



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

EMENTA DE DISCIPLINA – PPGERN

Disciplina: Agroecologia

Title (English): Agroecology

Professor(a): Prof. Dr. Teógenes Senna de Oliveira

Ementa:

Introdução a Agroecologia; Teoria ecológica; Ecologia de ecossistemas naturais e agroecossistemas; Ecologia da nutrição mineral em agroecossistemas; Ecologia e manejo de artrópodes em agroecossistemas; Ecologia e manejo de plantas espontâneas em agroecossistemas; Ecologia e manejo de patógenos em agroecossistemas; Recursos genéticos em agroecossistemas; Sistemas de cultivo múltiplo; Sistemas agrícolas tradicionais; e Desenho e manejo de sistemas agrícolas sustentáveis.

Bibliografia:

ALTIERI, M. A. 2018. *Agroecology: The Science of sustainable agriculture*. 2a. Edition 448.pag. HASS et al. 2018. *Landscape configurational heterogeneity by small-scale agriculture, not crop diversity, maintains pollinators and plant reproduction in western Europe Agriculture*, <http://dx.doi.org/10.1098/rspb.2017.2242>. GLIESSMAN, S. R. 2014. *Agroecology: The Ecology of Sustainable Food Systems, Third Edition*. CRS Press. AGRONOMY, A.S. (ed.). 1983. *Multiple cropping*. 5 ed. Madison, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America. ALTIERI, M.A. (ed.). 1995. *Agroecology: the science of sustainable agriculture*. 2nd ed. Boulder, Westview Press. ALTIERI, M.A. 1993. *Biodiversity and pest management in agroecosystems*. New York: The Haworth Press, Inc. FRANCIS, C.H. (ed.). 1986. *Multiple Cropping Systems*. New York, Macmillan Publishing. GLIESSMAN, S.R. 1997. *Agroecology: ecological processes in sustainable agriculture*. Chelsea: Ann Arbor Press. GLIESSMAN, S.R. 1989. *Agroecology: researching the ecological basis for sustainable agriculture*. New York: Springer-Verlag. Francisco Roberto Caporal, Paulo Petersen. 2012. *AGROECOLOGIA E POLÍTICAS PÚBLICAS NA AMÉRICA LATINA: O CASO DO BRASIL* Agroecología 6: 63-74 Annika Louise Hassa, Bernhard Liese, Kong Luen Heong, Josef Settele, Teja Tscharntke, Catrin Westphal. 2018. *Plant-pollinator interactions and bee functional diversity are driven by agroforests in rice-dominated landscapes*. *Agriculture, Ecosystems and Environment*, 253: 140–147 Peter Walder, Jochen Kantelhardt. 2018. *The Environmental Behaviour of Farmers – Capturing the Diversity of Perspectives with a Q Methodological Approach*. *Ecological Economics* 143: 55–63 Camila Righetto Cassano, Jos Barlow, Renata Pardini. 2014. *Forest loss or management intensification? Identifying causes of mammal decline in cacao agroforests*. *Biological Conservation* 169: 14–22. Katherine L. Tully, Deborah Lawrence, Todd M. Scanlon. 2012. *More trees less loss: Nitrogen leaching losses decrease with increasing biomass in coffee agroforests*. *Agriculture, Ecosystems and Environment* 161: 137–144 Regina H. R. Sambuichi; Daniela B. Vidal; Flora B. Piasentin; Jomar G. Jardim; Thiago G. Viana; Agna A. Menezes; Durval L. N. Mello; Dario Ahnert; Virupax C. Baligar. 2012. *Cabruca agroforests in southern Bahia, Brazil*:



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tree component, management practices and tree species conservation. Biodivers Conserv 21:1055–1077. A. G. Fontes; A. C. Gama-Rodrigues; E. F. Gama-Rodrigues; M. V. S. Sales; M. G. Costa; R. C. R. Machado. 2014. Nutrient stocks in litterfall and litter in cocoa agroforests in Brazil. Plant Soil 383:313–335 Satoru Okuboa, Akari Tomatsua, Parikesit, Dendi Muhamada, Koji Harashina, Kazuhiko Takeuchi. 2012. Leaf functional traits and functional diversity of multistoried agroforests in West Java, Indonesia. Agriculture, Ecosystems and Environment 149: 91–99