Mikrobiyata
12

Global Environmental Creation: by approaching for Microorganisms; concerning algae, fungi and another microbiota

Mehmet Arif Akşit, Hülya Öztürk***

***MD, Prof. At Pediatrics, Neonatology and Pediatric Genetics, Acıbadem Hospital, Eskişehir, Turkey**
***** Research Assistant at Osmangazi University Medical Ethics, Eskişehir, Turkey***

Germs are around everywhere, except sterilized conditions, that no can live there. The environmental conditions first depend on the nonliving ones as; earth, water, air, then the micro-organisms, over them the algae and fungi, first cellular and later other living organisms. The first that can notice, algae and fungi, and the symptoms, conditions they produced from the micro-organisms. They all are required for the life cycle. If not natural and influenced, the environmental pollution and disastrous infections etc., Protection, serving and healing is vital important and the most effected Human being is Newborns, especially Preterm infants.

Microbs, basically used the natural compositions, for growth. They used them and the residue are basic usable compounds, bedding for algae and fungi, returning the carbohydrates, lipids and proteins into main usable ones. Consider if there will be no petrification, what will be the body of the living organisms? Such a huge composition must decay and returning to soil as compounds, for usable to other organisms. The putrefying confirms by the micro-

organisms, contributing mainly, the algae, fungi. They must be returned to basic compounds, not enough for other ones, as insects; worms mostly, for eating and using as body composition. They must be also a return concept even from the insect bodies.

The safe of the environment grounding of the decomposition of the materials, especially the living organisms. Return to original one, atoms and materials. To be used again, they must be return as the natural construction.

The notation of the compositions return to natural sources, is the basic Environmental principles. Not to return to old, before concept, thus, nearly impossible, also sole Protection and care is not a satisfactory aspect, therefore, healing and be healthier environment must be the leading concept.

This Chapter is discussing the Healthy Environmental being.

Outline

Global Environmental Creation: by approaching for Microorganisms; concerning algae, fungi and another microbiota

Aim: The environment basis is on the photosynthesis establishing micro-organisms or plants, algae, etc., so, we owe our life on them, thus, we ought to care and serve them, for the future a natural environment, for our Neonatal babies, especially for the preterm infants that needs more.

Groundings: The grounding on nature, the creation, that we mostly get lost and be dangerous to environment.

Introduction: The atoms to molecules and the energy store, the glucose, the genetic coding, protein/prions, the RNA ve DNA for continuing the living organisms so far to established.

Proceeding: The structural concept of the nature is evaluated under the scientific approach for a philosophical perspective.

Results: Microorganism benefits are; carbon and nitrogen richness to the soil, enzymes for progress, plant food, as insecticide, stimulation, decomposition, symbionts, fermentation, fuels, human digestion, pathogens

Algae benefits are; culture medium, indicator organisms, alginic acid for gelling agent, energy source, fertilizer, human food, pollution control, bioremediation, pigments, stabilization process

Fungi benefits are; Decomposition, human food, cultured foods, alcoholic drinks, antibiotics/drugs, biological relations, pesticide, model organisms, other uses detergents, biological pesticide, toxic, pathogens, nutrition, growth stimulation, Radiotrophic growth,

The principles are discussed under the headings; boundaries of the habitat, the balance in nature, environment as it is, limit factor, balancing the nature to environment processing, measuring, justice/confirming he rights.

Conclusion: The preterm infant's conditions so vulnerable and be balances carefully. To give oxygen is not satisfactory for oxygenation. Preterm are most vulnerable. To

consider only the blood gas samples are not satisfactory form the starting point. After the condition is settled it can be diagnosable but, hard to treat or to be stabilized again. For serving and protection. So, we should be aware of them, care and serve them, for our benefit. Mother milk, breast feeding and vaginal delivery must be in concern, to established natural conditions, rather than giving microbiomes. Please give microbiomes to mother, by her natural selection the preterm infants get it, by one hit, double effect.

Acknowledgement: The fundamental of *to be, to be created is the sole meaning* is declared, I have already forgotten and remembered from Ms. Esin Sayın, Yiğit.

Key Words: The nature, the environment at the Neonatology Period and the principles of the balancing the nature and newborn period.

Özet

Genel Çevresel Yaratılış: mikro organizmalar; algler, küfler ve diğer mikrobiyotalar

Amaç: Tüm canlıların oluşumu doğal çevremiz olarak ele alındığında, fotosentez dayandığı görülmektedir. Bunu sağlayan mikroorganizmalara ve bitkilere gereken doğal dengenin oluşması için bakım ve dikkati, özellikle geleceğimiz olan yenidoğan bebeklere, bilhassa prematüre bebekler açısından sağlamalıyız.

Dayanaklar: Doğal doğa/tabiat be bunun oluşumu açısından bilimsel verilere dayanılmaktadır, en önemlisi de bunun kaybedilmesi açısından endişe taşınması vurgulanmaktadır

Giriş: Oluşum atomların yapısı, molekül oluşumu ve enerji deposu, glikozdan, genetik kotlamayı sağlayan, DNA, RNA ve proteinler/prionlar canlılığı sağlama boyutu açısından bakılmaktadır.

Yaklaşım: Doğanın yapısı temelinde bilimsel yaklaşımları felsefe boyutu ile sunulmaktadır

Elde Edilenler/Sonuç: Mikroorganizmalardan faydalandıklarımız; toprağın karbon ve nitrojen açısından zenginleştirilmesi, enzim yapılması, bitki besini, insektisitler, uyarıcı olarak, çürümeyi sağlayan, sembion olarak, fermantasyon yapılması için, yakıt olarak enerji üretilmesi, ürünü olarak, sindirimi kolaylaştırıcı, patojen olarak.

Yosunlardan faydalandıklarımız; kültür ortamı, indikatör olarak, alginik asit ile jel oluşumu, enerji kaynağı, gübre, insan yiyeceği, kirlilik kontrolü, biyolojik remediasyon, pigment oluşumu, stabilizasyon sağlamak için.

Küflerden faydalandıklarımız; cürüme, insan gıdası, kültüre yiyecekler, alkol üretimi, antibiyotikler/ilaçlar, biyolojik ilişkiler, böcek ilacı, model organizmalar olarak kullanımı, toksik patojenler, beslenme, büyümeyi destekleyici, Radiotrophic büyüme, deterjanlar ve diğer kullanımlar açısından.

Bu yaklaşımlar; çevrenin sınırları, doğa ve çevre dengesi, ölçüm boyutu, çevrenin oluşumu, sınırlar, dengeleme ve adalet ile hakların korunması başlıkları altında incelenmiştir.

Yorum: Yenidoğan dönemi flora oluşması açısından doğal dengenin ve çevresel mikroorganizmaların yerinde sağlanması için, gereken yaklaşımların yapılması önemlidir. Öncelikle sorunun saptanması ile yaklaşımların yapılması, temelde doğal boyutun desteklenmesi önemlidir. Emzirme, anne sütü ve vajinal doğum gibi faktörlerin Yenidoğan Dönemi açısından önemi büyüktür. Emzirme bir taşla iki kuş vurma gibi anne e bebeğe yararlı bir yaklaşım olmaktadır.

Teşekkür: Karşılıklı görüşmeler sırasında bana temel olan ve unutmuş olduğun bir esası hatırlatan, *olmak, var olmak, yaratılmış olmak* boyutunu belirten Esin Sayın Yiğit'e teşekkürü bir borç bilirim.
Anahtar Kelimeler: Doğa ve çevre, Yenidoğan Döneminde doğal yapı ile bebeklerin dengesinin sağlanması.

