

## ECOLOGICAL PLAGUES WHICH ARE THREATENING THE FUTURE OF HUMAN BEING AND EARTH

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**Rezumat.** *Articolul realizează o comparație între mitul biblic al plăgilor trimise de către Iahve poporului egiptean drept pedeapsă și gravele dezechilibre ecologice („plăgile” epocii moderne, ale industrializării și ale tehnologizării excesive) provocate de comportamentul necontrolat și agresiv al ființei umane. Ultimele sunt înfinit mai grave, din cauza amplitudinii lor fără precedent ce poate conduce chiar la încetarea existenței umane și a vieții pe Pământ.*

**Abstract.** *Starting from Egyptian Plagues presented in Biblical essay as punishments of Pharaoh and Egyptians, we saw that human being provoked grave plagues through his own uncontrolled behaviour into nature. These plagues are graver, because of their ecological type which could damage both humanity existence and life on Terra. If lands used for agriculture continuing to exploit these soils and the harvests become smaller, if level of phreatic waters is diminished continuously, if lawns become deserts and animals are starved to death, if natural sources of fishes collapsed, if temperatures growing up as a consequence of greenhouse effect, if pollution will not be controlled, if terrorism and antiterrorism will know an exponential development, if aliments will be modify continuously, and if all these will be happen because of uncontrolled human behaviour, than, maybe, we understand that plagues provoked human against nature will be transformed in real wraths.*

**Keywords:** greenhouse effect, nature, terrorism and antiterrorism

### Introduction

Based on Biblical Essay, the creation of human being was a very special creation act. The rest of creation was made based only on God's Word: „God said and it was done”. But, first of all, the human being was been modelled from dust, in his own image. After that, God spreading His „Devine Breathing” on His creation and The Man became alive. Only in this way we could understand that Man is in God's own image.

„And God said, Let us make man in our image, after our likeness: and let them have dominion over the fish of the Sea, and over the fowl of the air, and over the cattle, and over all the earth, and over every creeping thing that crept upon the earth” (Genesis, 1, 28).

Although the human body was made from dust, in the same way like the other living things, he received life through „Divine Breathing”, spirit from Holly

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Spirit, the man is in God's own image. God's image was received through dust modelling, and Spirit was given by „Divine Breathing”.

Through nature of his own creation, man became Creation King and he was blessed by God as „Master of Nature”.

The man didn't understand entirely his special position in front of whole creation and the significance of this position. The disobedience begin from Heaven, when our protoparents, Adam and Eve, encroaching the Divine Interdiction referring to not eat fruits from the „Tree of Life and Knowledge”.

The Creation King and Master of Nature changed the meaning of „master” word. The Master takes care of his servants, he doesn't oppress them. As well as Jesus said, The Master is the servant of his servants. Gradually, the man became an enemy of nature, and his actions against nature has a huge dimensions in ours days.

The man runs wild as much as he move from God's face, and God was forced to clean the whole human misery through a cataclysm. He wants to offer a clear land to Noah's descendants.

In this way, God shows us His power and He realize an agreement with man (with Noah) to not punish him so radical, especially if he will respect His demands.

The obedience didn't arrive soon. God was forced to punish The Pharaoh and the Egyptians because they are against the liberation of Hebrew people. Those ten calamities (plagues) spreading on Egypt was God's punishments through God punished the Egyptians and demonstrated His power. Only god could, in the same time, to punish Egyptians and to protect Hebrews (representatives of Chosen People).

The Chosen People have to raise a thanksgiving hymn and many glory poems for God, because He gets them out of slavery. He protected them against Pharaoh's anger and helps them to cross The Red Sea. God's kind actions were been forgotten and some of Hebrews begin to pray to some other idols and start to utter blasphemy against God. Then, it was necessary to control the human behaviour and to manage it to the right way. God sent, trough Moses, “The Ten Commandments”, used for calm down the people and to stop their unnatural actions.

The Divine Commandments enforce a human behaviour really responsible in front of the other people and nature, full of love for God.

The Biblical Essay presents rules for whole human behaviour. There are registered punishments which could be annulled depending on action types: “And

if *any* mischief follow, then they shall give life for life, eye for eye, tooth for tooth, hand for hand, foot for foot, burning for burning, wound for wound, stripe for stripe” (Exodus, 21, 23-25).

We are impressed by measures applied to whom generate environment destructions. The bad people receive punishments which stop them to make other damages against nature. If this kind of punishments would be applied in our days, maybe the nature will be as wonderful as Heaven’s Garden.

“If a man shall cause a field or vineyard to be eaten, and shall put in his beast, and shall feed in another man’s field; of the best of his own field, and of the best of his own vineyard, shall he make restitution. If fire break out, and catch in thorns, so that the stacks of corn, or the standing corn, or the field, be consumed *therewith*; he that kindled the fire shall surely make restitution” (Exodus, 22, 5, 6).

Sometimes, God punished people in a direct way. It is enough to talk about The Great Flood which generated the destruction of Sodom and Gomorrah. Only for the encroachment of The Divine Commandments, God could punish people into an indirect way.

The Egyptian’s plagues used by God to punish them for their disobedience were been miracles which demonstrated The Divine Powerful.

In fact, those ten plagues are ten natural phenomena released by God. Those miracles were defined through their intensity, moment of the beginning and their selective effects. The Hebrew people are protected all the time against those plagues.

God’s punishment could be send into an indirectly way. Through the encroachment of The Ten Commandments, people release huge unbalances into nature, which could turn back against them as a boomerang.

Through his behaviour, man could release real plagues of nature, ecological plagues which generate consequences on their existence as Divine Punishments.

### **THE EGYPTIAN PLAGUES (CALAMITIES)**

As we already mentioned, the Egyptian plagues are natural phenomena which were intensified and generate to frighten Egyptian people.

