

CHLOROPHYLL IN MEDICAL FIELD

D. Chandra Mohan¹, Kaleem Ahmed Jalleli²

¹Department of Physics, H&S, Sphoorthy Engineering College, (INDIA)

²Department of Physics, H&S, Nizam College, (INDIA).

ABSTRACT

In the 21st century there are same burning issues which are making the people suffered alot in addition to their regular problems. They are global warming, pollution and natural disasters and also health problems. One of the natural agent like chlorophyll is most useful in medical field. This review article includes chlorophyll uses health benefits importance and its various applications with available information. People are suffering from cancer in recent days. So chlorophyll is one of the preventive agent in cancer medical field. As a physicist with the help of chlorophyll physically how much it can work on human body. Even though recent research activities have included in investigation impact on human health have we should know about application and importance of chlorophyll as some extent through my efforts. The climate change is depend on influence of cycles called carbon and water cycle. In some studies it can be used in word through and capable as reducing free radicals.

I INTRODUCTION

Greenery content of oxygen is observed more in atmosphere wherever environment is green. Where the plants are green there is abundance of oxygen means if leaves are green they can release more oxygen. It was observed that majority of oxygen content is from Amazon valley.

What makes this valley green i.e. plants or leaves?

As they green release oxygen so if we eat green leaves it helps in various parts by the body to improve their working condition and health. Reason for green is chlorophyll. As a physicist need so observe physically environment which is covered with the green colour plants. Because if exploitation continues we need three planets by 2050. So we need to know the importance of greenery same way green food also should be helpful for the human body.

What makes plants green?

What is responsible for it?

Chlorophyll is the responsible for green colour in plants and also absorbs the energy from the sun. It is observed in leaves and stem of the plant.

Chlorophyll is a small molecule which is made up of chloroplasts. Chloroplasts are the food producer of the cell found in all green parts of a plant. The chlorophyll molecules are arranged in and around the photosystems. Photosystems allow chlorophyll to transfer the light energy into the center of the photosystem. Plant cells absorb the sun light energy and make it useful thing for our consumption. So chlorophyll is called life blood as the plants. Human body contains full as blood in the hemoglobin very important so chlorophyll molecular structure is similar structure as Hemoglobin. Hemoglobin is human red cell. Chlorophyll is full packed of with vitamins minerals and medicinal nature super food and range of full strength. Most important is chlorophyll includes the blood pressure oranges and prevention Anaemia. Chlorophyll loaded with antioxidant properties. Chlorophyll exerts helpful effects towards different medical conditions such as cancer, skin ailments, pancreatitis and kidney stones. It is helpful in hormonal balance and detoxification and promotes digestive health.

Chlorophyll is playing very important role in medical field.

II CHLOROPHYLL WORKS AS MEDICINE IN THE FOLLOWING

It helps control hunger and cravings and body odors. It encourages healing, recent study found that when it is used in wound therapy [4] Chlorophyll has ability to remove toxic metals. It protects DNA against fried foods. Super potent antioxidant action. Promising potential for cancer therapy. It stimulates liver. Effective

against candida albicans. Relieves systemic redness and swelling, especially in animals. Promotes healthy iron levels. Chlorophyllin highly effective for anemia.

It is builder of red blood cells [3]. It works effective against cancer as protect fromcarcinogens present in the air cooked meats. It possess strong antioxidant power with large amount of vitamins. Owing to anti-inflammatory properties of chlorophyll is beneficial for arthritis. It is detoxification (purification quality) Antiaging to improves the adrenal function in the body.Chlorophyll helps in the treatment of various respiratory infections. It helps to control and regulate calcium levels in the blood. It also helps to regulate blood sugar levels, which has wide ranging affects throughout the rest of the body. It helps stop the growth of toxic bacteria which often causes disease and illness. It helps in relieving the fever and alleviates the abdominal pain and discomfort caused by pancreatitis without causing any side effects. It used in the treatment of dental problems .It is utilized for curing the symptoms of oral infections and bleeding gums.>

It promotes digestive health and acts as a natural drug. It hast antimicrobial properties. It strengthen the cell walls and immunity system. It is wound healer. It helps in maintaining of strong bones and muscles. It helps in blood clotting as it is rich in vitamin K. It prevent from kidney stones as it reduce the form of calcium oxalate crystals.

It plays a predominant role in hormonal balance as it stimulates production of testosterone in males and estrogen in females.

III RICH CHLOROPHYLL FOODS

Spinach, Parsley, Watercress, Green Beans, Arugula, Leeks, Endive, Sugar snap peas, and Chinese cabbage are the foods that are quiet rich in Chlorophyll Floods.

IV CONCLUSION

As mentioned in above introduction the chlorophyll has extraordinary benefits to humans and also makes the forest green.It is preventing as well as generating the blood which is very essential for human body without which living cell cannot live.Owing to chlorophyll large amount of oxygen is released inthe atmosphere with which the living things cannot live.

From the above list of wide range of benefits in respective of medically but how it acts in physical properties. So in upcoming research it is very much required to study in detailed about Chlorophyll in the following properties like identification and characterization. Also research should focus on refractive index, electrical properties, photo conducting properties and electronic properties.

REFERENCES

- 1.Ferruzzi, M. G. and Schwartz, S. J. 2001. F:F4:F4.1.
2. DC. Edward group DC, NP, DCBCN, DABFM (2014)
3. [www.organicfacts.net/Health benefits/other /health benefits-of-chlorophyll](http://www.organicfacts.net/Health%20benefits/other%20health%20benefits-of-chlorophyll)
- 4.R.W. Young, J.S. Beregl, *J Am Geriatr Soc.* 28(1) 1980 46-47
5. Cnjura and Watkins, North Carolina state Univ., Rakeigh, NC 27695-7624.