Environment

Introduction

Environmental control is complex process; including controlling the growth of the living organisms, suitable for the climate and the cultural aspects.

When you are looking the aquarium, you are configurated the fishes first.

If the fishes are collecting to top, searching to find some aid, try to take air from the top, fast breathing, the gills are fast moving and they are floppy, then you confirm that there is an oxygen restrictions.

1) The reason first you look the algae, whether the safe of the environment grounding of the decomposition of the materials, especially the living organisms. Return to original one, atoms and materials. To be used again, they must be return as the natural construction.
   Green algae are positive, but Brown and dark algae is not.
2) Blurring like a mist, the aquarium is dissolving one cellular algae and they used oxygen. But for green algae, they confirm by photosynthesis glycogen and unification of water and CO2, O2 is liberating, healthy aspect. Opposite is in this case, algae is using oxygen and blurring.
3) Oxygen using microorganisms confirm the unhealthy conditions, and putrefying is noticed by the odor of the water. The destruction of protein increased ammonium and this is lethal Toxic to the fishes.
4) The pH level is returned to alkali and the minerals dissolves or return to salt, mostly unwanted ones is active.
5) For natural water the pH is 7, but by some molds, sphagnum moss, this is reduced to 6.
6) The microbiomes are asides forming, by lactic acid and other compounds, used the composition and the sediment is clearing and the ammonium reduced below 1 ppm, thus the Toxic ratio is over 4 and over 3 is damaged to fins. The calcium is dissolves and useful for the fishes. In alkaline water the calcium and the hardness at the water sediment and makes a White sediment and discoloration of the aquarium.

Concept; Creatures in Nature

We must consider the creatures concerning the relations, the fundamentals and the natural aspects. First in philosophical perspectives we should evaluate the meaning of to be.

The genetic structure of the Universe

From Wikipedia

Our old World the first forms of life are microorganisms, 3-4 billion years' ego encountered. Algae and fungi have been identified 220 million years old. Microorganisms freely exchange genes through; a) conjugation/cell-to-cell contact or by a bridge-like connection between two cells/horizontal gene transferring/high mutation ratio, b) transformation/genetic alteration/incorporation of exogenous genetic material, c) transduction/transfer of DNA from one bacterium to another.

Fact on DNA, RNA and Prion

The concept is established after noticeable a creature is formed. From my aspect, the message is constructed or confirmed, means the creature is on the way. DNA is the main structure, RNA is the establishing one but messenger is the leading factor, mostly by the viral confrontation. But, as prion mostly effect the organism, then some molecules can be concern on it.

DNA (Deoxyribonucleic acid) is a double helix molecule, confirms the genetic information; for growth, development, functioning and reproduction as means of the action of living organism, mostly noncoding. Composed of four kind of nitrogen containing nucleobases as; Cytosine, Guanine, Adenine and Thymine. DNA is a code of living organisms for me indicate as a bank.

RNA (Ribonucleic acid) is used for; coding, decoding, regulation, expression of genes and taken the massages from DNA and transferring the codes (tRNA) to ribosomes, for making protein synthesis (rRNA). Small nuclear ribonucleic acid (snRNA-U-RNA), role in part in RNA biogenesis, and guide chemical modifications of ribosomal RNAs (rRNA) and other RNA genes (tRNA and snRNAs).

Most viruses encode their genetic information by RNA. Differs from DNA as; a) single stranded and shorter chain, complementary base pairing, b) DNA deoxyribose, RMA ribose, makes less stable, more prone to hydrolyze, c) at DNA complementary base, forms double helix, Adenine to Thymine, Cytosine to Guanine, at RNA Adenine replaced to uracil /unmethylated thymine.

I indicate the RNA as an arm of DNA, for functional performance.

Prion: A prion is an infectious agent, composed only on protein complex material, can be fold in multiple, structurally specific organization, leading like viral diseases. Prion transmitting the misfolded protein state, guiding more proteins, converting, chain reactions to prion form. Result is tissue damage and death of the tissue. Not only a genetic message but, a single but clever protein molecules might be a cause of problems.

Discussion

In personal discussion, even in allergy, just a small substance trigger the reaction. So, we must consider the Nature as a sole, we and all the environment. Science

needs the discrimination for analysis but, we must consider as in reality, as one, unique. The perspective upon you look for, is the differences that confirming.
The important perceptible concept, the physicians by looking deep on the case, hardly see the view, indicates mostly the basic science experts, as in history, they established the picture as a birth view perspective, seen one, the nature. Philosophy is the required one, thinking twice is the thoughts to evaluate, by looking with the microscope. The future evaluations might be confirming this situation.

If we consider the glucose, configuration of the energy supply, from water and CO_2, by sun, under photosynthesis, forming a polymer, hexose forming, in plants as starch, in animals as glycogen leads to fat. D-isomer is dextrose, thus used in medicine.

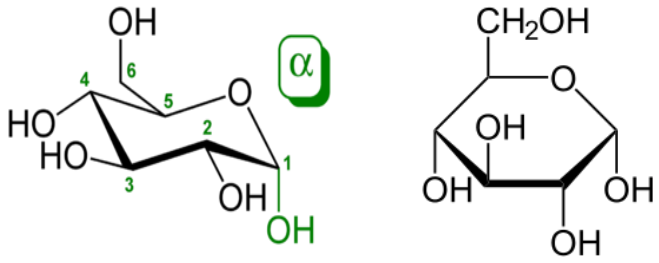

Figure 12/1: The glucose as a polymer of hexose

When nitrogen is adding to the structure, mostly Nitrogen can be find in air. Protein molecule is forming, configuration the living organisms mostly. Three different structures; a) globular structure, soluble enzymes, b) fibrous proteins as collagen, keratin, c) membrane proteins, as receptors.

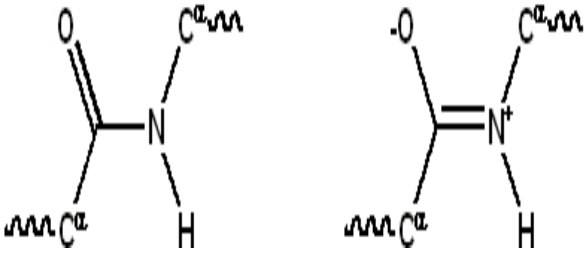

Figure 12/2: Protein molecule structure concerning Nitrogen

When considering the common compositions structure as Sterane (cyclopentane perhydro phenanthrene) compounds considering Cholesterol and its derivatives (such as progesterone, aldosterone, cortisol, and testosterone), as similar structure but more complex as glucose mixing protein composition.

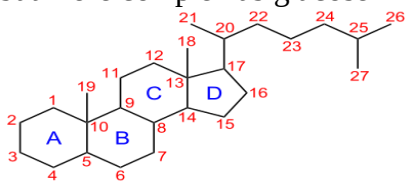

Figure 12/3: The molecule of cyclopentane perhydro phenanthrene

This indicates me, the first structure of glucose is the same but complex structure of the life. We are all the same, even nonliving ones have atomic compositional structure, like ours.

