



C.P. 16 – 162, 062510 – BUCUREȘTI
tel. 021.4113617, fax 021.4114280

e-mail. office@matrixrom.ro, www.matrixrom.ro

On the stability and controllability of certain biological systems

Chapter 1. Predator-prey interactions. enlarging Lotka-Volterra model

Chapter 2. Epidemiology. studying disease dynamics

Chapter 3. Ecoepidemiology. managing pest populations by inflicting a disease in the pest

Appendix A. Stability results

Appendix B. Compound matrices

Appendix C. Impulsive differential equations

Appendix D. Partial derivatives of O, z and f