LFT-5830 FISIOLOGIA DO PARASITISMO

2º Semestre de 2016 - Aula teórica - 23.09.2016

ASSUNTO: Mecanismos de resistência das plantas contra patógenos: fatores de resistência estruturais (pré- e pós-formados)

Bibliografia específica

AGRIOS, G.N. **Plant pathology**. 5ed. San Diego, Academic Press, 2005. 922 p. (Cap. 5 - How plants defend themselves against pathogens; pág. 208 - 217).

AIST, J.R. Structural responses as resistance mechanisms. In: Bailey, J.A . & Deverall, B.J.(ed.). **The dynamics of host defence**. Sydney, Academic Press, 1983. Pág. 33 - 70.

BOSTOCK, R.M. & STERMER, B.A . Perspectives on wound healing in resistance to pathogens. **Ann. Rev. Phytopathol**. 27: 343-371, 1989.

CHANG, S.P., JEON, Y.H. & KIM, Y.H. Defense-related responses in fruit of the nonhost Chili pepper against *Xanthomonas axonopodis* pv. *glycines* infection. **Plant Pathol. J.** 32(4) : 311-320 (2016)

ELAD, Y. & EVENSEN, K. Physiological aspects of resistance to *Botrytis cinerea*. **Phytopathology** 85: 637-643, 1995.

HAMANN, T. Plant cell wall integrity maintenance as an essential component of biotic stress response mechanisms. **Front. Plant Sci**.., April 2012. Article 77 (http://dx.doi.org/10.3389/fpls.2012.00077)

HORSFALL, J.G. & COWLING, E.B. **Plant disease - An advanced treatise**. Vol.4. **How plants defend themselves**. N. York, Academic Press, 1980.
(Chapters 6 - Defense at the perimeter: the outer walls and the gates; 8 - Preformed internal physical barriers; 12 - Defenses triggered by the invader: physical defenses).

KOLLER, W. The plant cuticle. A barrier to be overcome by fungal plant pathogens. In: Cole, G.T. & Hoch, H.C. **The fungal spore and disease initiation in plants and animals**. N.York, Plenum Press, 1991. Pág. 219-246.

MEDEIROS, R.B.; FERREIRA, M.A.S.V. & DIANESE, J.C. **Mecanismos de agressão e defesa nas interações planta-patógeno**. Brasília, Editora UnB, 2003. 289 p. (Parte II. Cap. 1 – Mecanismos Estruturais de Defesa – pág. 99-110).

PASCHOLATI, S.F. Fisiologia do parasitismo: como as plantas se defendem. In. AMORIM, L.; REZENDE, J.A.M.; BERGAMIN FILHO, A. (Ed.). Manual de Fitopatologia – Princípios e Conceitos. Vol. 1. Ed. Ceres, Piracicaba, SP. 2011. Pág. 593-636.

PASCHOLATI, S.F.; LEITE, B.; STANGARLIN, J.R. & CIA, P. **Interação planta-patógeno. Fisiologia, bioquímica e biologia molecular**. Piracicaba, Fealq, 2008. 627 p.

RESENDE, M.L.V. Mecanismos de resistência de plantas a doenças fúngicas vasculares. **Revisão Anual de Patologia de Plantas** 4: 329-351, 1996.

STRANGE, R.N. **Introduction to plant pathology**. West Sussex, . Wiley, 2003. 464 p. (Cap. 9 – pág. 241-242; Cap. 11 – pág. 293-295; 297-299; 311-315)

VANCE, C.P.; KIRK, T.K. & SHERWOOD, R.T. Lignification as a mechanism of disease resistance. **Ann. Rev. Phytopathol**. 18: 259-288, 1980.