The creatures

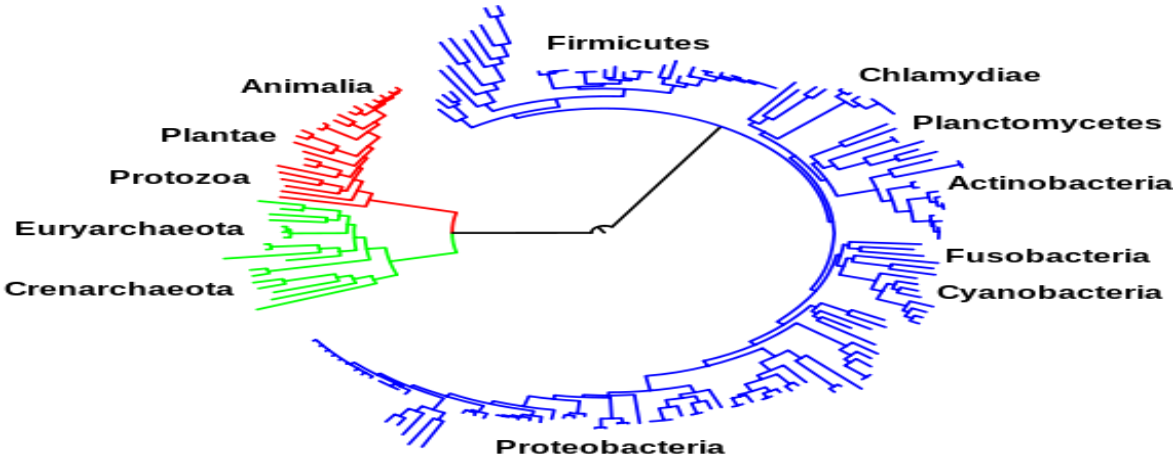

Figure 12/4: The Creatures, from bacteria to mammals; bacteria blue, eukaryotes red, archaea green.

They are mostly microscopic but, when in great colonies they can be noticeable. Thus, the main establishing them, is the function, then they performed; bacteria, fermentations, algae and fungi making the environmental change.

Prokaryotes

Prokaryotes are lack of nucleus, and organelles, unicellular as bacteria and archaea. They are on soil, water, springs, air animal gastro-intestinal tract.

Bacteria

Bacteria is lack of nucleus and function as individual cell. Genome is mostly single loop od DNA. Small of DNA pieces, plasmids, can be transferred to other bacteria, cross resistance therefore can be confirmed.

Extremophile have adapted so that they can survive and thrive in hard conditions like; temperature (130 to -17 ^{o}C), pH (0-11), salinity, pressure (0-2000 atm.), and high radiation.

Archaea

Archaea are also single celled without nucleus micro-organisms. Mostly mentioned as; bacteria, archaea and eukaryotes. Genetic and biochemistry construction differs. That mostly found at hot springs, common in soil and play a vital role in ammonia oxidation.

Eukaryotes

They contained organelles, nucleus, Golgi apparatus, mitochondria etc. The organelles such as chloroplast, thus, produce energy from light, by photosynthesis, produce glucose.

Protists are commonly unicellular and several algae species are protist.

Fungi

The fungi have several unicellular species, such as baker's yeast (*Saccharomyces cerevisiae*) can grow as single cells or making infection as Candida spp. In some environments, for making bread or like Human body also.

Plants

Algae can grow as single cells, or in long chains of cells. Green algae are photosynthetic eukaryotes and for the ocean the best supplement of energy deposition, sugar-starch, and oxygen formation, even they indicated 30% oxygen production from algae. If we consider them, the environment is suitable for living organisms even for fishes.

Animals

Some micro-animals by producing and forming eggs which can survive harsh environments that would kill the adult animal. However, some as dust mites, mostly have role on allergy.

Habitats and ecology

Microorganism are noticed in almost every habitat, in nature. Even deserts, hot springs, rocks, deep freeze conditions, poles, at the deep sea. Many organism have intimate some relations as; a) symbiotic relation, b) some are usually beneficial, mutualistic, c) some damaging the host, parasitism,

The concept is to be familiar with the friend microorganisms. Habitat and the ecology must be arranging for everyone, side by side, responsive relations.

Soil microorganisms: For fixation of atmospheric nitrogen, nitrogen cycle in soil, by certain bacteria, mostly found at the roots in legumes. This means the fertilizer action of the soil.

Symbiotic microorganisms: Fungi and algae can supply of nutrients to the tree as lichen etc.

Vital creatures, micro-organisms: They have some contribution to the environment.

Microorganisms; Used for several conditions, as;

- Carbon and nitrogen richness of the soil: Participate in the carbon and nitrogen cycles in soil
- Chemicals, enzymes: Produce hormones that outgrowth for the progress of plants and animals
    - Organic acid; acetic acid (acetic acid bacteria), lactic acid (lactic acid bacteria/*Lactobacillus*) etc.
    - Bioactive molecules and enzymes;
        - Streptokinase produced by the bacterium *Streptococcus* and modified for removing clots from the blood vessels.
        - Cyclosporin A is a bioactive molecule used as an immunosuppressive agent.
        - Statins produced by the yeast *Monascus purpureus* are blood cholesterol lowering agents.
- Plant care: By covering the leaves, a protection layering, with some oils as shining the leaves.
- Insecticide: *Bacillus thuringiensis var. aizawai* and *Saccharopolyspora spinosa* are commonly used probiotics. By changing the plant fluid, insects cannot eat or take the juice, so insect might die due to hunger, insect protection, not killing but controlling the pest.
- Stimulate the immune system of the plants and animals

- Decomposition of waste products, recycling death organisms, Microorganisms play critical roles in Earth's biogeochemical cycles as they are responsible for decomposition and play vital parts in carbon and nitrogen fixation, as well as oxygen production.
- Symbionts for multicellular organisms, vitamin K production etc.
- Fermentation: Food production; yoghurt, cheese and bread and sugar for converting to alcohol etc.
- Fuels: Microorganisms are used in fermentation to produce ethanol, and in biogas reactors to produce methane, for energy, with production of usable fuels.
- Human digestion: the bacteria that live within the human digestive system contribute to gut immunity, synthesize vitamins such as folic acid and biotin, and ferment complex indigestible carbohydrates, e.g. lactose.
- Causative factor for diseases.

Algae

Can be distinguishable by green algae (*Viridiplantae*), red algae (*Chromalveolata*), cyanobacteria/algae (*Cabzoa*) in coloring perception.
They are photosynthetic organisms. The first land plants probably evolved from shallow freshwater charophyte algae much like *Chara* almost 500 million years ago, Algae spread mainly by the dispersal of spores analogously to the dispersal of Plantae by seeds and spores. This dispersal can be accomplished by air, water, or other organisms. Due to this, spores can be found in a variety of environments: fresh and marine waters, air, soil, and in or on other organisms.
However, not all bodies of water can carry all species of algae, as the chemical composition of certain water bodies limits the algae that can survive within them.

Algae; Used for several conditions, as;

- Culture medium: Agar, a gelatinous substance derived from red algae, has a number of commercial uses, especially for culturing media of microorganisms.
- As an indicator: Algae can be used as indicator organisms to monitor pollution in various aquatic systems, for detection of in the presence of chemical pollutants.
- Alginic acid, or alginate is used for gelling agent; Its uses range from gelling agents in food, to medical dressings.
- Energy source: the potential to produce more biomass per unit area in a year than any other form of biomass. The break-even point for algae-based biofuels is estimated to occur by 2025.
- Fertilizer: algae are used by humans in many ways; for example, as fertilizers, soil conditioners, and livestock feed
- Human food: Naturally growing seaweeds are an important source of food, especially in Asia. Algae are national foods of many nations, as China. Algae have emerged in recent years as a popular source of omega-3 fatty acids for vegetarians.
- Pollution control: Sewage can be treated with algae, reducing the use of large amounts of toxic chemicals.
- Bioremediation: to colonize silicone resins used at archaeological sites; biodegrading the synthetic substance.
- Pigments: The natural pigments (carotenoids and chlorophylls) produced by algae can be used as alternatives to chemical dyes and coloring agents.
- Stabilization: in milk products.

