challenge for me. In the beginning I was a bit hesitant. I thought the subject was too difficult for me to articulate in a speech. But I had to obey Henryk. I began thinking deeply about the idea Henryk gifted me with: fertilizing the Universe. It took me a couple of months and I came up with a 29-page write up of the lecture titled, "Fertilizing the Universe: Sustainability as a Cosmic Quest". Thankfully, it received Henryk's appreciation.

My lecture on the topic at the India International Centre may not have been impressive, but the idea became deeply ingrained in my mind. I was continuously pondering over the idea. Subsequently, Henryk asked me to revise the paper on fertilizing the Universe. I kept on working on the idea. The idea continued to establish its roots in my mind. In 2010, in Rishikesh in India, Henryk set a 25 year-long agenda for me with the aim of furthering and unfolding the idea of fertilizing the Universe.

"All is One" is one of the central thoughts in the Skolimowskian philosophy. Those who trust in the oneness of the Universe also trust in oneness of the humankind. It is such an inspiring thought! Who is rooted in oneness attains perfection in yoga, as Lord Krishna says in the *Bhagwad Gita*:

*The man who sees me in everything  
and everything within me  
will not be lost to me, nor  
will I ever be lost to him.  
He who is rooted in oneness  
realizes that I am  
in every being; wherever  
he goes, he remains in me.  
When he sees all beings as equal  
in suffering or in joy  
because they are like himself,  
that man has become perfect in yoga.*

The principle of “All is One” in the Skolimowskian philosophy has been vital for me to look at everything as an integral part of a common phenomenon of cosmic creativity. The fertilization of the Earth with life also emanates from the cosmic oneness. This oneness is all-potent in order to replicate life on other planets of solar family, and on the planets and moons of other stellar families.

The fact that I am continuously fed by the Skolimowskian philosophy is a matter of pride for me. This philosophy nourishes me, enlightens me, empowers me, and helps me articulate my ideas. This philosophy makes me dance with joy. This philosophy happens to be a source of infinite joy. So, my interest in the subject has grown continuously. I link and relate everything with everything else. I worked on the non-thing—the energy—that makes everything a thing: an entity of the Cosmos. This everything and non-thing is Light. Light is all and all is Light. Skolimowski’s Lumenosophy has attempted to unfold all the creative powers of Light, which has provided a source for me to illuminate everything. All streams of creativity flow from the Lumenosophy: the philosophy of Light.

I have worked on this project, this book, in your hands for about ten years. With the passage of Time the idea of fertilizing the Universe transformed into a theory: the fertilization of the Universe. Through this phenomenon emerged a picture of the Living Cosmos: a deep quest for Cosmic Evolution. The all-pervading factors of Cosmic creativity bring together all creativity in unison. Light is the source of all Cosmic creativity and this creativity is Evolutionary. Sustainability, the universal phenomenon, is a cosmic quest and it continues to consolidate as the Evolution goes on. Sustainability, in essence, is a footprint of Evolution. The Evolution of an individual, of the Earth, and of the whole Cosmos revolves round a single axis. The Evolution of life on Earth—or of the Living Planet—is a Cosmic attribute and contributes to the enhancement of Cosmic sustainability. Evolution advances towards living systems and so does sustainability. The Evolution of life cannot be confined to Earth. From here, Evolution is destined to create life on other heavenly bodies—planets and moons—and thus spread the seeds of life elsewhere. This will occur through fertilization of the Universe on a Cosmic Time Scale.

On the command of Light and in pace with time, the Evolution in its mission of fertilizing the Universe desperately needs the assistance of its most pristine creation: the human being. Humans are extraordinary and embrace all virtues of Light and have the power to articulate these virtues. This is how the Evolution has destined itself: through humankind.

Humankind has been conferred with the most extraordinary gift of the Evolution—the mind—and is, therefore, destined to compliment the cosmic creation of the Light-Evolution-Time Trinity. Yet, the human species is in its own Evolution and is still to realize its creative potential to act with the omni-present cosmic power: Light, Evolution and Time.

*Fertilizing the Universe* attempts to propose a new theory of the Evolution of life beyond the Earth. The matrix of the book is structured in 16 chapters, all imbued with interconnected matter that explains the new theory with sequential strokes of terrestrial, human, and cosmic factors that have Light at the heart of the phenomenon of Evolutionary creativity destined to fertilize the Universe in accordance with the Cosmic Time Scale.

