USE OF ARTIFICIAL NEURAL NETWORKS TO STUDY CELL INTERACTIONS IN THE PRESENCE OF EM RADIATION (ThuAmPO3)

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Abstract :

Electromagnetic radiation emitted by man made sources has been a cause for concern in recent decades. It has been feared that the proliferation of electromagnetic devices may have a detrimental effect on biological organisms. For instance, numerous recent studies have focussed on the possible biological ill effects of EM radiation. This paper proposes a novel approach to the a priori assessment of the state of biological cell interaction when cells are exposed to EM radiation, doing so with the aid of an artificial neural network model.

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