Fungus

Fungi are genetically more closely related to animals than to plants.

A **fungus** they acquire their food by absorbing dissolved molecules, typically by secreting digestive enzymes into their environment. Fungi are the principal decomposers in ecological systems. Fungi do not photosynthesize. Fungi are more closely related to animals than to plants and are placed with the animals.

Growth is their means of mobility, except for spores (a few of which are flagellated), which may travel through the air or water. Abundant worldwide, most fungi are inconspicuous because of the small size of their structures, and their cryptic lifestyles in soil or on dead matter. Fungi include symbionts of plants, animals, or other fungi and also parasites. They may become noticeable when fruiting, either as mushrooms or as molds.

Fungi; Used for several conditions, as;

- Decomposition of organic matter: for nutrient cycling of the universe.
- Source of Human Food: in the form of mushrooms and truffles.
- Cultured foods; Fermentation: Baker's yeast or *Saccharomyces cerevisiae*, a unicellular fungus, is used to make bread and other wheat-based products, such as pizza dough and dumplings. Certain types of cheeses require inoculation of milk curds with fungal species that impart a unique flavor and texture to the cheese. Examples include the blue color in cheeses such as Stilton or Roquefort, which are made by inoculation with Penicillium roqueforti.
- For alcoholic beverages: Some other species of the genus *Saccharomyces* are also used to product, (*Aspergillus oryzae*) is an essential ingredient in brewing Shoyu (soy sauce) and sake, and the preparation of miso, while *Rhizopus* species are used for making tempeh, strong alcoholic drinks.
- Antibiotics: fungi have been used to produce antibiotics. Because of the capacity of this group to produce an enormous range of natural products with antimicrobial or other biological activities, many species have long been used or are being developed for industrial production of antibiotics, vitamins, and anti-cancer and cholesterol-lowering drugs. More recently, methods have been developed for genetic engineering of fungi
- Detergents: various enzymes produced by fungi are used industrially and in detergents
- Biological pesticides: Fungi are also used as biological pesticides to control weeds, plant diseases and insect pests.
- Toxic: Many species produce bioactive compounds called mycotoxins, such as alkaloids and polyketides, that are toxic to animals including humans.
- Pathogen to plants, animals: Many fungi are parasites on plants, animals (including humans), and other fungi.
- Nutrient: Many species have developed specialized hyphal structures for nutrient uptake from living hosts.
- Growth: Fungi have evolved a high degree of metabolic versatility that allows them to use a diverse range of organic substrates for growth, including simple compounds such as nitrate, ammonia, acetate, or ethanol.
- Radiotrophic growth: This process might bear similarity to CO_2 fixation via visible light, but instead uses ionizing radiation as a source of energy.
- Relations: A) Mycorrhizal symbiosis between plants and fungi is one of the most well-known plant–fungus associations and is important for plant growth and persistence in many ecosystems. B) Symbiotic: Lichens are a symbiotic relationship between fungi and photosynthetic algae or cyanobacteria. C) Mutualistic; Many insects also engage in mutualistic relationships with fungi.
- Pesticide; certain species may be used to eliminate or suppress the growth of harmful plant pathogens, such as insects, mites, weeds, nematodes, and other fungi that cause diseases of important crop plants.

- Model organisms**:** Other fungal models have more recently emerged that address specific biological questions relevant to medicine, plant pathology, and industrial uses.
- Other uses**:** Fungi are used extensively to produce industrial chemicals like citric, gluconic, lactic, and malic acids, and industrial enzymes, such as lipases used in biological detergents, celluloses used in making cellulosic ethanol and stonewashed jeans, and amylases, invertases, proteases and xylanases.
- Psychedelic properties: Several species, most notably Psilocybin mushrooms (colloquially known as *magic mushrooms*), are ingested for making hallucination and other fantasies that caused.

Fungus-like organisms: Some micro-organisms' have unlike true fungi, the cell walls of oomycetes contain cellulose and lack chitin.

Hygiene: For avoiding infection, or diseases, considering the Human body or the food or environmental spoiling by eliminating microorganisms from the surroundings. In some applications, level of harmful microorganisms can be reduced, e.g. by pasteurization, or completely sterile, e.g. by autoclavation.
In food or other considerations, by adding vinegar, reduced and not let them to multiply, bacteriostatic effect. By fermentation the milk can be more longer be as a food as yoghurt.
The best is not on considering sterile, but be control of the pathogenic bacteria and so on.

Conclusion

As a Human being, at the top or the creatures pyramid, to stand on it in a stable condition, the below levels, stages must be so solid to resist the pressure. The environmental pollution confirms us, the first steps/the legs are the utmost important.
We should consider the micro-organisms, the microbiota and thus together with algae and fungi.
Controlling, best care and serving the environment not only protecting is satisfactory, so, we have something to left the future as an heir, the environment and the healthy conditions.
The future industry is on microorganisms, especially on microbes and algae and others. Therefore, microbiomes are increasing of importance in medical science.

Considering the boundaries, the habitat, rights to live

There is a habitat, means the living organisms can be at a special area. Therefore, to be and survive, the conditions must be suitable. If in this Universe, microbiomes are encountered, they have a place to live. Cactus will not survive at the Rain Forest, so do the Ficus elasticus decora/Rubber Plant at the desert. The concept, the microbiomes are familiar in our body, but not the pathogens, so they try to inflate and destroy the Human body or body systems. So, if we consider the boundaries as some philosophical perspectives, may be helpful to the science view.

1. ***All the creature's origin is simple the atom and their configuration. So, the evolution or the establishing simple is the same.*** Science is the concept to be influenced the creatures at the same perspectives, natural laws. The personal and the constitutional differences as the microbiomes and Human being, can only be resolve under the scientific realities. The evidences are obvious, but consider under logic not by jealous desires, want more then need, not considering the balance of the requirements. This leads to covering or even liar, degenerated the evidences, reject or against the rights, grudge, pride, by oppression, cruel actions, because harm are the main conflicts. The main solving concept is follow and realize the science in the reality based truth. Mainly environment, microbiomes and Human must be care and serve for the presence for each of them. This is vital importance in preterm infants.
2. ***The only acceptable one is to be in peace and respect to others, the science must regulate the relations.*** It must be in balance with the demands, the activities and the required results, but demands if by oppression and cruelty, or rejecting the real evident.
3. ***Mostly the examination, the evaluation of the environment, confirms what we must do, for care and serve. But if our perspective for our desires, that means the destruction of the habitat, so this indicates we are out of balance and not considered the nature.*** The aspect to be in goodness, not for personal demands, but balancing the nature and human in humanity principles.
4. ***After destruction of the environment, the causative main factor is mostly the person, their individual desires and therefore, this person cannot be considered as un human.*** The history indicates several people by destruction of the habitat, considered as the competitor of the humankind.
5. ***Demanding more and more, confirms out of the balance, so be a harm to environment.*** Everyone have right to live, not for human, but also to the other creatures.
6. ***The boundaries, the balancing aspects, can be approve by science, not by personal wishes.*** The nature has special laws, that we confirm.
7. ***There are also tolerable variations, plus or minus, for balancing, thus, we must not pay much or so scare on it, considering the natural aspects for reserving the future.*** The exact means not so strict, but be in a variation for the benefit.
8. ***For concerning the nature, care and serving the environment, will not be afraid od and be aware of concerns. This means to live all together.*** The balancing and caring the limits, is meaning of respect and be live together.
9. ***First, we must respect the habitat and so, arrange according this not to make a plate by sweep away the mountains. Be adapted with the nature.*** The science must lead to peace, live and be together.
10. ***Be respect to nature, means find more, and be more to concern, and to remember to be as Human. We share the cheerfulness and be thankful to nature.*** The aim must be on peace to goodness, not one side benefit, not a single but with the community.
11. ***From minor or huge concepts, all the limits and details are confirming the science and the balancing of them, not any contrary in the nature, but human makes the opposites.*** The science authorizes the virtuous.
12. ***Not to be over the boundaries, be respect the nature, and natural laws.*** The individual desires mostly the reason of harm and destruction.
13. ***Continuous evolutions and considerations are to be on the limits, not to make any harm.*** The causative factor for damage is mostly the human, who wants more and more.
14. ***The cruel and the evil will not be considered as friend, estimating to be on goodness, thought, the evil concept wants also the demolition of the goodness, to find a place for them.*** The intentions to destruct the nature, is mostly indicated as civilization, thus, cultural principles indicate to be safe and respect with the environment, not to destruct or ruin it.