**1. Waters transformed into blood.** This represents a “flowering” phenomenon of waters through the exponential development of some red alga species. The water eutrophy with biogenic or organic substances determines an exponential development of algal cells through so-called alga “flowering”. It is well known the fact that some Dinoflagellate (for example, *Protogonyaulax*,

Gonyaulax and Gymnodinium) generate so-called Red Tides. We don't know which species were been responsible for waters "flowering" during Ancient Egypt, but their "flowering" could be generated by the effects presented into Biblical Essay: "And the fish that *was* in the river died; and the river stank, and the Egyptians could not drink of the water of the river; and there was blood throughout all the land of Egypt." (Exodus, 7, 21).

In our days, as a consequence of pollution, people generate waters eutropy, which realize the apparition of some waters "flowering" phenomena with catastrophic effects.

**2. Frogs.** Those animals overwhelm the Egyptians through their huge number. Their exponential multiplication could be forced by natural causes.

*"And the river shall bring forth frogs abundantly, which shall go up and come into your houses, into thy bedchambers, upon yours beds, into the houses of yours servants and upon yours people, and into yours ovens, and into yours dough"* (Exodus, 8, 3).

The discomfort generated by their presence frighten the Egyptians, because they known that those animals representing the Divine Punishment.

**3. Louses.** Louses destroyed human lives from all times through the diseases which they spread out (for example, typhus etc.). Their presence in a large number on your clothes is a real stress for us. In 1946, I saw many louses moving on a pew into a wagon of the third class. The image was apocalyptic. A plague like this had to frighten the Egyptian.

**4. Flies.** This is about gadflies. *"And the Lord did so; and there came a grievous swarm of gadflies into the house of Pharaoh, and into his servants' houses, and into all the land of Egypt: the land was corrupted by reason of the swarm gad flies"* (Exodus, 8, 24). We could believe than those flies generate the disappearance of frogs which invade the Egyptians. The stress generate by those swarms of flies could be unendurable.

**5. Plague of cattle.** This is an epizooty generated by God for The Egyptians punishment. The appearance of this phenomenon is easily to understand. Cattle of Hebrews were been protected, which that mean than the infestation source did not catch them up.

*"And the Lord did that thing on the morrow, and all the cattle of Egypt died: but of the cattle of the children of Israel died not one"* (Exodus, 9, 6).

**6. Black chickenpox.** This is an epidemic (infectious disease), but only for human beings.

The black chickenpox is generated by a pathogen agent easily spread out

by environment factors. The real wonder means that: the children of Israel were protected and the methods used for spreading out of those disease.

*“And they took ashes of the furnace, and stood before Pharaoh; and Moses sprinkled it up toward heaven; and it became a boil breaking forth with blains upon man, and upon cattle”* (Exodus, 9, 10). The description from Biblical Essay suggested that those phenomena acting as a modern bacteriological bomb with immunize methods which are used by military powers.

This comparative analogy is forced, but it warning us about human behaviour which could generate ecological plagues more intense that the fact which we already presented.

**7. Stone and fire.** These are natural phenomena, more and more frequent in our days. The Global Warming generated by us provokes meteorological phenomena which are manifesting, more often on small areas. So, we are not surprised that God sent stone and fire on the Egyptian people.

*“And Moses stretched forth his rod toward heaven: and the Lord sent thunder and hail, and the fire ran along upon the ground; and the Lord rained hail upon the land of Egypt”* (Exodus, 9, 23).

We already know that man could provoke artificial rains. We talk about a so-called “meteorological war”. The intensity of some hurricanes and torrential rains which are more frequently and which provoke catastrophic inundations seems to be influenced by humans.

**8. Locusts.** They represent a pest maintained during millenniums. Africa favoured exponential increase of locusts. The locust clouds are favoured by some ecological factors. A locusts cloud could destroy cultures from thousands of hectares.

**9. Three days darkness.** The darkness dominated the Egypt during three days. There was a natural phenomenon. We could believe than it could talk about an eclipse. We found an explanation into the previous plague. For the clouds of locust’s elimination, at the request of the Pharaoh, Lord God turned on a strong west wind. This strong wind sent the locusts into Red Sea: *“And the Lord God turned a mighty strong west wind, which took away the locusts, and cast them into the Red sea; there remained not one locust in all the coasts of Egypt”* (Exodus, 10, 19).

It seems than this strong storm rise up millions tones of dust which covered the Sun. Only a phenomenon like this could cover the Sun during such long period of time.

**10. Death of the first-born children.** This plague is the most serious and

enigmatic. And the children of Israel were been protected again. The Lord warning the Hebrews and teaching them how to proceed against this tenth wrath, and He immunized them.

*“And the blood shall be to you for a token upon the houses where you are: when I see the blood, I will pass over you, and the plague shall not be upon you to destroy you, when I smite the land of Egypt”* (Exodus, 12, 13).

God asked to the Hebrews to make the recognition sign with lamb blood on the front door.

After He realize the protection for all children of Israel, there were been generated the tenth plague.

*And it came to pass, that at midnight the Lord smote all the first-born in the land of Egypt, from the first-born of Pharaoh that sitting on his throne unto the first-born of the captive that was in the dungeon; and all the first-born of cattle”* (Exodus, 12, 29).

Affection of the first-born children could be correlated with low available in Egypt, which given to them major rights in all families. It is difficult for us to apply this principle on cattle. It seems that first-born children could be in direct contact with a special pathogenic agent (which infected foods, drinks etc.) during a longer period of time. It is hard to admit than first-born children from prisons could have special benefits. It is very difficult to explain this plague, but it is clear than this plague was based on a natural cause.

The plagues used by God against Egyptians demonstrate to us power of Lord. They are true lessons for all who do not respect His Commandments.

We return to the idea than Egypt plagues are God’s wonders based on natural phenomena. Today, the human being could provoke some ecological plagues as dangerous as plagues of Egypt or more than that.

Ecological plagues, which threaten the human existence into The Third Millennium, are generated by people as a consequence of his disobedience of Divine Commandments. They could be turning back not only against human, but against nature.

The man proclaimed itself “Masters of Earth” who have the supreme right to transform the nature based on his own wishes and interests, without a real understanding of its mysteries.

The Biblical Essay is a Handbook which tries to lead human steps. In this context, human has to live together with nature and other humans in peace and harmony.

