Abstract

This article is a Mathematical Study of oxygen transport in human body. We can clearly see that diffusion is an inefficient means of oxygen transport. We also observe the role of blood in the transport of the oxygen in the human body in the form of that erythrocyte which is the main carrier of transport of oxygen. We also modeled an expression for partial pressure as well as pressure gradient.

**Index Terms**

Computer Science

Emerging Trends in Technology

**Keywords**

Mathematical Modeling    Diffusion Process    Partial Pressure    Pressure Gradient