

2<sup>nd</sup> International Conference on

# ENVIRONMENTAL HEALTH & GLOBAL CLIMATE CHANGE

September 7-8, 2017 | Paris, France

## GREENHOUSE OZONE AND HUMAN HEALTH

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**Problem statement:** the environment is of concern to many people because of the impact on climate and therefore on human health. The aim of this study is to show that in addition to the thermal radiation of the Earth there is still such a natural source in the range of radiation (absorption) of the human body, which is also beneficial on it as IR emitters.

**Methodology:** This work compares IR absorption spectra existing in the Earth's atmosphere gases with frequencies close to the frequency of the maximum intensity of thermal radiation (absorption) of human.

**Results:** it is shown that such a gas is ozone, whose absorption and re-radiation of thermal emission coming from the Earth's surface in the IR region is in the transparency window of the atmosphere. Due to the "greenhouse effect" (using conventional terminology) and the proximity of frequencies "Greenhouse Ozone" (GO) has beneficial effects on the human body because, as we know, the impact with the appropriate infrared energy with a wavelength of 9.6 microns causes a phenomenon called "resonance absorption", when the external energy is actively absorbed by the human body, fueling the energy. If the recharge is weakened, for example, because of the smog in major cities due to the strong scattering of radiation of the Earth and GO, the human feels much worse than in the woods or by the sea.

**Conclusions:** Need to protect the environment, no matter how traditional this conclusion is not shown, because nature itself gives natural sources of radiation, which are beneficial for human health.

### Biography

Valery P Oktyabrskiy specialist in the field of molecular spectroscopy. He has obtained his doctoral degree from the Leningrad state University. Currently he is an assistant Professor at the St. Petersburg Polytechnic University. His areas of interest included physics of the atmosphere including the greenhouse effect.

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