The Old Testament enforced punishments for persons who didn't respect "The Ten Commandments" of God and asked a right payment ("soul for soul, eye for eye, tooth for tooth ...). The New Testament enforced a new law of "love for other people".

The man of our days rise himself as gods, and up there, he didn't respect God's "The Ten Commandments". He lives against his neighbors, nature, principles and, even, against God. Through his uncontrolled behaviour, human beings of our times provoke disturb of nature balance from ecological point of view. These problems could be more dangerous than Egyptian plagues.

Into the following study, we want to warn people referring to ecological plague provoked by human beings who could have dangerous effects not only on their existence, but on the existence of the entire planet.

### **ECOLOGICAL PLAGUES**

It is certainly than ancient people saw human being as "The Master of Nature" and they advice him to respect nature. Our own redefinition starts to be more evidence at the beginning of Industrial Revolution, before three hundred years ago.

The first human beings who proclaimed itself "Masters of Earth" were been, after Ross and Howard Chering, first cultivators, who fight for lands with nomads from Early Middle East (Middle Orient). The nomads are not free to move into nature together their cattle because of gardens guarded against them.

It seems than ours separating by nature pointed a critical point in XVII century, together with the born of modern science, when soul were been separated by body, conformable to Rene Descartes thoughts.

Negation of soul separated us from nature. When he regains the "Masters of Nature" role, human being starting to assume the right of nature transforming and he turns back against nature.

The life on Earth had a continuous biological evolution, until human apparition. In the same time with *Homo sapiens*, there appeared a new phenomenon into nature, unknown even it was been identified at few groups of animals. We talk about psycho-cultural evolution, than representing something new for the Universe. It seems like the Biosphere passed through endless stages of its evolution and coming up through human, to the capacity of thinking, to its own inside knowing and to evaluate of its own position inside of Universe (Mustață Gh. and Mustață Mariana, 2002).

Human raises life to spiritual dimensions. It seems like "evolution recognize its own evolution", as Julien Huxley said (Mustață Gh. and Mustață Mariana, 2001).

Teilhard de Chardin (1955) discovered noosphere as a cortex of Earth, to result from human intelligence. Is the noosphere something like an extra-human conscience? **Gaia Concept** (hypothesis) was been elaborated by J. Lovelock. He suggested that there is an supra-human entity – Terra, who could live without human being (Lovelock J., 1999). People behaving like microorganisms, which disturbing their normal function and affect both geological sublayer and its own living cortex. If Gaia reached to have conscience, during its evolution, than it could used it to preserve its existence. Besides, Hans Jonas (1966, 2000) consider than „*nature could not takes a bigger responsibility than to let the man to go out*”.

Human being apparition deserves any evolution risk. But, it is necessary a control of *Homo sapiens* behaviour. Biblical essay demonstrating to us than Lord God interfere, when it was really necessary, and enforced those ten commandments, through which the human behaviour was disciplined.

But Jesus Christ bring new commandments, used for towards human behaviour on the right way. We considered than it is necessary a reconsideration of the „Master of Nature” concept. A master of nature is preoccupied by his servants, does not oppress or eliminate them from this existence. The Master becomes a servant of his servants without to be inferior to them, but on the contrary.

Jesus washed feet of His disciples during **The Last Supper** and teached them how to they have to behave.

*„14. If I then, your Lord and Master, have washed your feet; ye also ought to wash one another’s feet.*

*15. For I have given you an example that ye should do as I have done to you.*

*16. Verily, verily, I say to you: The servant is not greater than his lord; neither had he that is sent greater than he that sent him.” (John, 13, 14, 15, 16).*

This commandment given by Jesus is clear concerning the relationship between master and his servants and between humans.

It seems that humans take the liberty to not respect the divine commandments and, through their behaviour, provoke serious damages to Earth. Wounds provoked could be turning back, as a boomerang, against humans, but more dangerous than plagues of Egypt. These are ecological plagues, which are not generated by Lord God, but they representing a feedback of human uncontrolled and irrational interventions into nature. Where they are released, were been very difficult to stop them.

We could hope than humanity realizes that and it could understand its present situation and it restore his position into nature “*before it will be too late*” (Dorst J., 1969).

Ecological plagues could create an avalanche effect which is difficult to control it.

### **1. Greenhouse effect and global warming**

#### **The accumulation of CO<sub>2</sub> and other kind of gaseous substances with greenhouse effect and global warming – human cataclysm**

Greenhouse effect is provoked by a huge accumulation of CO<sub>2</sub> and other gaseous substances into atmosphere. This phenomenon was been observed in 1980, when James Hansen from NASA concluded that emissions of CO<sub>2</sub> and other gases generated when petroleum and some other combustibles burning rise up the globe temperature (Hubert Reeves, 2005).

At a consequence of the alarm signal launches by J. Hansen, ONU-IPCC (International Panel on Climate Change) forming a commission for analysis of this situation. IPCC confirmed that warming during the last 50 years were been generated by human activity. If medium Earth temperatures rise in the XX century with 1°C, from 1990 warming rate has a more fast growing. If this rhythm is keeping, it would be possible that in XXI century, the global temperature would growing with 1,5-5°C or even more, warning IPCC (Hubert Reeves, 2005).

Among these greenhouses effect substances (GES), there were been included methane gas and aqueous vapors. Vapors emitted contributing to the permanent growing of temperatures, and this generate a bigger evaporation of oceanic waters, as an “avalanche” effect.

The growing of temperature determines the melting of glaciers from polar and sub polar areas. Huge quantities of methane gas are sequestered by crystalline glaciers. Through glaciers melting, there were remitted huge methane gas quantities. Methane gas provokes a greenhouse effect by ten times bigger than CO<sub>2</sub>.

