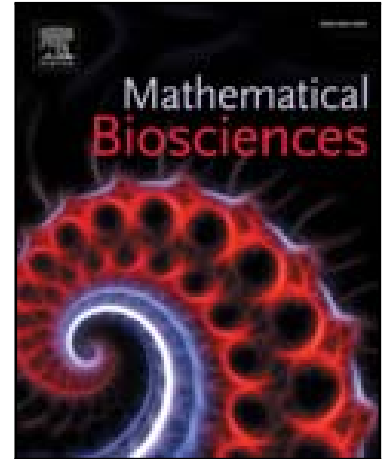


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RELEVANT BIOLOGICAL PROCESSES FOR TISSUE DEVELOPMENT WITH STEM CELLS AND THEIR MECHANISTIC MODELING: A REVIEW



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Highlights

- Stem cell activity in 3D porous biomaterials is regulated by complex phenomena
- The interaction between biological and transport phenomena rules tissue development
- The application of models to predict tissue development is still challenging
- The main achievements and limitations of modeling tissue development are discussed

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