

A Study of Electro Fluid Dynamics in Atmospheric Pollution

ABSTRACT

Atmospheric pollution is the result of contaminating earth's atmosphere with physical and biological components which adversely affects the normal environmental processes to a great extent, causing health hazards. The causes of air pollution can be attributed to suspended particles in the air like solids, liquids and certain gases. These particles and gases can be human created from the exhausts of cars, trucks, factories, or naturally floating dusts, pollens, spores or sometimes from natural disasters like volcanoes and wildfires. These suspended particles in air as solid and are called aerosols. This paper proposes a simple mathematical model to study the movement of pollutants in the atmosphere and observed the impact of electric field in the atmospheric pollutants using graphical illustrations.

Keywords: Pollutants, Contamination, Mathematical Modelling, Electric Field, Electro Fluid Dynamics (EFD).