Effects of global warming are very dangerous for the next evolution of human being (Hubert Reeves, 2005; Robert Neil, 2002; Lester Brown, 2002, 2006):

- Deserts will grow and they will take hold of arable areas;
- It takes place a migration of flora and fauna through poles;
- The glaciers from whole planet becoming smaller very fast, including Larsen B threshold from Antarctica;
- The thermal dilatation of water and glaciers melt from Arctica and

Antarctica will grow the ocean level with few meters and it takes hold of thousands of km<sup>2</sup> of coast including localities;

- As oceans get warming, as storms becomes more powerful and frequently; this phenomenon begin to show its consequences;

- Europe is confronting with major disasters provoked by inundation;

- Global warming generated not only inundations, but prolonged droughts;

- The ancient rhythm of seasons from temperate areas will be changed (Al. Gore, 2007);

- Many species are threatened by extinction, as a consequence of global warming (Leveque, 1997; Pullin, 2002);

- Coral reefs will be whitening as a consequence of global warming, they will lose zooxantels, but rhythm growing will decreasing continuously;

- Huge waves of alga from warm waters demonstrating the presence of a disequilibrium provoked by antropic impacts (Al. Gore, 2007);

- Red high tide from Florida representing a similar phenomenon (Al. Gore, 2007);

- Global warming determining permitting the ascending of mosquito to high altitude (remembering by another plague of Egypt);

- Global warming provoked both appearance of new kind of diseases and reappearance of old diseases which were been considered as eradicated (new plagues which will attempt humanity, similarly with Egyptian plagues).

All these were been provoked by man, through they uncontrolled behaviour into nature.

Ecological plagues do not appear as a punishment comes from God, but as self-flagellation generated by so-called "Master of Nature", who is turning back against NATURE.

## **2. Destruction of ozone layer**

The famous ozone layer which protecting Terra against UV and cosmic radiations and providing life on Terra. It is situated at 25 km far for terrestrial cortex. Is "**Good Ozone**" very useful? This layer filtering UV rays from Sun and make possible the keeping of life on Terra (Hubert Reeves, 2005).

"**Bad Ozone**" is a natural product, which was been formed both during some powerful storms, and through oxides and hydro carbonates of nitrogen generated by vehicles. Vehicle movements produce huge quantities of "bad ozone". It is called "bad" because of its nocive effect on beings. Its oxidative

power modifying the permeability of cell membrane and disturb respiration and photosynthesis. At human beings, it producing irritations of eyes and nasal mucous membrane. **"Bad Ozone"** is situated near by soil.

We found here a paradox determined by anthropic impact on the environment: on the one hand „good ozone” is destructed, but, on the other hand, „bad ozone” is generating continuously in huge quantities.

In 1985, it was been observed a decreasing of ozone layer. The decreasing of ozone layer reaches, in some areas, even 70%.

Causes of ozone layer destruction are: industrial gases, especially chlorofluorocarbons (CFC). These gases were been accumulated in atmosphere and then rise up in stratosphere, where they are destroyed by UV rays and producing colored molecules which destroying ozone. CFC is used as aerosols on refrigerators. In 1970 were been produced approximate one million of tones. In 1987, 150 countries approved The Protocol from Montreal, which prohibit producing of CFC. India and China did not sign this Protocol. It presumes that CO<sub>2</sub> contributing to “good ozone” deterioration. Gases with greenhouse effect get warming at soil surface, but upper layers get cold. That means than global warming of Terra could generates a destruction of ozone layer as a consequence.

This plague threatens from sky-high. We have to control ours behaviour and we have to return to nature. If we don't do it, UV rays will destroy all life on Terra.

### **3. Deterioration of soils and desertification**

Human provokes actions in cascade system: forests break up, grazing fields deteriorations, soil erosions, extending of water needs, desertification.

Deforestations began in the same time with agriculture practiced on a large scale; today, from other reasons, this process is continuing. There were broken up or burned huge surfaces of forests. After that, these surfaces were been used for growing of plant cultures. It seems that, at a right moment, there were been registered an equilibrium. In present, these problems come back, but in a more aggressive way, because of many unreasonable interests: running for enrichment and financial society extensions. In Amazon Basin, millions of hectares of tropical forests are break up with authority indulgence from countries on this area. This effort is disastrous both for these ecosystems and for the whole planet (Menatti, 1988; Pullin, 2002).

At the same time as population growing, its needs for woods and timbers are growing too. Wood-cutters have broken up, in last decades, almost all forests from Sulawesi. It was estimates than, until 2010, tropical forests from Sumatra will disappear. In Myanmar, in 1949, forests covered 21% from country surface.

Now, there are forests only on 7% from this surface. In Ethiopia, forests were been reduced, in the last forty years, from 40 millions of hectares to 2.7 millions of hectares. In Philippines, forests were been reduced, from 16 millions of hectares to 700,000 millions of hectares (Brown L., 2002; Alonso et col., 2001).

Many of wooden places were been broken up for using these surfaces for meadows (Harribey, 1998). In the ancient times, Mesopotamia was been a real Eden. But, when industries of wool processing and clothes manufacturing were been developed in an aggressive way, large surfaces of forests were broken up. These surface were been used for meadows, and that Eden were been transformed in Desert.

The intensive grazing reduces meadows productivity. Meadows representing 1/5 from Earth dry surface, but these are transformed gradually in desert. In Africa are 230 millions of cattle, 246 millions of sheep and 175 millions of goats; their number is bigger than productive capacity of meadows by 1,5 times.

The growing of human population from 2.5 billion in 1950 to 6.1 billion in 2000, were been accompanied by: flocks of cattle growing from 720 million animals to 1053 million animals, and flocks of sheep and goats growing from 1004 to 1750 million animals (H. Reeves, 2005, Angelstam P., 1999).

Meadows from Africa, Middle East, Central Asia, India and China were been degraded and transformed in deserts. Soils were been degraded, and storms spread out dust on large surfaces. A dust storm from NV of China provoked some serious problems for airport from Lhosa, Tibet capital, for three days it was closed. Dust storm from Central Asia, Saharan Africa and Caribbean Islands reminds us by the continuous desertification.

Desertification is determined by extension of water absence (Brown L., 2006). Water absence starting to becomes a real problem for many areas where cultures were been irrigated. Huge water quantities pumped from soil for irrigations generated alarmed decreasing of phreatic waters. In the same times, fountains, rivers and lakes are dry up and soil is degraded (Desbrosses P., 1998).

