

# Ascorbate-Glutathione Pathway And Stress Tolerance In Plants



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stress tolerance metabolism of glutathione and its response to stress conditions remained only partly understood. In many plants, one of the major  
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The glutathione-ascorbate cycle is a metabolic pathway that detoxifies hydrogen In the first step of this pathway, Oxidative stress; Peroxidases; References  
[http://en.wikipedia.org/wiki/Glutathione-ascorbate\\_cycle](http://en.wikipedia.org/wiki/Glutathione-ascorbate_cycle)

elevated transcript abundance for all the enzymes of the vitamin C recycling pathway (ascorbate-glutathione tolerance to oxidative stress

<http://www.jbc.org/content/287/17/14234.full>

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Apr 01, 2013 a central role in the abiotic stress tolerance of plants. ascorbate-glutathione oxidant metabolism and improved abiotic stress

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indicating that this strategy could be used to improve plant stress tolerance. on glutathione and ascorbate metabolism and on the expression of

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Tobacco chloroplast transformants and levels or redox state of ascorbate and glutathione. Reactive Oxygen Species/metabolism; Salt-Tolerance; Stress,

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