

# Human Eats Humanity

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**Abstract**— *The present research paper is the study of the adverse effect of meat production and consumption by the people on the climatic conditions of earth, increasing global warming, food, and water crisis and increase in pollution. This is eye-opening research about the increasing number of slaughtered animals every year due to which humanity is moving to its extension. The article provides a detail description about the right food for human beings scientifically and it also proves that human beings are in between frugivorous and herbivorous and not omnivorous, the health issues arise due to meat consumption and its nutritional values are also described. This research paper is written in order to increase awareness in society. Brief information about BIS theory with Einsteinian Pain Waves (EPW) is discussed which proves that why an earthquake and other natural consequences occur.*

**Keywords**— *BIS theory, Food crisis, Global warming, Non-vegetarian, Vegetarian.*

## I. INTRODUCTION

Today, the world's total population is around 7.6 billion out of which only 50 million people completely depend upon plants for their food and remaining people depend upon plant as well as on animals for their food. Thus around more than 156 Billion animals are killed for meat production every year, this huge amount of slaughtering of the animal is one of the main reason behind global warming estimated by scientific research. American National Academy of Science has shown that meat production alone contributes 14% to 22% of the total emission of greenhouse gases which is much more than emission of greenhouse gases by any other source. Meat production and consumption are also one of the main reason behind food and water crises and it even badly affect human health.

In one of the scientific research published by three Indian scientists namely as Dr. M.M. Bajaj, Dr. Ibrahim and Dr. Vijayraj Singh in June 1995 at Russia had shown that the natural calamities such as an earthquake, tsunami, etc. are due to slaughtering of animals on large scale, this theory is known as BIS theory. This is an attempt to increase the awareness among people about the harmful effect of meat production and consumption on human health and on mother Earth so that all can contribute for the betterment of Earth from increasing global warming.

## II. INCREASING GLOBAL WARMING DUE TO MEAT PRODUCTION

The increase in the average temperature of the earth is known as global warming, this happens due to the emission of greenhouse gases such as CO<sub>2</sub>, CFC, N<sub>2</sub>O, etc. These greenhouses gases are released due to many activities but one of the main reason is cattle farming. A large number of animals are kept in cattle farm for meat production. For the allotment of such huge area, deforestation takes place. In Brazil, around 75% of deforestation occurs due to the cattle industry. Cattle ranching is responsible for 80% of deforestation globally which emits 340 million tones carbon into the atmosphere each year. On an average one cow produces about 100Kg of methane which is equivalent to 2300Kg of CO<sub>2</sub> released by per cow per year. In addition to the CO<sub>2</sub> and methane emissions, livestock in the cattle industry is responsible for the emission of Nitrous Oxide which is 296 times the global warming potential of CO<sub>2</sub>. Animals are slaughtered on large scale for meat production in slaughterhouses. This meat is not utilized at the same place at same time. It is packed and transported from one place to another, even several animals are transported alive (such as chicken, goat, fish) and then it is utilized accordingly. Due to this, transportation takes place on large scale also it requires lower temperature as meat rot fast thus refrigeration and air conditioning systems are used. Due to this reasons, meat production directly as well as indirectly affects the environment by the release of greenhouse gases. The cattle industry produces 7.1 Gigaton of CO<sub>2</sub> resulting in depletion of the ozone layer. Thus meat production in cattle farming is responsible for deforestation, emission of gases like carbon dioxide, methane, nitrous oxide, etc. which increases global warming on a large scale.

### III. FOOD CRISES DUE TO MEAT PRODUCTION AND CONSUMPTION

Every day around 25,000 people die due to hunger and hunger-related diseases. The main reason for the food crisis is meat production and consumption. Researches has shown that a chicken eats approximately 3.5 kg of grains to produce 1 kg of meat. A calf eats approximately 7 kg of grains to produce 1 kg of meat. Similarly, to produce 1 kg of pork meat, 8 kg of food grains are required to feed the pork. Thus instead of feeding animals and then eating those animals, if this food is directly utilized by humans than humanity can overcome with hunger problem. According to the National Academy of Science America, around 50 lakh lives can be saved by avoiding meat consumption.

Consider a farmland of area 20 m<sup>2</sup> the crops cultivated in this area is enough to feed around 18 people but for the same condition if those crops are fed to an animal and then the meat produced by that animal is only enough to feed 4 to 5 people. Today the world population is around 7.6 billion and many people are dying due to hunger but if meat production and consumption completely stops, then the crops and vegetables obtained from agricultural practices is more than enough to feed double the today's population (i.e. approximately 15 Billion). Nearly 54% of the total food obtained from agricultural practices globally is used for feeding animals. This clearly indicates that meat production and consumption is one of the leading cause of the food crisis.

