



UNIVERSIDADE FEDERAL DO CEARÁ
CENTRO DE CIÊNCIAS
DEPARTAMENTO DE BIOLOGIA
PROGRAMA DE PÓS-GRADUAÇÃO EM ECOLOGIA E RECURSOS NATURAIS

EMENTA DE DISCIPLINA – PPGERN

Disciplina: Ecologia Microbiana

Title (English): Microbial Ecology

Professor(a): Profa. Dra. Suzana Claudia Silveira Martins, Profa. Dra. Claudia Miranda Martins

Ementa:

Curso teórico-prático: Organismos do solo; Ecologia microbiana; Metabolismo e biomassa microbiana; Matéria orgânica; Xenobióticos; Ciclos Biogeoquímicos; Rizosfera; Fixação biológica de nitrogênio atmosférico; Micorrizas; Biodiversidade.

Bibliografia:

MADIGAN, M.T.; MARTINKO, J.M; PARKER, J. BROCK. 1996. *Biology of Microorganisms*. 8 ed. Upper SADDLE River, New Jersey: Prentice hall. MELO, I.S. & AZEVEDO, J.L. 1998. *Ecologia Microbiana*. Embrapa-CNPMA, Jaguariúna, SP. MOREIRA, F.M.S. & SIQUEIRA, J.O. 2002. *Microbiologia e Bioquímica do Solo*. Lavras: Ed. UFLA. Artigos em Periódicos: BARBARA N. KUNKEL & DAVID M. BROOKS. 2002. *Molecular community analysis of microbial diversity*, *Current Opinion in Biotechnology*, Volume 13, Issue 3, 1 Pages 213-217 INGELA DAHLÖF. 2002. *Developmental regulation of microbial biofilms*, *Current Opinion in Biotechnology*, Volume 13, Issue 3, Pages 228-233 LUANNE HALL-STOODLEY & PAUL STOODLEY. 2002. *Ecology and industrial microbiology: Microbial diversity — sustaining the Earth and industry*, *Current Opinion in Microbiology*, Volume 5, Issue 3, Pages 237-239 JO HANDELSMAN & LAWRENCE P. WACKETT. 2002. *Microbial diversity and function in soil: from genes to ecosystems*, *Current Opinion in Microbiology*, Volume 5, Issue 3, 1, Pages 240-245 VIGDIS TORSVIK & LISE ØVREÅS. 2002. *Polychlorinated biphenyl-degrading microbial communities in soils and sediments*, *Current Opinion in Microbiology*, Volume 5, Issue 3, 1 Pages 246-253 WOLF-RAINER ABRAHAM, BALBINA NOGALES, PETER N. GOLYSHIN, DIETMAR H. PIEPER & KENNETH N. TIMMIS. 2002. *Bioreporters in microbial ecology*, *Current Opinion in Microbiology*, Volume 5, Issue 3, 1, Pages 259-265 JOHAN H. J. LEVEAU & STEVEN E. LINDOW. 2002. *Stable isotopes and biomarkers in microbial ecology*, *FEMS Microbiology Ecology*, Volume 40, Issue 2, Pages 85-95 H. T. S. BOSCHKER & J. J. MIDDELBURG. 2002. *The molecular ecology of microbial eukaryotes unveils a hidden world*, *Trends in Microbiology*, Volume 10, Issue 1, 1, Pages 31-38 DAVID MOREIRA & PURIFICACIÓN LÓPEZ-GARCÍA Sites: www.asmusa.org www.microbeworld.org www.microbe.org www.microbelibrary.org www.geminfo.org/Consortium <http://commtechlab.msu.edu/sites/dlc-me/zoo/>