It could be observed than human provokes something like a deterioration of nature in cascade way.

Even human being, "Master" of nature, becomes to realize the real danger which threatened him, he is not conscious yet. Maybe, because some obscure forces more powerful than him, which do not abandon all immediate benefits with any involved costs.

This plague, soil deterioration and desertification, is extended as a kind of herpes on Terra body, which imposing humanity awakening before will be to late.

It imposes a passing from **Ecology** to **Econology** (green economy).

**Ecology** opens up the way for us to know the mode of self-husbandry of nature and relationships between species and between these species and their environment. **Econology** provoke us to become conscious referring to rehabilitation of some ecological measures.

An agriculture which respects nature, protected soil, consumes low quantity of fossil energy, and does not use chemical synthesis products. This agriculture represents a healthiness source for human being and it creating work-places (Reeves H., 2005).

#### 4. Extension of water absence

Water absence is more underestimated problem of resources, which world are confronted with. But, it will have a bomb effect (Reeves H., 2005; Brown L., 2006).

Water absence is due to agricultural methods, which need more many irrigated surfaces for cultures. In 1998-1999, irrigated surface have grown from 271 to 274 million hectares. As a consequence of excessive water pumping for irrigations, level of phreatic water were been seriously diminished. In Yemen, water extraction overdo it limits by five times the restoration by a natural way, and the phreatic waters level decreasing with 8 m, and it provokes dry up of drawing-off wells. In USA people were been warned concerning about serious damaged of phreatic waters, because of the excessive pumping of waters used for irrigations. Water consumption in agriculture is huge; for 1 tone of cereals were been used, through irrigations, 1000 tones of water. Water quantity which is necessary for production of cereals and other farming products imported from Middle East and North of Africa is the same, in 2004, like annual discharge of Nil at Assuan.

It is a correlation between water deficit and cereals import. Situation becomes more critical because of the phreatic waters diminishing which is higher than former year (Neil Roberts, 2002).

Water need is tripled in the last fifty years; consequences were been observed in: water flows, fountains dry-up and disappearance of some lakes. Some rivers dry-up for few months in a year: Colorado (USA), Amu Darya (Central Asia), Yellow River (China), Indus River (Pakistan) etc.

During forty years, the sixth lake from world, Chad Lake going to disappear very soon; it was diminished its surfaces with 95%. In China, in the same period, were disappeared 1000 lakes; Aral Sea starting to disappear (Brown L., 2006).

Disturbances provided by human being could not be controlled. Precipitation quantities from globe have grown with 20% in the last century. However, in some areas, precipitation levels were been diminished seriously: Africa, S-E of Asia, South America etc.

Out of water absence which becomes more seriously, we have to add the fact that more than 80% of potable water from surface is more or less polluted. In Europe, almost 80% from surface waters are not clean but seriously polluted.

The effects of human uncontrolled actions develop few consequences which acting in cascade, and they are very difficult to stop or to control them.

Humanity is responsible by releasing of a very dangerous plague on large areas from this planet.

### **5. Pollution scourge**

Pollution is the most dangerous plague makes by humans in the 20<sup>th</sup> century (Moore H.W., 1983). The beginning were been realized in 19<sup>th</sup> century, in the same time with industry development. It was born when DDT was been synthesized and used frequently against pests from agriculture domain. Millions of tones of DDT were been spread out on agricultural areas, forests and nursery-trees, and it has a fulminatory success at the beginning.

Agriculturists do not accept cu pay a percentage from their work to the insects and not only.

Manufacturing of pesticide creates a new industry with many tentacles, like a huge octopus, across whole planet. Today, there are manufactured thousands kinds of pesticide, herbicide and chemical fertilizers. Agriculture prospered for a long period, but catastrophic accumulations of toxic substances starting to act against it. Chemical weapon becomes like a two-edged sword. One of it is orientated to pests, and the second is orientated to humans. Remanence and concentrations of toxic substances, into pathway of trophic chain, starting to show some real aspects of the chemical weapon actions. Pollution subdues waters, soils and atmosphere from a pole to other. Toxic substances accumulated in soil were been moved by waters towards ocean. When DDT concentrate was identified adipose tissues of penguins from Antarctica areas, humans realize the danger. First measure was to forbid synthesis and using of DDT. This measure was first intelligent reaction of modern human. It was only as one snowdrop, but it does not bring springtime. The DDT was replaced by thousands of other toxic substances, some of them more powerful. Pesticide monopoly is so powerful than we don't think that it will stop someday.

It was demonstrate that pollutants provokes more than 37 forms of cancer, but they are responsible for many other diseases of some organs (hearts, kidneys,

liver), diabetes, deafness, sperm degradation, Alzheimer, etc. At present, we consider that it manufacturing over 100.000 chemical products which keeping active the pollution phenomenon.

At the whole chemical arsenal we have to add radioactive pollution and black flux for a perfect imagine of this phenomenon.

Pollution effect is reflected in health of human population and nature.

In 2005, analysis made on 100 newborn children from USA evidencing the presence of 287 chemical substances in their blood: 180 of them producing cancer, 217 of them are toxic for brain and nervous system, 208 of them determining malformations and abnormal development of their bodies (Reeves H., 2005).

Waters pollution is manifested through exponential growing of alga „flowering”, with serious consequences on biodiversity; atmospheric pollution had generated acid rains, with dramatic effects on plants and animals; soil pollution conducting to repletion with chemical substances and diminishing of productivity in agriculture domain (Primack et coll., 2002).

Acid rains seem to bring death from sky. Clouds wander long distances and pass over borders. Water drops which are liberated become real bombs where they are dropped. Abundant rains were been transformed in fire rains which ravaging land. Forests and lands are burned by acid rains, and their fruits become fruits of „anger”.

## **6. Dirt of Planet**

During the last two decades, it talks about durable development of this planet. The initiative is more than laudable, but, for now, we just talk about this subject. Essential aspect is named by a question: what kind of planet we give to ours descendants?