Comment

Every application has a limit; thus, the variations must be in balancing the rights, not to be harmful is the first notification, respect and be in empathy is leading, but to be on ethical conducts are the guiding to us. Basic meaning of the boundaries is balancing the rights in peace. The environment is the habitat that we live, so utmost important to us, ourselves.

The Equilibrium in the Nature, not to be any disturbances

Natural Laws are in balance, so nothing overdue to others. Genetics, physiology, physics and biochemistry are the same, but just looking from another window.
In this Section, we are discussing a philosophical consideration concerning the balance in the Nature.

1. ***Real scientist acts in sure about the fact and be gentle for the nature, not make any harm***. All the actions must be done by using the mind, kindly and with respect of the rights, for all the creatures. Not to be any oppression and not to be based on individual desires for personal beneficence.
2. ***Caring and protecting the balancing of the rights, and not to be diverged for some aspects, for their gain, and disturbing the corresponding factor***. This means continuing the natural science as it is.
3. ***The nature is in same regulations; thus, the people is the factor, be in balance or making the destruction, or care and serve the environment, the nature, the balancing and be on goodness, charity is inside the individual***.
4. ***Love only for the goodness and benefit, and in empathy action, not the cruel and harmful ones, even it seems individual benefit, thus, the outcome will be the opposite, balancing is not to be half-truth, half wrong, one drop will be makes the water undrinkable***. Evil even cannot be tolerable not considered in balancing.
5. ***Justice is giving the rights as needed and required, by balancing the individual and community, form the starting point***. For the environment, after the destruction, the protection sometimes is useless, so be from the natural evidences.
6. ***Balance meaning is the equal stabilization of the rights, in this situation, micro-organisms versus the Human being.*** Considering one side is not meaning of balancing.
7. ***Evaluation from one side consideration, from a single perspective, means disturbing the equilibrium.*** The equilibrium, is the balancing of each side, considering the rights, at goodness.
8. ***Natural science commandments approve the stability, steadiness in universal concept.***
9. ***The nature is gorgeous, when considering and evaluation of it, the balancing of all the science and the power coordination, the more look, the more admire the nature.*** The science is the admired one.
10. ***The gender is also a balancing, everyone should be get together for the future, for continuing the life.*** The microorganisms genetic transferring of genes is also encountered.
11. ***The nature complies everything and everyone in one concept, the science, and nothing and no one have a special privilege on it, everything fall at the same rule based, earth gravity.*** The equilibrium is scientific fact, not be changeable or be degenerated.
12. ***When you are afraid of, means not known the scientific facts and factors, if the knowledge enlightened your mind, then you have no fear, just consider what to do.*** The education is just for it, first to help and be configurated yourself.

13. ***The effort, the using of energy must be in balance, as what it needs or required, not to be pass out or not to be reach up, just be to be there.*** The medicine is balancing the drugs to individual requirements, on medical science configuration.
14. ***The believes, the intentions and the desires must not be over or under, just be as it is, therefore empathy is important.*** The ethical conduct is for the relationship confrontations.
15. ***History and experience is important for the evaluation, leading the goodness and humanity be a sample to confirm, but the evil considerations are for warning can be way of it.***
16. ***More unwanted one, to accept the disturbances and consider the bad and harm as good and benefit.*** The evaluation must be on scientific realities, not individual subjects.
17. ***The consideration for the balancing is; the aim and desires for the goodness and utility, pay the expectation for getting the amount, education and be on the cultural civilization, continuous evaluation not to be on evil, leads to the balancing on righteous concepts.***
18. ***There is only one way, not to make any harm and not to be evil for yourself and for others.***
19. ***We are all the same, starting from atoms and molecules and by genetic informative state as living organisms, then human being. We are as like others, on one side of the balancing measurement, the pivot is science.***
20. ***Be configurated the science the nature, the balancing and the configuration the cooperation and coordination as the reality, the fact of life.*** The awareness is the educational status.

Comment

Every medical configuration leading to application has been grounded on science and must be balance considering the both sides, human and environment, including microorganisms.

Education on the procedures should considering the rights and the environmental factors to be settled for goodness and utility. For preterm and newborn infants, they cannot be on life by the degenerated habitat, thus must be considered and be on the useful aspects.

Environment

We as a member of the community, and be a Subject in Objective World, considered as a unique and civil liberties and the other side, I and your aspect, as me and the environment. To survive means to care not only yourself but also the environment. In this case, the environment also concerns the gastro-intestinal tract and the skin. Thus, considering some mind act as the environment.
The preterm infants need more control on habitat and be in safe, for living as healthy. It means a vital importance for them.

1. ***The environmental conditions, looks like some personal affairs, thinks right but not for the others, continuing to do, means harm. Most environmental procedures are going to disturb the habitat, e.g. the fertilizers out of control the situations.***
2. ***The light enlightened the surroundings but not itself, not to be same as the light. Be give your education as in your applications, for being on science and to be on continuous education.*** The education must be first being helpful to yourself, not to be on fantasies and out of the reality configuration.
3. ***After the environment is collapse, the place will be no longer a living place, takes years to be live again.*** Therefore, not to disturbing the environment is essential.