Planet Earth is an integral part of the Universe. The Evolution of life on Earth is an attribute of the whole Universe. The coming of life on Earth was the first ever event of the fertilization of the Universe. This event of historical significance for the Universe transformed Planet Earth into a Living Planet. It struck the cosmic energy systems. A proportion of the cosmic energy turned into entropy, thereby placing the systems and things in disorder and jeopardy but this was overcome by life on the planet. The Living Planet, therefore, is constantly combating cosmic entropy and contributing to the balance of the Universe. The first historic event of the fertilization of the Universe happened to impart the stability, balance, and coherence that are essential for the Universe to advance towards sustainability.

The sustainability of an individual species, of all species, of life as a whole, and of the Living Planet follows the same process. In the same way the sustainability of Earth and of the Universe as a whole is also a common phenomenon. Darwin's Theory of Evolution attempts to present Evolution in a slice. His theory of natural selection keeps Evolution confined only to the Earth. The Earth is kept isolated from the Universe. The integrity of the whole Cosmos has not been touched. He also attempts to describe Evolution in a simple linear fashion as if cosmic factors were not involved in the process of the Evolution of life on Earth!

Sustainability is not static. It is attainable through a dynamic process, which is both successional and transcendental. When in the state of sustainability, simplicity advances towards complexity, fragility towards resilience, monoculture towards diversity or heterogeneity, diversity towards extreme diversity, all eventually turning into an ecological climax,

a state of the things, structures, and systems in perfect coherence, harmony, and balance. And ecological climax is beautiful and sustainable. Also, what is sustainable is climax and beauty. What is most beautiful is the climax and it is also sustainable.

On Earth, the ecosystems harboring living communities of plants, animals, and microorganisms are sustainable when they are in the state of ecological climax of their Evolution. Climax is also not an end for Evolution. Nor is the climax an ultimate goal of Evolution. Climax, at any point in time, is the highest plane or situation of Evolution in which life searches new modes of creativity of its own. A climax situation is beauty-laden and helps life elicit new dimensions of creativity. When ecosystems bloom with life at its climax (the ecological climax), the biomes, the higher levels of life's systems, are also in the state of sustainability. The blooming biomes are a condition for the sustainability of the whole of biosphere and a biosphere reverberating with life at its fullness is a must for the sustainability of the planet Earth. The Living Planet is a member of the whole family of the Universe. Having infused life into one of the members of its solar family, the Universe is destined towards the next historic event of its fertilization: extension of life to other members of the Universe Family.

Light, the source of all sources and all creativity, is destined to create life and fertilize the Universe. Light first created the Universe and then, with its capacity for transformation, began changing mooring lands into green habitats, sowing the seeds of life on Earth. The omnipresent and all-pervading Light has to play its potent role in other destinations of the Universe on which it falls. The Universe is a photosphere (or Lumenosphere) and the photosphere, as a universal law, is creative. The creativity of the photosphere is destined (on the Cosmic Time scale) to transcend into life.

The Evolution of human species is not for nothing. Evolution did take millions of years to arrive at its superb creation: the human being. Evolution has made humans its natural ally in furthering the cosmic revolution to be witnessed by the fertilization of the Universe. Human powers of conscience, ethics, aesthetics, spirituality, reverence, responsibility, imagination, hope, love, joy, justice, knowledge, wisdom, compassion, participation, and correct actions are pivotal for the unique creativity that leads to sustainability at every level and which enters into arrangements/ rulings like cosmocracy (a democracy with cosmic proportions).

The theory of the Apoptosis of the Earth, or the Theory of Gloom, only suggests that the human species plays a destructive role that leads to the annihilation of life and life processes, evident from the current scenarios of deforestation, desertification, species extinction, global warming and, more recently, climate change. But recognizing this theory would amount to questioning the powers of Light and Evolution and mean the denial of the superior and creativity-igniting qualities of humanity. The theory of the Apoptosis of the Earth is full of hopelessness and should, therefore, be dismissed. Instead, the theory of Fertilizing the Universe, which I also call the Theory of Bloom, upholds the integrity of the Cosmos of which the Planet Earth is an indistinguishable member.

Ushering in a sustainable future (i.e., the future to be witnessed by blossoming and flourishing humanity) is a quest for our time. The concept of a sustainable future instills in human beings a sense of care for the whole of life, for future generations, and for the whole Cosmos. It also directs us to pursue the strategies and tactics of life that lead to the blossoming of humanity among the blossoming of life. Fertilizing the Universe is an urge of the Universe itself to usher in a sustainable future.

