Current trends on global warming: Greenhouse Gases implications in relation to Global Warming

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Summary

- The Greenhouse effect is a leading factor in keeping the Earth warm because it keeps some of the planet's heat that would otherwise escape from the atmosphere out to space. The study report on the Greenhouse gases and their impact on Global warming.
- Greenhouse gases include water vapor, CO_2, methane, nitrous oxide (N_2O) and other gases. Carbon dioxide (CO_2) and other greenhouse gases turn like a blanket, gripping Infra-Red radiation and preventing it from escaping into outer space.
- The clear effect of the greenhouse gases is the stable heating of Earth's atmosphere and surface, thus, global warming. The ability of certain gases, greenhouse gases, to be transparent to inbound visible light from the sun, yet opaque to the energy radiated from the earth is one of the best still events in the atmospheric sciences,
- The existence of greenhouse effect is what makes the earth a comfortable place for life. The study also reveals the importance of greenhouse gases to the warming of the planet earth

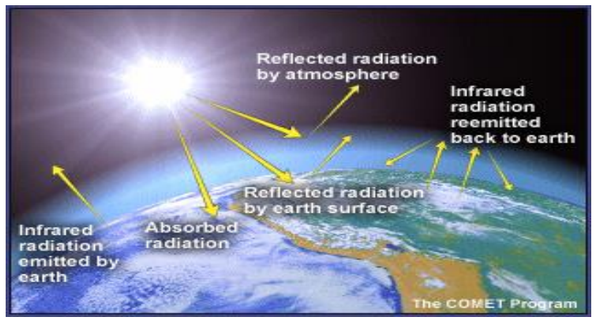

Fig. 1. Showing radiation absorption and emission by greenhouse gases

Methods

- An electronic literature search using search engines, such as, Google, web of science, ScienceDirect, and PubMed, was carried out to obtain information on the greenhouse effect and global warming. This article contains information on greenhouse gases, and global warming from 1967 to 2016.
- The article selection was initially based on the following inclusion criteria: articles published in English and articles with keyword in the title, abstract or full text, and studies with “greenhouse gases and global warming”.

Results and Discussions

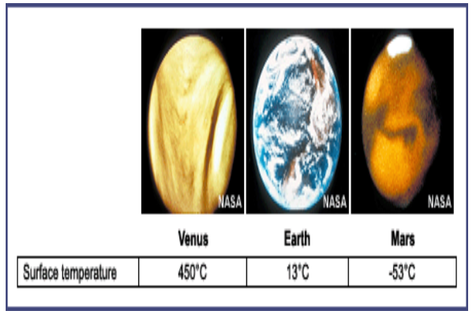

Fig. 2. Showing the temperature of some planets: Mars, Earth, and Venus

Fig 3, diagram showing global warming

- The Earth has an average surface temperature pleasurably between the boiling point and freezing point of water, therefore suitable for our kind of life, and this cannot be clarified by merely proposing that planet Earth orbits at just the precise space from the sun to absorb just the right amount of solar radiation.
- The greenhouse effect is mostly caused by the interaction of the sun's energy with greenhouse gases such as carbon dioxide, methane, nitrous oxide and fluorinated gases in the Earth's atmosphere. The ability of these gases to capture heat is what causes the greenhouse effect.
- The Green House Gases absorb infrared radiation and trap heat in the atmosphere, thereby enhancing the natural greenhouse effect defined as global warming.
- If global warming undergoes unimpeded, it will cause noteworthy climate change, a rise in sea levels, increasing ocean acidification, life- threatening weather events and other severe

Fig 4. Diagram showing some current effects of global warming on planet earth.

- In recent years, one of the cheap modern and promising solutions to decreasing GHG emission into the Earth's atmosphere is the employment bioremediation technique and other mitigation plans to avert the negative outcomes of greenhouse effect may include activities such increase in tree planting, reduction in burning fossil fuels, exploitation of affordable, clean and renewable of energy, carbon dioxide capture and sequestration.

Conclusion`:

The capacity of certain suggestion gases to be relatively transparent to inbound visible light from the sun, yet opaque to the energy radiated from the earth is one of the best silent procedures in the atmospheric sciences. This occurrence, the greenhouse effect, is what makes the earth a comfortable place for life's activities.

The existence of greenhouse effect is what makes the earth a comfortable place for life. The study also reveals the importance of greenhouse gases to the warming of the planet earth.

Therefore, Authors recommend future work to be done on greenhouse gases in connection to global warming.