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Research areas   : Computational Modeling in Tissue Engineering

Title of the research: Simulation study on degradation of scaffolds in Bone Tissue Engineering

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Current position   : Research Assistant, Department of Physics, University of Jaffna, Sri Lanka

Description of current and past research:

Biomaterials are used for the tissue engineering (TE) implants and play major role in regenerative medicine. In the current research the degradation behaviour is studied through simulation. Even though hydrolytic degradation dominates, there are other factors that influence the process. Combination of selected statistical models with relevant time dependent equations are used to model the degradation of TE implants for further development.