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2.2.2.4 Are NCCs degraded further?; 2.3 The chlorophyll degradation pathway; 2.3.1 Chlorophyll cycle
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2.7 The function of anthocyanins in leaf senescence2.7.1 Physiological explanations; 2.7.2 Ecological explanations; 2.7.3 Reconciling these explanations; 2.8 Conclusions and perspectives; References; 3 Membrane dynamics and regulation of subcellular changes during senescence; 3.1 Introduction; 3.2 Loss of membrane structural integrity during senescence; 3.2.1 Senescence-associated changes in the molecular organization of membrane lipid bilayers; 3.2.2 Role of lipases; 3.2.2.1 Initial fate of de-esterified fatty acids in senescing membranes
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4.1 Introduction

Sommario/riassunto

The scientific and economic significance of plant senescence means that much effort has been made to understand the processes involved and to devise means of manipulating them agriculturally. During the past few years there has been considerable progress in this regard, especially in the molecular, genetic and genomic aspects. Senescence has a tremendous impact on agriculture. For example, leaf senescence limits crop yield and biomass production, and contributes substantially to postharvest loss in vegetable and ornamental crops during transportation, storage and on shelves. In addition, prote