

## **INTERACTION OF RADIO FREQUENCY ELECTROMAGNETIC WAVES (RF-EMW) WITH BLOOD TISSUES**

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**Received:01-12-2010**

**Revised: 19-12-2010**

**Accepted:31-12-2010**

### **ABSTRACT**

In this paper, interaction of radio frequency of mobile phone towers with blood tissues is discussed. Specific absorption rate (SAR) by the different tissues of blood is calculated. The number of cellular phone towers is increasing continuously to send the network signal in every corner of the city, town and villages. The cellular phone towers radiate the radio frequency radiation of frequencies 800MHz, 900MHz in India. Recently, various studies have highlighted the negative effects of cellular phone's tower exposure on human health, and concerns about possible hazards related to cellular phone's tower exposure have been growing. The calculated values of SAR are compared by the safe limit which is declared by the different International agencies as ICNIRP, INIRPB and WHO.

**Key Words-RADIO FREQUENCY ELECTROMAGNETIC WAVES, BLOOD TISSUES, INTERACTION**

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