### IV. WATER CRISES DUE TO MEAT PRODUCTION AND CONSUMPTION

Millions of people around the world are experiencing water shortage and drought problem. One of the leading cause for the water crisis is meat production and consumption. For example, 1 kg of rice requires 3,400 liters of water whereas for 1 kg of beef meat production 15,455 liters of water is required. The increasing demand for meat has affected the lives of more than 2.5 billion people all over the world and this figure is continuously rising. A pure vegetarian diet requires 1,137 liters of water per day, whereas a meat-based diet requires 15,160 liters of water per day.

**Table-1**  
**Water requirement for Vegetarian and Non-vegetarian products**

Sr.	VEGETARIAN		NON-VEGETARIAN	
	Quantity (per kg)	Water (in liters)	Quantity (per kg)	Water (in liters)
1	Rice	3,400 L	Beef	15,455 L
2	Sugar	1,500 L	Sheep	10,412 L
3	Wheat	1,300 L	Goat	7,829 L
4	Apples	700 L	Pork / Pig	5,988 L
5	Potatoes	225 L	Chicken	4,325 L
6	Tomatoes	184 L	Eggs	3,300 L

### V. HUMANS ARE NOT OMNIVOROUS ANIMAL

Diet of maximum people includes non-vegetarian food (such as meat, fish, egg, etc.). But, is really human body designed for eating meat? Numerous studies have shown that meat is not an ideal food for human body. Actually human body is intended to function on plant-based food full of antioxidants, fibers, unsaturated fat, photochemical, cholesterol free proteins, rich in vitamins and minerals and have essential fatty acids. There are many evidences which prove that the human body is designed only for eating plant and plant-derived foods. (Frugivorous animals have many similarities with herbivorous).



Fig. 1 Teeth arrangement of Mammals

### 5.1 Blind at the time of birth

All the herbivorous and frugivorous animals newborn child are able to open their eyes immediately after their birth and can see the world. Whereas the newly born child of carnivorous and omnivorous animals are not able to open their eyes for few days after their birth but the human newborn child can open their eyes immediately after their birth.

### 5.2 Digestive system

The length of the digestive system of carnivorous or omnivorous animals is much smaller than the length of the digestive system of herbivorous animals. The length of the digestive system of human beings is 9 m long (30 ft.) starting from the esophagus to anus. The length of the small intestine of carnivorous or omnivorous animal is 3 to 6 times the length of its trunk, whereas the length of the small intestine of herbivorous animal is 10 to 12 times the length of their body. Carnivorous animals have a large stomach which encompasses between 60 to 70% of their entire digestive system, while herbivorous animals have a much smaller stomach. A carnivore animal's stomach secrete a powerful digestive enzyme which is about 10 times the amount of hydrochloric acid secreted by human or herbivore animal. The pH value of a hydrochloric acid secreted by human or herbivore animal is 4 to 5 whereas for carnivore animal it is less than or equal to 1 thus E. coli bacteria, campylobacter, salmonella, trichina worms, etc. cannot survive in the stomach of carnivore animals. Saliva of carnivore does not contain digestive enzymes but the saliva of herbivore contain carbohydrate digestive enzyme, humans saliva contains carbohydrate digestive enzyme as herbivorous and frugivorous animals do.

### 5.3 Way of consuming water

All the carnivorous and omnivorous animals consume water by licking with their tongue, whereas all herbivorous and frugivorous animals consume water by sucking with their mouth. Human beings also consume water same as herbivore animals.

### 5.4 Teeth arrangement

Table-2  
 Comparison of Teeth arrangement of Mammals

TEETH PARAMETERS	CARNIVOROUS	OMNIVOROUS	HERBIVOROUS	HUMANS
Canines	Sharp, long and curved	Sharp, long and curved	Dull and short or long (for defense) or none	Short and blunted
Incisors	Short and pointed	Short and pointed	Flattened, broad and spade-shaped	Flattened, broad and spade-shaped
Molars	Jagged, sharp and blade-shaped	Sharp blades shaped or flattened	Flattened to grind food	Flattened to grind food
Chewing	No chewing swallow whole food	Simple brushing and/or swallow	Extensive chewing	Extensive chewing

### 5.5 Finger Nails

The nails of the carnivorous and omnivorous animals are sharp and lengthy while the nails of herbivorous and frugivorous animals are not sharp, they have flat nails. Similarly, human beings have flat nails.