The Light-Evolution-Time-Human Power is decisive in fertilizing the Universe, a potent process of the cosmic sustainability. The climax of life (i.e., biodiversity at its extreme) on Earth is a precondition for the fertilization of the Universe. The fertilization of the human mind with Skolimowskian eco-philosophy and the philosophy of Light (Lumenosophy) is of paramount value to make the fertilization of the Universe a reality through the Cosmic Time scale. The Skolimowskian eco-philosophy and Lumenosophy will then embrace a new cosmological metaphor: THE UNIVERSE IS A SANCTUARY.

*Fertilizing the Universe* invites human beings to cultivate all the virtues within what the all-potent, all-creative, and all-benevolent Light offers, and instructs them on what will help them elevate themselves in order to become an ally of Light, Evolution and Time in the phenomenon of fertilizing the Universe. It will also allow them to partake in cosmic creativity. The book calls for the establishment of new social orders, like Lumenarchy (the ruling of Light) and Cosmocracy (democracy at cosmic level), which would invest human beings with the utmost responsibility to help Evolution realize its climax of ecological affluence on the Earth, as well as dispersing the seeds of life to other planets and helping to replicate biospheres.

Henryk Skolimowski assigned me the greatest responsibility on 10<sup>th</sup> March 2015: “You are the guardian of all matters. Your estate is the whole Cosmos.” I earnestly and whole-heartedly accepted this delightful and challenging notion and promised him, albeit silently, to take up this responsibility. This book is also a humble effort to fulfill this sweet responsibility. *Fertilizing the Universe* is a call for Evolutionary beings of Light to be responsible as the guardians of life, of the Living Planet, and of the whole Cosmos.

## CHAPTER ONE

# INTRODUCTION—LIVING IN ONENESS: AN INTEGRATED AND FERTILE UNIVERSE

*This Universe, in truth, in the beginning was nothing at all. There was no heaven, no Earth, no atmosphere. This being, that was solely non-being, conceived a wish: 'May I be.'*

—Taittiriya Brahmana, 2.2.9.1

The human mind has never been baffled by anything as much as it has been by the Universe. All aspects of the Universe have always been a puzzle for human beings. Even the giant leaps in science and technology have not satiated our quest about our Universe. We are always so imaginative about our Universe! No scientific invention could ever satisfy our imaginations we unceasingly cultivate to understand everything about our Universe. The more we understand our Universe the more we feel ignorant about it. The whole Universe, in essence, is seated firmly in our minds and tempting us to solve its mysteries.

Science and technology have only led our thinking to analyze the whole Universe as a big machine and the Living Earth merely as an independent entity of the Universe. Charles Darwin's much acclaimed theory about the Evolution of species in his classical work, *On the Origin of Species by Means of Natural Selection, or the Preservation of Favored Races in the Struggle for Life* (1859), simply alienates the Earth from the Universe. As if life is an attribute of itself, not that of the Universe! As if Evolution begins and ends up on Earth itself! As if the Universe is dispensable for both life and for the Earth!

No room in our thought system is left to realize the symphony of the whole Universe and the vibrations of the Living Cosmos. Ideas about the realities of life, of the Living Planet, and of the Universe bear no roots of interconnectedness and of coevolution. We feel cut off from our own Universe. As if the Universe is nothing to do with the life and with the Living Planet! As if our life and our Planet can exist in isolation and unfed

by the Universe. Our economic systems have emerged as the final source of pride in our existence. These systems have further marginalized human life by making human beings dependent on the indiscriminate exploitation of everything else and alienating us from the rest of the life forms that have been coexisting on Earth. The human species is emerging victorious in the “Human versus Life War”; however, this victory is only pushing the human species towards doom.

It is also claimed that science and technology are basically responsible for our deeper understanding of the Universe. But it is not true. The Universe has been one of the most interesting subjects of discussion in our societies for thousands of years. We have been extraordinarily rich in our knowledge about cosmology. Our ancient scriptures are replete with the wisdom about the Universe. We have developed our calendars based on the positions of celestial bodies: planets, moons, and stars. We can exactly calculate the positions of all the planets and moons and, based on that, we can easily and precisely forecast celestial events, such as lunar and solar eclipses, the Venus transit, and so on. Our deeper understanding about our Universe helps us to link the deeper interest of human mind in celestial bodies and in the ever-increasing quest to exploring the Universe as much as possible. Astronomy, astrology, futurology, and so on have been developed based on our deeper understanding of the Universe. This understanding of the Universe has already arrived in an extraordinarily advanced form much earlier than the advent of science and technology. Although, of course, the space programs operating in our contemporary world, especially NASA’s, have significantly added to our understanding about our Universe.

