

1. Record Nr.	UNINA9910830061703321
Titolo	Beneficial Chemical Elements of Plants : Recent Developments and Future Prospects // edited by Sangeeta Pandey [and four others]
Pubbl/distr/stampa	Chichester, England : , : John Wiley & Sons Ltd, , [2023] ©2023
ISBN	1-119-69141-9 1-119-68881-7
Edizione	[First edition.]
Descrizione fisica	1 online resource (399 pages)
Disciplina	575.97
Soggetti	Growth (Plants) Plants - Effect of chemicals on
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"Beneficial elements like Aluminium (Al), cobalt (Co), sodium (Na), selenium (Se), and silicon (Si) play a vital role in plant growth. They reportedly increase a plants tolerance against biotic stress, like pathogens and herbivory, and to abiotic stresses such as drought, salinity, and nutrient toxicity or deficiency. Although these elements increase the growth and development of various plants against the fluctuating environmental conditions, their concentration and way of function varies for each plant in different conditions. These beneficial elements are not necessary for plants, but when provided, they benefit their growth subsequently, and can stimulate mechanisms of resistance to fluctuating environmental conditions and also promote the uptake of other nutrients and reimburse the toxic impacts of other elements."--