Mythology presents to us Hercules works given by Euristeu, King of Trinit. One of these works was to clean the Agios stables (Reeves H., 2005). This work were been considered over the human power. It seems that ancient myth could be applied to the whole planet. Planet dirt becomes a problem of surviving. Beaches of some seas are covered by petroleum, as a consequence of many shipwrecks of petroleum tanks; seas and oceans becomes to “flowering”, like swamps, because loading of biogenic substances and pollutants; huge waves of alga and marine animals are deposited on littoral, and, tens tones of death fishes are pitched on beaches which determined apparition of a pestilential smell; industrial waste products, agricultural and domestic products transforming urban and rural environments in huge deposits of trash; plastic waste covering whole

planet from lands to forests, lakesides, gulfs, estuaries, oceanic islands and oasis from all deserts. All of them suffocate plants, animals and humans. From where coming so much dirt, Lord?

Deserts have different forms. Some waste products were been and still are functional, but they are not in trend. For example, sawdust becomes a dangerous pollutant for waters. Massive and uncontrolled break-up of forests generated huge mountains of sawdust which are not valorized and which are pitched in waters and provoking pollution.

Dirt of planet has, in the same time, some other aspects. Earth is profaned, seas and oceans become deposits for waste products or chemical and nuclear weapons. Every day humanity pays a tribute in lives because of bomb explosions which are discovered into soil accidentally from The Second World War times.

Thousands of kilometers are planted with antipersonal mines. It considered that more than 110 millions of anti-personal mines are planted in Africa (Angola, Zimbabwe); Middle East (Kurdistan, Afghanistan, Kashmir, Thailand, Vietnam, Cambodia), in ex-Yugoslavia, Georgia, Cecenia, etc. Instead of Earth cleaning, they are planting lethal weapons in some other areas. Ours chance for Earth cleaning is reduced, because the costs of anti-personal mines manufacturing (only 3 dollars), and a neutralizing of it costs almost 1000 dollars (Reeves H., 2005).

Chemical arsenal were been accumulated in quantities which could destroy whole life on Earth by five times.

Yperite, tabun, herd of half-wild horses, sarin and soman are gases extremely toxic which were been used in different wars. They are not forbidden and they are continuing to be produced. Although, there is an international accord which forbids manufacturing of these gases since 1983, it is hard to believe that all huge deposits of these substances will disappear. Russians promised to us that they will destroy 40.000 tones, and Americans 30.000 tones. If these deposits were been destroyed, whole solar system would know. It seems that huge deposits are situated in China, Israel, Iran, France, Egypt (Reeves H., 2007).

Concerning to the nuclear arsenal, humanity are threatened by two big dangers: big stocks of nuclear weapon and nuclear waste products generated by manufacturing of nuclear bombs.

Danger is generated by countries where the nuclear weapons are produced, and nuclear weapon exports is over control. How could the humanity to neutralize some deposits and some atomic waste products which are accumulated? Huge quantities of uranium and plutonium are deposited in thousands of nuclear ogive, hundreds of sovietic ships are abandoned with more than 24.000 tones of irradiate combustible with an uncontrolled atomic arsenal.

Waste products of pesticides covered our planet from a pole to another. It was identified DDT in adipose tissues both of penguins from Antarctica areas and persons from Polynesia who never heard about it.

DDT was synthesized and commercialized from 1938 and it was forbidden in 1972, but it had already spread more than three million tons of DDT (Moore H.W., 1983). The half-time period for DDT is about 30 years, and that's why it has to pass centuries for its disappearing. Today, there are used more than 100,000 of chemical products, some of them more toxic than DDT is. We could not escape by this scourge as long as big monopolies continue to have big benefits.

From dust we were created, and we return into it, but dust has been profaned by acid rains, the humus was mixed with pesticides, herbicides and fertilizers. Phreatic waters move downwards, protecting plants were replaced. Where plants were not grazed, they have to make a place to live everywhere in the middle of plastic waste products. If we continue to act like this, then we do not receive even dust.

## **7. Terrorism and antiterrorism**

First of all, we have to say that human is a predator. His force, enough common, has been amplified by working-tools. Human is the only one creative animal on Terra, he succeeds to manufacture tools for his interests, but more and more efficient. Only tools used for hunting become gradually war weapons. Humans transformed hunting in a real war. War is a kind of hunting, but not between humans and animals, but only between humans. People manufacturing fire-arms more and more sophisticated with a high power of destruction. More than that, people transformed war in genocide and terror. Gradually, terrorism becomes independent, and it will be associated, or not, with war.

At the beginning, terrorism was used only as a political weapon, as a form of political attempts. Gradually, it becomes a kind of fight against the supremacy of any state. Terrorism replaces war and provokes fast results which could be obtained only through armed fight.

Terrorism is used against civilians, or civil objectives, and it means a serious threat to obtain a political purpose.

Terrorism could be made by secret agents or sub-national groups against some uncombative targets. It has to influence populations or a part of it, as a major purpose (Andrew Lloyd Peter Mathews, 2002).

Terrorists are assassins. Just few of us know that the word „assassin” comes from Hassan Sabbah's terrorists who took drugs (hashish) and who were used to eliminate his political opponents. Assassination has been practiced and it still

practicing usually. A big wave of terrorism overflowed in the second half of the 20<sup>th</sup> century, as airplanes hijacks and person kidnapping. Aldo Moro, Prime-Minister of Italy, was a victim of political terrorism. Moral limits of terrorism were passed beyond, terrorists choose woman and children as targets. In 1985, terrorists provoked explosion of an airplane with 363 passengers on board (Ai India) (Llozd P., Mathews P., 2002).

Megaterrorism becomes a plague of the modern world which threatening all states (Sevillia J., 2004; Bernard J., 1994).

