



Plants, medicines and their necessities for human treatment and how they work
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Abstract:

As you know, plants have long been a source of medicinal plants that have been cultivated and used by humans. About 80% of the world's population still relies on primary health care plants, especially in Asian countries, even today in Western medicine, and despite advances in artificial chemistry, about 25% of prescription drugs are still taken directly or indirectly from plants. Behavior, and good practice The use of plants in medicines ranges from crude preparations or extracts, to refined extracts and single molecular species. In terms of categories of use this encompasses food supplements, herbal medicines, botanical drugs and prescription medicines. Increased interest in plants as a source of novel pharmacophores recognizes their chemical diversity and versatility, not matched by synthetic chemistry libraries. In spite of the surge of activity in synthetic chemistry over the last 20 years or so, almost half the some 850 small molecules introduced as drugs were derived from plant sources. Over 100 small molecules derived either directly or indirectly from plants are currently at some point in the clinical trials process. It is argued that the present use of plant-derived drugs and remedies only scratches the surface of what is a major reservoir of untapped potential, the level of biological and chemical diversity possessed by plants having much to offer in the drive for novel therapeutic agents in the fight against disease. Additionally novel developments in plant biotechnology and molecular biology add further dimensions to the use of plants in the production of therapeutic agents. The knowledge of the development of ideas related to the usage of medicinal plants as well as the evolution of awareness has increased the ability of pharmacists and physicians to respond to the challenges that have emerged with the spreading of professional services in facilitation of man's life

Keywords: plants; phytomedicines; herbal remedies; botanical drugs; plant-based prescription medicines;