### 5.6 Facial muscles and oral cavity

A carnivorous and omnivorous animal has reduced facial muscles which tend to have a wide mouth opening in relation to their head size. Herbivorous and frugivorous animals have a smaller mouth opening in relation with their head size and they have well developed facial muscles. Humans have a similar arrangement of facial muscles and oral cavity same as herbivorous and frugivorous animals.

### 5.7 Difference in the jaw

**Table-3**  
**Comparison of jaw arrangement in Mammals**

JAW	CARNIVOROUS	OMNIVOROUS	HERBIVOROUS	HUMANS
Jaw type	Angle not expanded	Angle not expanded	Angle expanded	Angle expanded
Jaw joint location	On the plane of molar teeth	On the plane of molar teeth	Above the plane of molar teeth	Above the plane of molar teeth
Jaw motion	Shearing minimal side to side motion	Shearing minimal side to side motion	No shearing, side to side motion and front to back motion	No shearing, side to side motion and front to back motion

### 5.8 Ability to see in day and night

A carnivorous animal can see clearly at night in the absence of light but herbivorous animals cannot see clearly at night, their eyes can work best only at day time. Human beings can see very well in the day but they cannot see well in the night in absence of light.

### 5.9 Body heat

Herbivorous animals as well as human beings, in order to maintain their body heat consume water and send out the extra heat by sweating with the help of sweat gland present on their skin so that the body heat throughout the body is maintained. Carnivorous animals don't have sweat gland in their skin they cool. They maintain their body heat by sweating from their foot pads.

## VI. EFFECT OF MEAT ON HUMAN BODY AND ITS NUTRITIONAL VALUES

Research has shown that meat consumption is very harmful for human health as it is not the food of humans. A vegetarian person is healthy than a non-vegetarian person. This is because meat and fish take more time to get digested as compared to fruits and vegetables. A non-vegetarian person has 23% more chance of getting cancer and 40% more chance of getting heart diseases as compared to a vegetarian person. There is also the chance of getting high BP, high cholesterol, low concentration and increases anger because of non-vegetarian food. Food poisoning is very common diseases caused by non-vegetarian food, every year 48 million people are affected by food poisoning in the U.S. There are many vegetables and fruits that have more nutrition than meat, fish, and egg. For example almond, apple, broccoli, pulses, soya beans, jackfruit etc.

Animals are kept in a very small area, due to which they are always in stress. The space required for one chicken to live comfortably is 4 sq. ft. but in this space, 5 to 6 hens are placed. When these animals are brought for slaughtering there is a release of the hormone known as adrenalin or epinephrine or adrenaline which is secreted in extraordinary circumstances, it goes in the entire body and it happens only in an abnormal condition. For example, when we are in danger we work faster than normal condition this is only due to this hormone. When animals are slaughtered this hormone is present in the entire body of an animal when such meat is consumed it causes harmful effects in the human body.

Ecological pyramid of energy flow determine the amount of energy consumed by different group of organisms in food chain. Energy pyramid follows second law of thermodynamics which states that with the transfer of energy some amount of energy is wasted. Thus as the food chain increases amount of energy goes on decreasing. Thus producers has maximum energy and tertiary consumers has minimum energy in every ecological food chain.