Human beings have always been inquisitive about extraterrestrial life. A flash of news about possibility of life beyond Earth or the talk of the aliens fascinates the human mind. The deepest core of the human wishes to know that there is life elsewhere in the Universe. When we hear about the presence of water, the atmosphere, or organic matter on any other planet or moon, our hearts dance with the utmost joy. “We are not alone” has become a metaphor underlying the unquenchable quest of knowing some other planet is also vibrant with life like our Earth. The human mind has been nurturing the hope of “Other Earths” out there somewhere in the Cosmos. Any evidence of, or talk about, the possibility of life somewhere on other planet in the Universe brings a new shine to human eyes. We feel as if we get new lease of life on Earth. Hope has rather implanted itself in the human mind making humans ever curious, inquisitive, vigilant,



watchful, and hopeful about life beyond Earth. Hope sustains itself to satiate the human quest of seeing life expanding beyond Earth.

Sustainability needs to be redefined, for it cannot be confined merely to certain socioeconomic development systems that follow certain development models based on the reconciliation of development with the environment. Although the concept of “sustainable development” emerged from the Brundtland Commission Report, *Our Common Future* (1987), is a relatively new paradigm of socioeconomic development, linking it with the future is an aspect worth pondering over. Sustainability should essentially look deeper into the distant future. Sustainability should essentially emphasize, and aspire to, a sustainable future: one that flourishes with happy, healthy, vibrant, and creative humanity. This is possible when the whole of life is sustainable, which, in turn, is possible only when phenomena of life are well-nurtured in order to ensure the sustainability of the entire Living Planet. The sustainability of the Living Planet is an attribute of the Universe itself. Therefore, the concept of sustainability should be extended to the whole Cosmos. Sustainability is not just a final goal. It is a continuous journey the Cosmos attempts to attain, strengthen, and advance along towards the climax of its creativity.

### **The Evolutionary Journey for Cosmic Sustainability**

The Evolution of life in the course of the Evolutionary journey of the Cosmos—in the form of the Living Planet Earth—is a distinctive cosmic design of sustainability. A Living Planet in a dynamic and constantly evolving Universe was a must for the cosmic Evolution to counter cosmic entropy and strike a cosmic balance. Maintenance of this balance of the Cosmos and dancing with its celestial bodies necessarily required the Evolution of more and more life (as revealed through the ever-increasing biodiversity throughout the Evolutionary history of the Living Planet) and more and more higher forms of life (as revealed through more conscious forms of life among animals).

Evolution attempted to create the most intelligent form of life—the human being—and transformed this species, through continuous Evolution, into a master of the whole of life.

The next step for Evolution was to instill, in the human species virtues, such as a high degree of intelligence, wisdom, power of actions, love, creativity, and so on. Philosophy and other creative arts, Dharma and yoga, liberation and freedom, democracy, and so on are the other feats of

human's social-cultural Evolution. Amazing human comprehension, mastery over the Planet, and continual ascent from one glorious act of progress to another unfolds the designs of cosmic Evolution to elevate humans to a state of a cosmic being: one that is all-pervading and co-creative with the Universe itself.

### **All is Light; Light is All**

This wonderful Universe of ours is a Lumenosphere: home of Light. It is the Light that keeps the Universe going. It is the Light that keeps all universal phenomena going. It is the Light that transforms itself into living form. It is the Light that holds the whole Universe in balance. It is the Light that keeps all out there in an integrated oneness. This Universe is in existence owing to Light. This Universe exists while Light is there. And Light, of course, is eternal. It is always going to be there. It is always going to sustain everything else in the Universe. It is always going to evolve everything there is.

Light is the mother of Evolution and Time. Light, Evolution, and Time are all-pervading and omnipresent. Nothing can evade the universal effect of Light. Nothing in this Universe can evade the change Light, Evolution and Time together are bound to induce.

This Universe is full of energy of Light. It is the energy that works. And it is the Light due to which everything works. It is the Light due to which everything keeps evolving. It is the Light due to which everything is renewing itself. All kinetic energy of the Universe is owing to Light. All the potential energy of the Universe is owing to Light. All the sounds in nature are owing to the energy of Light. All living energy is a form of Light. All forms of energies in the world and in the Universe have borne out of Light.

