

参 考 文 献

- [1] Pennell R I, Lamb C. Programmed cell death in plants [J]. *Plant Cell*, 1997, 9:1157 ~ 1168
- [2] Jacobson M D, Weil M, Raff M C. Programmed cell death in animal development [J]. *Cell*, 1997, 88:347 ~ 354
- [3] Obara K, Kuriyama H, Fukuda H. Direct evidence of active and rapid nuclear degradation triggered by vacuole rupture during programmed cell death in *Zinnia* [J]. *Plant Physiol*, 2001, 125: 615 ~ 626
- [4] Caspers M P M, Lok F, Sinjorgo K M C, et al. Synthesis, processing and export of cytoplasmic endo- β -1,4-xylanase from barley aleurone during germination [J]. *Plant J*, 2001, 26(2): 191 ~ 204
- [5] Beligni M V, Fath A, Bethke P C, et al. Nitric oxide acts as an antioxidant and delays programmed cell death in barley aleurone layers [J]. *Plant Physiol*, 2002, 129:1642 ~ 1650
- [6] 汪矛, 崔跃华, 孙克莲. 杜仲胚乳衰退过程中程序性细胞死亡的研究 [J]. *植物研究*, 1999, 19(4): 401 ~ 406
- [7] 刘文娜, 汪矛, 李重九. 植物细胞程序化死亡研究进展 [J]. *植物学通报*, 2002, 19(5): 546 ~ 551
- [8] 宁顺斌, 宋运淳, 王玲, 等. 低温胁迫诱导玉米根尖细胞凋亡的形态和生化证据 [J]. *植物生理学报*, 2000, 26(3): 189 ~ 194
- [9] Xu P, Roossinck M J. Cucumber mosaic virus D satellite RNA-induced programmed cell death in tomato [J]. *Plant Cell*, 2000, 12:1079 ~ 1092
- [10] Jones A M. Programmed cell death in development and defense [J]. *Plant Physiol*, 2001, 125:94 ~ 97
- [11] Wright K M, Duncan G H, Pradel K S, et al. Analysis of the N gene hypersensitive response induced by a fluorescently tagged tobacco mosaic virus [J]. *Plant Physiol*, 2000, 123: 1375 ~ 1385
- [12] Lam E, Kato N, Lawton M. Programmed cell death, mitochondria and the plant hypersensitive response [J]. *Nature*, 2001, 411:848 ~ 853
- [13] Ordög S H, Higgins V J, Vanlerberghe G C. Mitochondrial alternative oxidase is not a critical component of plant viral resistance but may play a role in the hypersensitive response [J]. *Plant Physiol*, 2002, 129:1858 ~ 1865
- [14] Gunawardena A H L A N, Pearce D M, Jackson M B, et al. Characterisation of programmed cell death during aerenchyma formation induced by ethylene or hypoxia in roots of maize (*Zea mays* L.) [J]. *Planta*, 2001, 212:205 ~ 214
- [15] 王大勇, 高云飞, 崔克明, 等. 植物细胞质中存在类 Fas 死亡因子的实验证据 [J]. *科学通报*, 2002, 47(3): 211 ~ 215
- [16] Beckman C H. Phenolic - storing cells: keys to programmed cell death and periderm formation in wilt disease resistance and in general defence responses in plants [J]. *Physiol Mol Plant Pathol*, 2000, 57: 101 ~ 110

科研简讯

我校三项成果获国家科学技术进步奖

2003年2月28日在人民大会堂隆重召开的2002年度国家科学技术奖励大会上,我校获奖三项:

- 1) 许启凤教授 20 年精心选育的“优质高产杂交玉米品种农大 108”荣获国家科学技术进步一等奖;
- 2) 高焕文教授主持的“旱地农业保护性耕作技术与机具研究”获国家科学技术进步二等奖;
- 3) 李德发教授主持的“猪优质高效饲料产业化关键技术研究与推广”获国家科学技术进步二等奖。

(科技处供稿)