

**Metal toxicity in plants : perception, signaling and remediation /  
Dharmendra K. Gupta, Luisa M. Sandalio, editors**

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**Abstrak**

The purpose of this book mainly concerning the uptake and translocation of heavy metals in plants, mechanisms of toxicity, perception of metal and regulation of cell response under metal stress. Another key feature of this book is related to the studies on signaling and remediation processes in recent years, which have taken advantage of recent technological advances including "omic" approaches. In recent years transcriptomic, proteomic and metabolomic studies have become very important tools for analyzing both the dynamics of changes in gene expression and the profiles of protein and metabolites under heavy metal stress.