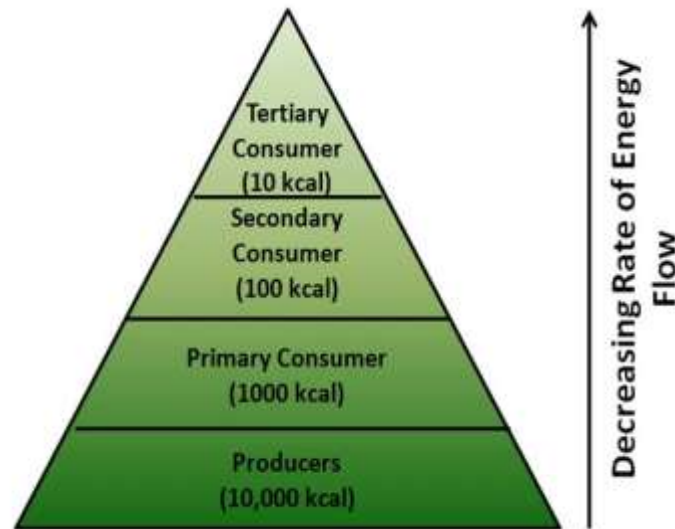


Fig. 2 Energy Pyramid

## VII. BIS THEORY

Dr. Madan Mohan Bajaj formerly chief of Medical Physics, Immuno-Physics, Nuclear Biophysics and Biomedical Engineering Research Laboratory of Department of Physics and Astrophysics of the University of Delhi, along with two other scientist Dr. Ibrahim and Dr. Vijayraj Singh, they investigated a BIS theory (Breakdown of Integrated System) where they explain why natural disasters are produced. This theory was published in June 1995 at the conference in Russia.

When animals are killed very low-frequency signals are emitted these are called shock waves or Einsteinian Pain Wave (EPW). This pain wave leads to the generation of Pressure and Shear waves which in turn causes an earthquake. The energy released from these waves is 1040 KW and some amount of radon gas is also released which moves the tectonic plates which result in an earthquake. Several scientists of China and Japan has verified that due to the release of radon gas earthquake occurs.

Poland slaughtered 1.39 million cows and 20.7 million pigs in 2009, also it's the biggest horse exporter with around 30,000 horses slaughtered per year and in the last 60 years, Poland affected with flash floods at the end of May 2010. New Zealand, slaughtering 8.5 million lambs annually, and was the 49.7% trader of sheep meat in the international market in 2001, and thereafter, in February 2011, a natural disaster destructed New Zealand, and Christchurch, faced a 6.3 magnitude earthquake, which resulted in loss of human life, destroying everything in the way. Brazil, slaughtering 40 million cows and 35 million pigs, is at second place in beef production and exported around 21.9% of beef globally in 2009. January 11th – 12th, Brazil faced a rainfall of 254 millimeters, more than the entire month precipitation, resulting in more than 900 human deaths, and leaving around 20,000 people homeless, also destroying 3,000 homes, everything costing damage around the US \$ 1.2 billion.

In Nepal, there is the world's biggest sacrificial ceremony in the name of goddess Gadhimai which held in every 5 years since the past 300 years. In November 2014 at Kathmandu, this festival was celebrated in which nearly 1 lakh animals killed. It is believed by peoples that the goddess will offer them good fortune. But unfortunately in 2015 Nepal suffered a great loss of life and property due to the earthquake of magnitude 7.8 this is the biggest example of BIS theory. Many scientists after this said 'BIS and EPW require more research'.

### VIII. SOME FAMOUS VEGETARIAN PEOPLE

**Table-4**  
**List of some famous Vegetarian**

Sr. No	NAME	OCCUPATION	COUNTRY
1	Adolf Hitler	Politician	Germany
2	Albert Einstein	Physicist	Germany
3	A.P.J. Abdul Kalam	Scientist, Teacher, Poet, President of India	India
4	Benjamin Franklin	Politician	United States
5	Bill Clinton	Politician	United States
6	Charles Darwin	Naturalist, Geologist, Biologist	England
7	C.V. Raman	Scientist	India
8	Isaac Newton	Mathematician, Physicist, Astronomer	England
9	Leonardo da Vinci	Artist, Painter, Writer, Mathematician, Astronomer, Physicist	Republic of Florence
10	Magnus Carlson	Chess player	Norway
11	Michael Jackson	Singer, Song-writer, Dancer	United States
12	Narendra Modi	Prime Minister	India
13	Nikola Tesla	Scientist, Engineer	Sweden
14	Pythagoras	Mathematician	Greek
15	Srinivas Ramanujan	Mathematician	India
16	Steve Jobs	Co-founder of Apple Inc.	United States
17	Sushil Kumar	Wrestler	India
18	Swami Vivekananda	Monk	India
19	Thomas Elva Edison	Scientist	United States
20	Viswanathan Anand	Chess Player	India
21	Voltaire	Writer, Philosopher, Playwright	France

### IX. CONCLUSION

The research paper describes the root cause behind many problems which humanity is currently facing along with one step solution. Researches has shown that meat production is not good for the Environment of Earth and its consumption is not good for human beings. We, humans, are the most evolved species of this planet and it is our responsibility to maintain it as it is by our intelligence but unfortunately, we failed. Today everywhere biodiversity is disturbed, pollution increases day by day. A new generation with new dreams and ambitions are ready to come we must give them this planet as it is.

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