All planets, all moons, and all heavenly bodies are but the accumulated dust of the Cosmos. And this dust is the outcome of the stars emitting Light. The Universe attains its structure, shape, functions, and creativity due to the Light. All celestial bodies—the planets and the moons—are in constant movement thanks to the energy of Light. All bodies in the Cosmos attract each other by means of gravitation: an attribute of the electromagnetic Light.

The rotation and spinning of the Earth around the sun is itself a play of Light. The water cycle in the biosphere—evaporation, condensation,

rainfall, snowfall, hailstorms, and so on—is a trick of the Light. Climate is due to the nature of Light. Seasons and weather are diverse moods of Light. All life is an Evolutionary boon of Light. The whole of the biodiversity on Earth is a beautiful flowering of Light. All food is the benevolence conferred on living organisms by Light. All biodiversity of innumerable kinds of plants, animals, and microorganisms, as well as all food chains, all food webs, all ecological pyramids, all ecosystems, all species, all genotypes, all colors, all aromas, and all scents are various astonishing forms of Light.

The human species is an Evolutionary ascent of Light. The human mind is an Evolutionary epitome of Light. All logos, all religions, all faith systems, all cultures, all knowledge, all wisdom, all thinking, all understanding, all words, all languages, all etiquettes, and all ethos are various manifestations of Light.

### **Life Bloom in Diversity**

The history of life's Evolution reveals that life has been continuously adding to the varieties we call biodiversity. Biodiversity exists and flourishes with various organizations of life. A single species prospers in many varieties. Some species yet have numerous genetic forms. Therefore, a single species spectacularly exists in numerous forms by means of variations in their genetic makeup. None of the countless species of organisms can exist in isolation. A species depends on several other species for its food and the other essential needs of life. Several species of plants, animals, and microorganisms mutually exist and are dependent on each other and share a common place in a coherently perfect organization called community. While sharing a common place, or the area we call the ecosystem, in which food chains operate and a complex system of energy flows, the community embraces a certain distinctiveness from all the other communities that prosper in the ecosystems. Thus, a considerable and marvelous diversity exists among all the ecosystems of the Earth, thereby, constituting a biosphere reverberating with life.

The whole life, in essence, is more than the sum total of all genotypes, species, and ecosystems. Life embraces all life processes of the Living Planet and a cosmic phenomenon creating, brooding, regulating, conserving, evolving, enhancing, and sustaining life. However, biodiversity is a measure of the overall solidarity and integrity of life, and itself complements a cosmic phenomenon in connection with the Earth's living processes.

Biodiversity substantially enhances the resilience of ecosystems and, therefore, the sustainability of life. We should not look at biodiversity as a natural resource of consumptive and non-consumptive values. We should rather uphold a reverential attitude towards all forms of life and marvel at biodiversity as an attribute of cosmic Evolution driven by cosmic Light. The human species can blossom endlessly only amidst richness of life. Our sustainable future and our happiness emanate from the whole biodiversity. We are also an integral part of this biodiversity. Protecting, conserving, understanding, and enhancing biodiversity is our Dharma, for we are not just a tiny part of biodiversity, but also guardians of all life forms on Earth.

### **Biosphere: The Glory of the Lumenosphere**

Lumenosphere or photosphere—that is, the Cosmos—in its mysterious Evolutionary journey has given birth to the biosphere. Fueled with Light, the biosphere is a glorious creation of Light itself. Reverberating with life, the biosphere is a wonderful oasis of the photosphere. In the biosphere, Light has spelt its creative wonders. Light has flashed all its shining colors in all living and non-living objects in the biosphere. Innumerable forms of all living creatures, the human world, cultures, virtues, and wisdom are visible in the biosphere and are all the wonders that Light has exploded into in the biosphere.

It is not Light alone that has evolved biosphere out of the Lumenosphere as Evolution and Time exquisitely co-created with Light to help form it. The biosphere is, in fact, an integrated living Lumenosphere in which Light dwells in its living avatar. The whole of the biosphere is a living “seed” of the Lumenosphere and has the vigor to replicate itself through the Light-Evolution-Time co-creativity.