Terrorism generating antiterrorism. In 2001, General Meeting of O.N.U. adopted Convention Concerning Fight Against Terrorism. It seems that antiterrorism starting to use principles analogous with terrorism principles. It turns back not only against terrorists but against innocent people. Even the main purpose of antiterrorist fight is changed, and it becomes a kind of hegemony or an unconditioned occupation covered by the democracy veil. In antiterrorist fight died more people than in all terrorist attacks. Even Kosovo screenplay could be analyzed from this point of view.

We don't believe yet „rumors” which considering that the attack from 11-th of September 2001 was a screenplay very well directed by some occult forces, as a reason for their expansion. We are afraid than thirst of hegemony conducting to these kind of screenplays (for example, disaster could be higher than we can imagine).

Please, Lord takes care of us, beware us by this satanic plague – terrorism and antiterrorism!

### **8. Dement arming**

Anthropologists considering that human are a predator, and they are right. But, in these days, we are offending predators if we compare them with humans. Even, the most ferocious predators don't kill if only they are hungry, but humans attack for a lot of reasons (vanity, pride, power ecstasy and satanic ambition to subjugate of other).

Passion for arming appears when first stone-tools were been manufactured. Silex with the largest edge surface were been selected for hunting. The most penetrating extremities were been used for lances. Since that time until now, everything which were been made in sciences and technologies, were been used first of all to weapons improvements. But, weapons begin to aim not only animals, but other humans. Hunting was degenerate into war, and war passes beyond fight lows and it was been transformed in genocide.

As biologists, we understood that for animal world, this kind of life as predator constituting engine of evolution and biological progress. Paradoxically is

the fact that this principle is perfectly applied on humanity's social evolution. Arming and fight for supremacy constituting the technical society's evolution (by predator type) (Mustață Gh., Mustață M., 2002).

All of what humanity creates, more magnificent and important, were first used in wars, against other humans. Power of water vapors was first used, for the first time, in the manufacturing of warships more powerful; the raising up from soil and air conquest generated an exacerbated development of military aviation; discovering of dynamite disturbed the equilibrium of human society, and using of atomic powers provided invention of atomic bomb, one of the most powerful weapons used for huge destructions. There following hydrogen bomb and weapons used for massive destructions, which were tested not only in experiments for demonstration of their force to some other countries, but they were also used to kill other people.

Arming getting to paroxysm, but the competition is not finished yet. From terrestrial weapons, they pass to aerial weapons and from them to cosmic weapons (Reeves H., 2005).

Arming doesn't stop although the stocks of weapons used for mass destructions are sufficient for planet destruction by ten times.

The most diabolic weapon focused against humanity is biological. Biological weapons are by ten times more dangerous than atomic or hydrogen bombs. They could be manufactured based on microorganism (bacteria and viruses), biological toxic substances, hormones or neuropeptides, neuroparalyzing gases, etc. Bacteria were already used in arming process.

It is enough to mention that anthrax spores survive decades in soil, death is installing in three days after infection, and 1 g of botulinic toxin could provoke death of more than one million of people. These are only few examples to illustrate the dimensions of these aspects.

Lord God hits Egypt with Black Death of cattle and black chickenpox, together with other plagues. All these were registered into Biblical Essay, but how many wraths affected humanity and humans did not understand their sense?

Each period from human history were affected by significant and epidemic diseases which killed thousands and millions of people. Humanity paid its own tribute with human lives for malaria, yellow-fever, pestilence, cholera, typhus, tuberculosis etc.

Powerless, humans understood that both life and death are in God's hands. The tragedy started to grow up faster when, some epidemic diseases became to be provoked by humans using different pathogenic agents as weapons. Human

mind becomes diabolic sometimes.

Since ancient times, Romans throws off died bodies in potable waters used by enemies, and this generated important epidemic diseases. During Kaffa stronghold siege, the tartar army throws off over walls some plague-stricken bodies, and they generating an epidemic which were been moved across whole Medieval Europe and killed 25 millions of people (Lloyd A., Mathews P., 2002).

More recently, during colonization of American-Indian tribes, English people gifted to them blankets which covered some patients with smallpox. This action generated an epidemic with serious consequence on indigenes. Japanese have used, in 1910-1911, bombs with fleas contaminate with pestilence against Chinese.

The beginning was started when all people develop arming and they try to use biological bombs.

Epidemics generated by Ebola or H<sub>5</sub>N<sub>1</sub> viruses, and those generated by Hendra or Nipah viruses seems to be created in military laboratories.

Someone think that HIV<sub>1</sub> virus was been transformed in laboratories through hybridization of Visna and HTLV<sub>1</sub> viruses. Arguments were disproved, but in the last twenty years there appeared more than 30 new epidemic diseases (Lloyd A., Mathews P., 2002).

In 1972, Biological Weapons Convection were signed, but the researches were been continued in many countries.

There are countries with undeclared programs for manufacturing of this kind of weapons (Iran, Libya, Syria, China, Taiwan, etc.). USA recognized that it still manufacturing biological weapon in his own military factories from Utah.

People representing the biggest danger for humanity through ecological plagues generated by it.

### **9. Aliments deterioration. Sacred aliments transformed into poison**

Industrial processing of aliments generated their deterioration. For becoming commercial, aliments are „aided” with some substances which, normally, are not eaten up either food or alimentary ingredients. These are used during many specific processes (manufacture, processing, prepare, packing, transport and depositing) of alimentary products, and they are called „alimentary additives” or „E<sub>xxx</sub>” (Antonov C., 2006).

Producers have to mentioned on product labels what kind of alimentary additives were been used. Even all these information are mentioned, only less than 5% of people are complete informed about what is written on these labels.

Although, FAO and OMS analyzing all substances proposed as alimentary additives, it has been found that many of them are dangerous or very dangerous for people healthiness. The Ministry of Healthiness and Family imposed through O.M. No. 975/1998 a list with only 250 alimentary additives assumed from „Codex alimentarius”, we found that many of them are dangerous and they are forbidden in other countries.

In 11-th of October (2004), European Commission proposed a modification of 95/2 CE Directive concerning alimentary additives. Some substances were been eliminated and some other substances were been recommended. This could be a never-ending process, after millions of people were been affected. It is enough to nominate few additives which are extremely dangerous (Antonov C., 2006).