4. ***The nature has scientific laws that they performed, nothing can be power to change it. The plane flies conferring to the same natural gravity law concept.*** There is no way to be out of the natural conditional laws, so we should consider them.
5. ***The good conditions are an example, the bad conditions are for awaking and for considering not to do.*** The changing of the facilities is the life conditions not to be afraid or not to be obey, just for thoughts for new aspects and new approaches to perform.
6. ***The act on the nature, must be on soft and by understanding the environmental facts, for the approach to goodness, for human and other ones; living and nonliving organisms.*** The aim of as a human to be on humanity, for everyone, including the microbiomes.
7. ***The reality may be blurring and hiding to the superficial findings, so follow up and controls are vital important for the decisions. If any suspicion of harm, this means the way to go is wrong, we must find another road to go.***
8. ***Common sense, the election or other considerations on vote is not important, in case of the science rules. The decision and election must be according the perspectives of the nature, that confirms the environment.***
9. ***Today beauty, to be in proper and on goodness, is for tomorrow also, the tomorrow is constructed from today.***
10. ***Controversies and other decisions meaning healthy on approach or the society, the unacceptable one is choosing the harm and destruction. Primum non nocere is the first duty to perform, or not to do.***
11. ***Before we are considering the environment, first we must search and know the conditions of the nature, positive and negative aspects, on science for both aspects, human and microbiomes.***
12. ***If the community on the same perspective on the environment, this is the main power, be together is more helpful to perform.***
13. ***If you start on the care and serve the environment, you can notice, several factors are going to help you, the nature is on the way of the righteous action.*** The nature is more advanced quickly, each microorganism can divide in 2 at 20 minutes, and geographical increase is so huge and be effective as one of them is present, thus, the environment the status will be appropriate. This is the action of yours to help the nature, it will be surviving soon.
14. ***If the flower likes you, means you gives your heart, so, care and serve with scientific aspects, suitable for the flower habitat and itself.***
15. ***Science is the gift for the one, who wants to learn and be act on this profession. Just to take a diploma and not to perform is not the education.***
16. ***Not to be on scientific fact, for demands, not considering the environment, the result is disastrous. Mostly not considering microbiomes at the habitat.***

Comment

Every application has some groundings. This must be on scientific perspective depends on the evidences. The environment is not to be same as your wish, if you desire unexpected and not suitable for the condition of the nature.

The education is for cultural civilization, concerning the respect of the environment. This not only trees and good looking concept, mostly be on consideration of microbiomes. The flora is most important to survive and to be on healthy.

This is same in Newborn infants. They environment will not be formed at the hospital flora. It must be on the mother's floras, breast feeding and the friend ones, with establishing by probiotics.

Limit Factor

You can carry about 5 Kg, but hard to hold 10 Kg, as infants. But over 25 Kg is out of limit, requires muscle power.
Thus, we consider the limit factor to survive the microbiomes and care and serve them.

1. ***Some scientific realities will not allow the nature to get rid of all the worse conditions, it will be destructed in that case.*** The forcing of the nature, lead to collapse of the environment, to be in the tolerable limit.
2. ***If the nature cannot be find a way to survive, then because of collapse, may be so huge and inevitable for the result. One climatic change or the nature of the water change, even the pH by the adding salt, will be a result of dying thousands of fishes.*** the
3. ***The nature in case of human resources, cannot have rights to indicate directly, thus, the warning can only be noticed by the scientist, thus the administrators must be on concern this. If not result is out of limit and disastrous conditions.***
4. ***The microflora has genetic transmissions of the codes, if the antibiotics are widely used and the resistance factor can be transmitted so quickly before the antibiotics are going to sell in pharmacy.*** People can be harmful, to make the treatment. Wisdom and be on scientific realities are the only choice to convert it form harm to benefit.
5. ***The desires must be on the environmental fact***. Then they will be like some phantasies or more efforts and money for making the suitable habitat for living. The best to be on the nature of the environment.
6. ***Compensation is beginning from deeply be sorrow and regretful what it is done, cause mostly, they indicate that the behavior is wright, even it is degenerating the environment.*** The evidences might be differently evaluated, under the perspective of individual demand, thus, mostly subjective and leading to wrong one. Intended to do harm is the possibility but, mostly the other subjective decision is mostly encountered.
7. ***Something will not be only used, if in hunger, not to use more than the requirements and needs, not to over abuse, and not to accept as this unusual act will be safe, so only in that conditions the environment might be used for, the individual purposes.*** But later, it will be regenerated again. In case of the diseases by protecting the intestinal flora, the antibiotics must be given, reciprocal activation of the rights be concern about.
8. ***There is only one force at the environment is the natural low. The limits are also considered by this natural law diversities, not form human.***
9. ***No cruelty, no force for performing the harm to nature is acceptable and all the individuals must be against of the brutality, be on the side of the nature.***
10. ***The food production must be in benefit with the nature, not destruction of the habitat.*** Sometimes the fishing will be make them as extinct.
11. ***The basic consideration of the using the nature, not changed the environment, thus, every habitat has a limit, so, not to close the limit range.***
12. ***In history, several civilizations are now in ashes, due to making destroying the environment. The bay is filled mostly, by the mud of the river, because they cut the trees and the fresh water is disturbed by the discharge of the toilet outcome.***
13. ***When you noticed the degeneration of the environment, first you must regret, so, corrected what you are going to wrong, in scientific aspects you must regenerate the nature again.***
14. ***Because of personal benefit, some people will not be aware and accepted the environmental pollution, up to the time of getting lost the nature. Therefore, continuously warning of the society is the main duty for the person who used their minds by scientific evidences.***

15. ***Every time there is a reason of the behavior, so, you must want the scientific grounding ones/natural laws, for explanation of the using of the nature, e.g. cutting the trees, but, be in some limited conditions.***
16. ***There must be always a hope for the nature, so continuously care and serve it, whatever the condition is worse.***
17. ***When there are two conflicts, be chose the one who is leading to peace for everyone, human and microbiomes.***
18. ***Every action must have a limit, to know where to start and to know where to stop.***
19. ***Considering the heir that our ancestors left to us, it not good, be try to restore the natural condition, for be a future heir, then, they will have used in confidence.***
20. ***If not considered the scientific limits of range, you will be so regret and may be too late for you.***
21. ***Killing and destroying the microflora, means to destroying your future of the nature, the environment will be good enough to live.***
22. ***If you will not consider the limit factor, does we take away the warning or the indications of the balancing factor?***

Comment

Every application has a reasoning, and mostly the civilization is the main causative for destruction of the nature. The concept must be live by the nature, with the nature. So, environmental engineering is important, not for caring and serving after the construction, but from beginning to improve and re-engineering the nature.

The balancing of the Nature/The Environment

Balancing is not one side to cover and gain concept, it must be gain to gain perspective. We are the individual Right to live and other, the microbiomes have Right to life. This is a balancing consideration.
Thought on it mentioned at this Unit.

1. ***The only human used their minds and be active on their profession concerning the nature, will be the one, who will be listening from the society.***
2. ***If you are not considering the balancing of the benefit with nature and human, then the other side will be in trouble, so confirm the balancing.***
3. ***After the scientific evidences, the evaluation must be on scientific evaluation not on fiction.***
4. ***If you will not consider the scientific reality, we must indicate them, not your desires, so, the balancing is useful for everyone, not only for an individual.***
5. ***We must be thankful for the balancing at the nature, so all we live together in peace.***
6. ***Human beings must not have considered as the primum and exaggerated, so, there is a balance, a person cannot be surviving, without the probiotics.***
7. ***Not considering the rights of balance in nature, the person is inevitable in danger of harm.***
8. ***Using and waste production must be in balance, with the new and old, for be in steady state fact.***
9. ***Gender is one of the balancing of the reality at the nature.***
10. ***We should take in notice of the person who is working on the nature and listen and did their advices for the serve and caring and protection of the nature.***
11. ***Advices on science is the ratio of that we can perform.***
12. ***Not to be in one kind, the nature is in diversity and several differentiations, that genetic codes are evaluative constriction.*** The mixture of genes like salt and black pepper in a cup. The

differentiation is nearly impossible, so a new formation is constructed and used in different aspects.

