

Air Pollution - Air Pollution and the fundamental causes for co2 levels and particles matter

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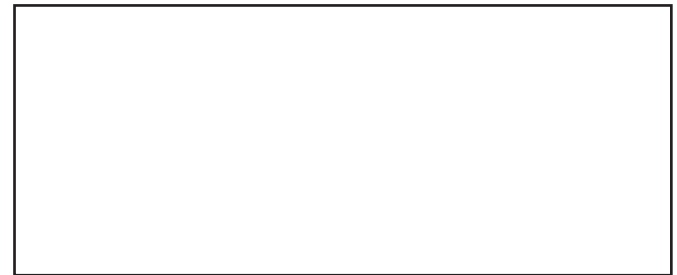
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Abstract:

Air pollution consist in the release of poluents into the air. The air pollution has origin in the production and use of energy. The physical evidence of air pollution is determinate by the presence of ground level ozone (Smog) and particulate matter made of tiny particles of chemicals called soot.

The air poluents have two qualifications, the primary sources and secondary sources. The main primary poluents cause harmful in high concentrations and are emitted directly from sources, and are carbon compounds, such C0, C02,CH4 and Vocs, nitrogen compounds, N0, N20 and NH3, sulphur compounds H2S and S02, halogen compounds, such as chlorides, fluorides and S02, halogen compounds, refered as chlorides, fluorides and bromides. The Particles matter are categorized in solid or liquid form and measured buy their diameter, less than 100 microns, 10 microns, 4 microns, particles 2.5 microns, and particles less than 0.1 microns.

The secondary poluents are not directly immitted from sources, however, are formed in the atmosphere from primary pollutants. The main secondary poluents are N02 and HNO3 formed from NO. Ozone (O3), Sulfuric acid droplets from So2, and nitric acid droplets formed from



N02, sulfates and nitrates aerosols, organic aerosols from Vocs in gas-to-particle reactions.

The hazardous air poluents are emitted during gas or coal production. The most common are mercury, lead, dioxins and benzene, and are regulated by law. In the earth atmosphere there are as well the greenhouses gases that causes air pollution. Carbon dioxide and methane release Co2 in the air in dangerous quantaties.

Biography

Veronica has completed her Degree at the age of 24 years from High Superior Education Studies, and postgraduate studies from Lisbon European University. She is a researcher in environment and speaker in conferences. She has published articles internationally and local journals.

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