### **Humanity: A Revolution of Evolution**

Cosmic Evolution always advances towards its climax through its ever-higher levels of organization. The Evolution of intellect is an outstanding phenomenon of the cosmic Evolution. When the first spark of Light originated towards the creation of the Lumenosphere, Evolution and Time became destined to evolve the hierarchal orders of intellect. In this course, Evolution designed the human species. This is the arrival of Evolution at the stage of climax. The climax itself is open-ended and comparatively more stable than less intelligent forms of Evolution, but always evolving with the hierarchical virtues of intelligence. The transcendental Evolution

of the human species after entering the intellectual stage of Evolution's climax is the phenomenon of cosmic design called, cosmologization. Human cosmologization is a vital Evolutionary phenomenon of human empowerment and a step towards enabling the Cosmos to expand its wings and fly from one planet to another.

The Cosmos is intelligent in itself. Humans' descent to Earth and continuous intellectualization of the species is evidence of the further transcendental intellectualization of the Cosmos itself. The Evolution of humanity, therefore, is a revolutionary feat of the Universe. This cosmic intellectualization, via human intellectualization, has led to the creation of another sphere I call Nousphere (the Greek *Nous* means mind or intellect). Nousphere is larger than the biosphere and continuously expands with the increased intellectualization of the human species.

## **The Mind: A Great Splendour of the Universe**

The greatest grandeur of the Universe reveals itself through the greatest feat of Evolution: the mind. The mind is given to the most intelligent creation of the Universe: the human species. This intelligence is not an entity in itself but an attribute of Evolution. The mind is the most celebrated triumph of Evolution. The best of the universal Light flows through the mind, works through the mind, and creates through the mind.

The brain is the biological organ of the mind. Through its tentacles the mind attempts to link itself with everything else in this Cosmos. The brain is the master of the human body. It orders, regulates, controls, monitors, and balances all bodily actions. The mind is empowered with thinking, reasoning, and articulating. The mind is devoted to intellectualization and this intellectualization is a quest of the intelligent Cosmos. The mind perceives everything happening and everything becoming. It is superbly empowered with creativity. It attempts to understand and unfold all mysteries of the world and of the Universe. It keeps creating a sphere—the Nousphere—for itself to work, to unfold, to create, and to celebrate. The Nousphere crosses the limits of biosphere and keeps enlarging with increase in human understanding. When the mind comes to unfold mysteries of the Universe, the boundaries of the Nousphere will be equal to those of the Cosmos.

The Evolution of the mind is undoubtedly the most significant, the most extraordinary, the most marvelous, the most astonishing, the most fascinating, and the most outstanding accomplishment of the Cosmos.

Before the Evolution of mind, humans were mere Earthlings. With the further Evolution of the mind and with the continuous enhancement of its powers of understanding, exploring, unfolding, creating, and the subsequent enlargement of the Nousphere, the human species is becoming a cosmic being.

### **Bloom of Beauty**

One of the most striking features of the Evolution is that, through its nature of succession, it creates beautiful objects as well. Beauty is the bloom of Light. This Universe was not so beautiful at the beginning of its origins. The Light began synthesizing beauty. Every step of Evolution was a flash of beauty imparted by Light. The well-ordered spinning and rotation of the planets makes them dance in balance with the stars; it is so beautiful to think about that initial state of the Universe in our pursuit of a higher order of sustainability.

Beauty is a motive of the evolving Universe. Liveliness is more beautiful than the non-liveliness. With the origin of life, beauty wrote a new and extravagant story of Light. As life went through higher orders of its existence and began to blossom with diversity and resilience, beauty kept consolidating its reign over the Universe.

Beautification is a sweet intention of the evolving Universe. Beauty is an inheritance the cosmic Evolution in its unceasing journey leaves behind. The human species provokes the revolution of beauty because they cannot live without beauty. All human virtues that are more evolved are various forms of beauty. Light is beautiful; darkness is not. Truth is beautiful; lies are not. Wisdom is beautiful; ignorance is not. Sanity is beautiful; insanity is not. Greenery is beautiful; barrenness is not. Right is beautiful; wrong is not. Justice is beautiful; injustice is not. Life is beautiful; death is not. Heaven is beautiful; hell is not.

Beauty is an unquenchable thirst within Evolution. The further it moves, the more the beauty it weaves. Higher orders of life—that is, more sustainable forms of life—are more beautiful. The climax of the living systems (for example a virgin forest) is more beautiful because it is more sustainable. Symbols of life are beautiful; symbols of destruction are ugly. Rose gardens and rain forests are beautiful; cannons and nuclear arsenals are ugly. Freedom is beautiful; slavery is ugly. Democracy is beautiful; dictatorship is ugly. Happiness is beautiful; sadness is ugly. Hope is