13. ***Cruelty and oppression can have used the science as their desires, but nature will not lead to fight or war, leads to peace and humanity in every manner.***
14. ***Whether you make the warnings or not, the future be on the scientific outcome, the estimation is mostly become.***
15. ***We are only a Human being, but we must configurated the other living and nonliving ones, for be in together, side by side, with friendly in balance.***
16. ***No one has superiority and minority in this nature, so we should be respect our rights to be in the nature.***
17. ***The one on the environmental science action, is safe, others are not.***

Comment

What we need as a human, to use the nature, by disturbing or demolishing it, or we are live side by side with the nature?

Every application must be on the scientific of the environmental facts, that will be analyzed and carefully be planned and later going to be the construction if inevitable or benefit is sharing; with us and the microbiomes.

Contrary evaluations of the evidences, confirming as against the Nature and the science, thus, be diverging and changing the truth to false and adverse act as science fiction. At preterm infant, this wrong confirmation of the evidences, leads to damage and harm to the baby.

To be friend with the Nature, not for today, even for tomorrow. Science covers all, the one who are not be on the natural laws and not care the environment, sooner or later pays the wrong act, that, causing the harm. The care, serve, educate, give the ethical considerations to people, extra foundations, payments for the nature is humanistic act. For preterm infants, we should be on the natural Environmental conditions must be performed.

Measuring

To be exact appropriate aspect, the point of view must be suitable for them to live and survive, thus, we mostly confirm it, by the measuring is importance factors for them. For dressing the clothes must be fit for the individual structure. As the nature, all the living organism existing conditions must be suitable for them, even a single change at the pH cannot let the microorganism to multiply.

1. ***For growth and development, a time limit is indicated, for every creature to be form and multiply.*** Each creature required a specific time to developed, for human 40 weeks for gestation, for micro-organism 20 minutes for development and multiply,
2. ***Measuring and evaluation must be on the righteous concepts***; for humanity maturation, to be righteous, be indicated the truth, for benefit and on goodness,
3. ***Something will never be in program; without measuring and estimating the present condition, to be on act for the environment.***
4. ***The positive science is measurable, but internal affairs, believes are not. So, to be in science you must confirm the measurement before doing something.***

5. ***Some people measuring findings are scientific but other some will be denying to this one, for not indicated themselves. The personal subjective concepts are not being fitted to the evidences, it must be noted as same as it is, be on the reality.***
6. ***Nature is a measuring perspectives, day, time and for other measuring facts.*** Measuring is the nature confirmation.
7. ***The main concept for evaluation is, to confirm the values, the duties and works on the healthy perspective of the Human, means value formation.***
8. ***Measure is for leading peace, not for comparison and be jealous or other competitive situations them makes a conflict for fighting.***
9. ***To be more and more on humanity, the measurement is a good indicator for the prospective and inclination aspects.***
10. ***Every measurement has a conditional state, the duration of a day differs in winter and summer.***
11. ***Before make a measurement, your concepts, your hypothesis and the method and the procedure must be on scientific considerations. Subjective concepts cannot be measurable and not to be considered as scientific findings.***
12. ***Water has a scientific balancing of the atomic bonding effect, that complies the characteristic of the water. So, the characteristics mostly on measurable even by exact or the findings as we seen.***
13. ***The nature full of the aspects to be measure and be on the law of the science.*** The falling of the apple indicates a wise and educated person, Mr. Newton for confrontation of the gravity.
14. ***Measurements have minimum and maximum range as be on the balancing concept.***
15. ***If you have no power for measurement the result can be an estimation not the evidence, mostly subjective perspective.***
16. ***The measurement at the Earth and the outer surface can be differentiated, because of the conations are differentiated. The scientific measurements are same at the same situations, not the same in some other conditions.***
17. ***First your measuring one, the scale must be rigid, not to be differentiated, like if elastic, how can be sure of the distance, length measurement***.
18. ***The result must not be changed due to the administrator or for understandable or tolerable one***. This will not be make the good to harm, harm to good aspects.
19. ***In individual differences, the measurement will be different due to the personal characteristics***. The society findings and statistics will not be considered as the individual measurement as length. This is just a general concept for evaluation form the standard.
20. ***The number of the measurement must be as it is, no differentiation, the basic concept must be same.*** Hundred degrees centigrade is boiling degree but for Fahrenheit 100 degrees is 37.7 ^{o}C, means normal temperature.
21. ***The nature is the leading factor, the choice is form Human being, so, wrong choice means wrong selection means so degeneration the nature.***
22. ***The forthcoming can only be estimated, by science evaluations but not indicated as the exact point, the process can be differentiated, because so much unknown factor might be influenced the result.***
23. ***Each natural finding indicates some measurement factor. Gravity and the turning of the moon round the earth has a measurement aspect. Only scientists can be realizing on it.***
24. ***Each food is not same in composition; thus, the ingredients must be in measurable and be confirm the biological benefitable perspective.*** The spinach is rich in iron but not to be digestible one.
25. ***Each scientific measurement is in different perspective thus indicates nearly the same form different perspectives.***
26. ***Subjective aspects will not be measurable, and not in scientific aspects***.

27. ***Every major or minor on scientific measurement concepts, so there's no differences about their act.***
28. ***Each person has a power, so he must configure 12/the measurement of the energy and power.*** The golden medal is for earning the person who knows their abilities and power, so prepare and arrange according their capacity and be get the record, not by chance.
29. ***The scientist is get together, for evaluation of the ideas, but if they are subjective there will be no discussion. Discussion only be confirming if it can be measurable, so, they can be evaluated.***
30. ***More facilities can perform more, but the point there must be proper scientist at the right place, at the right time and at the righteous concept.***
31. ***Measurement is the fact of the creation. But thoughts and the feelings even the believes are out of the measurement. If you can measure, it is science and reality. If you cannot measure, it is subjective and believes not to be evaluated or measured, let be it is the autonomy of the people.***
32. ***The creation of the human is just form one cell, nearly same code as other living organisms So not to be magnified and indicated as unethical concepts.***
33. ***No matter what you are working for, but must be on goodness and benefit for individual and common sense, the best is the measurable perspective on science, not subjective for a person identification.***

Comment

Measuring means that can be evaluable, the value that can be measured will be developed and be more distinguishable one.

If not measurable, then it is subjective and remain as subjective.

Harm is objective and measurable configuration, so, the evaluation main perspective for discrimination of right or wrong, the utility or harm.

Justice, Establishing, Confirming and Giving the Rights in Balance

In general, the justice concept is not the common sense, the civil liberties, the individual rights are primum, thus, none will be any harm for them, be sharing the rights under the gain and earn concept.

Thoughts on the microbiome and the human is in consideration if not on science and mind, some enemy considerations can be noticed. If we are here, they have also right to be here. The point is to live altogether, for confirming the rights, in satisfactory manner and in benefit for utility all, gain to gain by sharing the nature.

1. ***Before make a commitment, we should know the reality, the true evidences, not considering the fantasies or nonscientific factors, all are fiction.*** The intended to change means the destruction of the reality, the outcome will not lead to goodness.
2. ***Thoughts and philosophies cannot be considered as phantasies, they are considering the future, by forth, under basic considerations. Main diffraction is, one for desires and wishes, other is for goodness and benefit for individual and to the community.*** Thoughts cannot be leading to unhuman aspects.
3. ***Nothing is same, may be similar considerations but, each court order is special, as for each person the treatment is different as physicians make a tailoring of the science.*** The nature is unique, living organisms live only once.

