

I studied in my thesis the effects of Magneticfield and Porus media on Peristaltic Transport of Bio-Fluids; namely Jeffrey, Power-law and generalized Newtonian fluid in different channels and tubes are studied under the assumption of long wave length and low Reynold's number. The entire study is consider in the wave frame . Expressions of axial velocity, Pressure rise are obtained analytically in the case of jeffrey and Power-law fluids. In case of generalized Newtonian fluid using the regular perturbation technique when Hartmann number is small. Numerical computations have been performed for the pressure rise and frictional forces. The effects of various emerging parameters on the pressure rise and frictional forces are studied in detail through the graphs.

Newtonian and Non-Newtonian Problems



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## Studies On Peristaltic Transport Of Bio-Fluids

Peristaltic Flow Problems

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