1024-92-179   **Gan S Ladde*** (`ladde@uta.edu`), 1936 Penbrook Drive, Arlington, TX 76015. *Stochastic Modeling of Dynamic Processes in Biological and Medical Sciences.* Preliminary report.

A few stochastic models of dynamic processes in biological and medical sciences are developed. By finding close form solution processes, statistical properties are established. Moreover, the qualitative behavior of the solution processes is also outlined. Finally, the issue of stochastic versus deterministic is addressed. (Received January 08, 2007)