

*Ilaria Colzi obtained a second level degree in "Environmental Biology" and a European PhD in "Biosystematics and Plant Ecology" at University of Florence. Actually she is a researcher at the same University. Research interests: molecular and physiological studies on metal tolerance strategies of wild plants adapted to grow on heavy metals-enriched soils (e. g. mines or serpentine outcrops), and their potential for application in environmental technologies; plant responses and signalling under abiotic or biotic stress; studies on electrical signals generated by plants in response to external stimuli and their possible use as the next generation organic sensing device; application of green chemistry for the synthesis of metal nanoparticles from aqueous plant extracts.*