4. ***If we are hesitated the truth and the reality, we don't judge, let the nature be as it is, so, the outcome be on natural perspectives, not satay it is, it will regenerate and be compensate the situations.*** The best sometimes not to do anything, just observe the nature.
5. ***The heir of the humanity from the past is the nature, so, we should be left the environment to be a livable for the future.*** The basic principle for the future we must discussed, what will be in tomorrow.
6. ***Gender is very important for the organisms, not even for Human beings, for every other organism, reconstructed the future on new genetic codes.*** The nature is therefore, now copy for the past, new genetic perspectives going on.
7. ***Loving, believing and internal affairs may be blurring the sights, to be righteous decision, first on the scientific concepts, by ethical confrontation and be human and empathy be on.*** The rights will not be depending on richness, availability, personal desires, not causing damage and harm, not from evil procedures, to be cruel on to do.
8. ***If you believe the wrong, evil and use the facilities for yourself not considered the other rights, be on the science and evidences, use the mind and get rid of the unjust ones.*** The administration must be in ethical on empathy considerations.
9. ***Peace and be on peace the only expecting and the target to be on, considering the Human Rights, the ethical principles so social, cultural as peaceful world.*** The aim must be o be on peace.
10. ***Before death, we must to be on humanity, the life is short, so to be a curative and serving one for the nature.*** Today will be the day, tomorrow will not be.
11. ***The environmental status indicates the past, what is going on, the attitudes, the performed ones, so, the result is today.*** We must be reconstructing, the nature, be on the natural perspective.
12. ***The natural laws are the reality that we should be accept, we ought to obey the science, nothing can change or disturb it.***
13. ***Not to be assume the nature is powerless, if you make harm, it will be effected your, the harm return you, in some huge manners.***
14. ***The science commends us, to be on the way of logical concepts, as medicine for physicians guiding the role model and be on systematic notions.***
15. ***The education mainly to be personal culture civilization on humanistic perspective on ethical recommendations. Justice on the behavior on scientifically balancing the rights.***
16. ***Cruelty and oppression on individuals and comment them, not cancelling autonomy of civil rights, liberties.***
17. ***When there is a destruction of the nature is confirmed, first approach be regretful, forgiveness is the compensation aspect to be done, if time is wasted more degenerative process can be Therefore, continuous actions and caring and protection in a part of the surveillance for good. It is a continuous job or act to nature.***
18. ***Be a slave, not used their mind and decisions, mostly be harm to nature, the community and to themselves, because of the behavior is for other desires, not on humanity concepts.***
19. ***First act must be your environment, because you live that habitat.*** The natural environment must be confirmed, like breast feeding or other supportive perspectives.
20. ***In nature, nothing is get lost or even found, only some contributions and some damaging effects, single destruction the microbiomes will be a reciprocal effect to as danger.***
21. ***Be a friend, not be on quarrel, or fight with nature, consider all the aspects as friend and make them friend by selection of goodness ones.***
22. ***If you are in balance with the nature, not be afraid off, just to be on the way to go.*** Be on the scientific road, an ethical and humanistic.
23. ***Before estimation the future, must live today, considering the environment today, be on goodness and utility for nature.***

24. ***When there is a conflict, to be on scientific concepts, to be on the righteous way, if something directive on the way, can be guiding to choose, thus, all times to be on peace and be for goodness and benefit to humanity.***
25. ***Be in justice, be on the balance, confirm all the sides benefit, be save and care the nature, even more important for ourselves.***
26. ***It is more obvious, who degenerates or disturb, or even make harm the nature, they will be the looser, sooner or later but always this is the truth.***
27. ***Fighting will not be a solution, friendship in peace can be a leading solution to be in this universe with microbiomes and with other concepts, as the science will be the guiding one.***

Comment

To be on the beneficial from all the aspects, means to be on scientific concepts, for the nature, the person and for the community, the social aspects.

Every application must therefore, on ethical principles lead to humanistic results benefit to everyone. Care and serve basically microbiomes, meaning to human,

Conclusion

We owe our life to the fundamentals of photosynthesis form micro flora; algae, fungi and microorganism.
We should respect them and the life construction building stands on this colon on micro-organisms. If we destroy the base, how will be the life pyramid will be stand on? Because the only energy production is from photosynthesis; microflora.

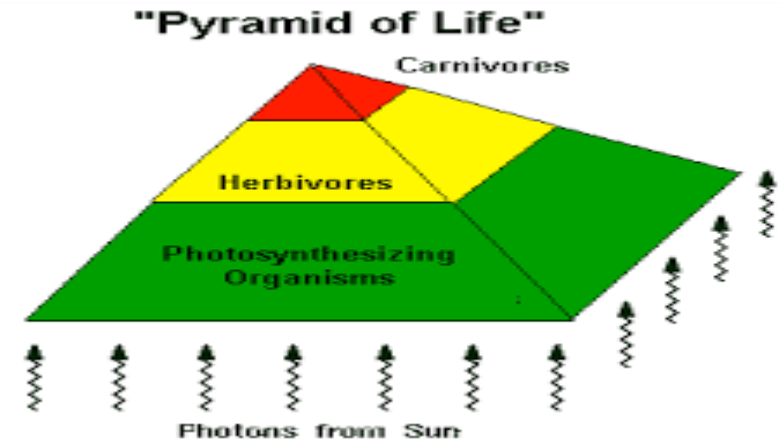

Figure 12/5: The photosynthesis the base, and all the life standup on this reality.

The environment is our habitat, that we live and survive. But for the newborns this is newly established. Who wants their babies will be in evil conditions by the aspect of the micro-organisms? So, the best, the natural conditions nowadays must be arranged before the delivery. As breast feeding, vaginal delivery and so on perceptions are the humanity feature to be admire with.

We waste so quickly the fuel energy

General types of chemical fuel energy can be obtainable from; a) solid fuels, wood, coal etc., b) liquid fuels, as petroleum, and c) gaseous fuels, natural gases, propane etc.
Homo sapiens, sapiens nearly more than 3 thousand yeas used as an energy, form the organic fuels.
First the solid, then liquid and now gaseous ones want to be in use. The cultural industrial evaluation, the construction of the machines used huge amounts of this energy. After 1970's more economical cars and other equipment's are reconstructed and the percentage of using the fuel as petroleum is reduced, e.g. in cars, 35 Liter/100 Km, to 4 Liter/100 Km.
We use the energy of the past formed, from the natural evolution, but what we will do for the future? Remaining dust and more and more CO2 causing environmental pollution. Basically, this influenced at the community at the first line, newborns and preterm.
The last word is find another safe energy resources.

What will be in usefulness for the Neonatology?

The preterm infant's conditions so vulnerable and be balances carefully. To give oxygen is not satisfactory for oxygenation. The body cells some as fishes in an aquarium, by establishing the environment of the cells, we have realized the condition, the blood samples can sometimes not configurated the cell, internal situations as mitochondrial conditions. To perform green algae living conditions not the harm ones, in the aquarium is the primum perspectives, must modify as in our body. Preterm are most vulnerable. To consider only the blood gas samples are not satisfactory form the starting point. After the condition is settled it can be diagnosable but, hard to treat or to be stabilized again.

Microbiomes let to be in the mucus, the sebum and the covering layer of the skin. For serving and protection. So, we should be aware of them, care and serve them, for our benefit. Mother milk, breast feeding and vaginal delivery must be in concern, to established natural conditions, rather than giving microbiomes. Please give microbiomes to mother, by her natural selection the preterm infants get it, by one hit, double effect.