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Nota di contenuto	Chemistry and biology of selected Mexican medicinal plants -- Biomolecular targets of oxyprenylated phenylpropanoids and polyketides -- Secondary metabolites of endophytic actinomycetes: isolation, synthesis, biosynthesis, and biological activities.
Sommario/riassunto	The first contribution summarizes current trends in research on medicinal plants in Mexico with emphasis on work carried out at the authors' laboratories. The most relevant phytochemical and pharmacological profiles of a selected group of plants used widely for treating major national health problems are described. The second contribution provides a detailed survey of the so far reported literature data on the capacities of selected oxyprenylated phenylpropanoids and polyketides to trigger receptors, enzymes, and other types of cellular factors for which they exhibit a high degree of affinity and therefore evoke specific responses. And the third contribution discusses aspects of endophytic actinobacterial biology and chemistry, including

biosynthesis and total synthesis of secondary metabolites produced in culture. It also presents perspectives for the future of microbial biodecovery, with emphasis on the secondary metabolism of endophytic actinobacteria.