Additives which producing cancer: E<sub>131</sub>, E<sub>142</sub>, E<sub>211</sub>, E<sub>213</sub>, E<sub>214</sub>, E<sub>239</sub> and E<sub>330</sub>.

Additives which affected blood vessels: E<sub>250</sub>, E<sub>251</sub> and E<sub>252</sub>.

Additives which attacked nervous system: E<sub>311</sub> and E<sub>362</sub>.

Additives which producing digestive disorders: E<sub>338</sub>, E<sub>339</sub>, E<sub>340</sub>, E<sub>341</sub> and E<sub>463</sub>.

According to a report of Oncology National commission, the most dangerous aliments which have many toxins and we have to avoid them, are: margarine, gums, mustard oil, any kind of soda and sweets. All these aliments are on top of advertising industry from television to radio. All advertising products have to be forbidden.

Alimentary additives representing a real plague created and amplified humans; it puts humanity into danger, the main target is youth generations.

It could be considered that this is the most „tasted” plague, which is speeded like a cobweb and covered the whole planet.

Metropolis civilizations generated appearance of fast-foods and aliments processing with tens of alimentary additives which improve the taste and color of many hyper caloric and fade products. These products generated the malady of all times – obesity (Shiva V., 2001).

Medicine and pharmacology development based on synthesis drugs (more or less tested) provoked a diminishing of human immunitary system and appearance of some grave diseases, allergies, anxiety, insomnia and depressions.

Death does not coming stealthily, but it squeezing through aliments and drinks both on banquets or **“bread from all those days”**.

## 10. Crisis of Biodiversity

The last appearance on Earth, human being is the one species which provoked elimination of other species from around. Hunting with no mercy or limits producing an extinction of many marine mammal and birds species.

During 1880, the migrant pigeons make long flocks height by 10-15 km and width by 5-6 km when they migrating from South of North America to Canada. Tree branches were being broken under their weight. People started to hunt and commercialized them. They catching thousands of pigeons and hit them with sticks. There were made railways, for their efficient exploitation. It appeared an industry based on meat of migrant pigeon. This bird, with the largest biodiversity from the whole world, is disappeared from Earth fauna. Today, there are not even one exemplar.

Extinction rate of species provoked by humans is by 1000 times bigger than natural rate (Reeves, 2005). E.O.Wilson from Harvard University shows in his book „Diversity of life” that in every decade have disappeared between 1% and 10% from all species (Reeves, 2005, Leveque C., 1997).

Man, „Master of Nature”, make a bizarre classification of „detrimental” and „useful” species, without all necessary information. As biologists, we understood that into nature nothing is too much or too less. For nature economy, all species have the same importance.

Man eliminated hundred of species in a brutal way, as following:

- Albatross (*Diomedea albatros*) was hunted for feathers especially by Japanese. In 1905 they are still living 63 exemplars, but, in the end, they were exterminated;

- Apter cormorant (*Phalacrocorax perspicillatus*) and penguin (*Plantus impennis*) are been out of fauna for a short while between 1741 and 1862.

Excessive hunting of whales generated the disappearance of gray Antarctic whale and to become rarefied of other species as *Eubalaena glacialis* and *Balaena mystetus*.

Thousands of plants and animal species disappear as a consequence both of forests breaking-up from equatorial areas and destruction of many other places (Cristea V., Denaeyr S., 2004; Cogălniceanu D., 2003).

Globe biodiversity is diminished in these last decades with 25-30% (Cristea V., 1997, Hawksworth D., 1996).

This kind of measures is not properly for a real „Master of Nature”. We have to stop this aggression against other species before will be too late.

## Conclusions

Starting from **Egyptian Plagues** presented in Biblical essay as punishments of Pharaoh and Egyptians, we saw that human being provoked grave plagues through his own uncontrolled behaviour into nature. These plagues are graver, because of their ecological type which could damage both humanity existence and life on Terra.

If lands used for agriculture continuing to exploit these soils and the harvests become smaller, if level of phreatic waters is diminished continuously, if lawns become deserts and animals are starved to death, if natural sources of fishes collapsed, if temperatures growing up as a consequence of greenhouse effect, if pollution will not be controlled, if terrorism and antiterrorism will know an exponential development, if aliments will be modify continuously, and if all these will be happen because of uncontrolled human behaviour, than, maybe, we understand that plagues provoked human against nature will be transformed in real wraths.

What we could do? Is necessary a humanity awakening and adoption of a new behaviour, as following:

- aggression stopping against both Terra and Universe;
- returning to nature and adoption of an equilibrium between it and humans;
- reconsidering of the „Master of Nature” concept – master of nature has to protect all species and biodiversity;
- application of a real politics concerning durable development;
- prohibition of weapons used for masses destructions (including biological weapons);
- this planet has to be cleaned by all waste products resulted from agriculture, industry and military actions;
- waters, soils and air cleaning have to be done through prohibition of pollution (it has to pass hundreds of years and after that planet becomes clean);
- elaboration of a global a forestation plan for affected areas, limitation of desert extinctions, and reducing of surfaces affected by desertification;
- we eat for living, not living for eat; ours food has to remain sacred, it has to be prohibit to modify and to transform into poison;
- human is the only being from Terra who knows significance of love; in contrast with other beings, more than sexuality, human has divine gift of love; so, human has to stop to be a kind of predator and he has to listen the Jesus

Commandment: *“That you have to love one another. As I have loved you, that you also love one another”* (John, 12, 34). Only through this sacred commandment, it is possible to disappear terrorism and antiterrorism, dement arming, genocide, power ecstasy and hegemony, only this is the way to stop starved to death for million of humans etc.

If only we respect the 10 sacred Commandments (Decalogue) which are a handbook of proper human behaviour, people could comes back inside of nature, and could establish peace between nations.

We can't include all information in few pages. We have to understand that, if people don't reconsidering its own behaviour concerning nature and other people, than he releases ecological plagues already enumerated. In the same time, he could not stop these plagues and, through uncontrolled actions, they put into danger their own existence and even Earth existence.

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