

The Role of Natural Compounds in Pharmacological

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Received: July 19, 2021

Published: September 01, 2021

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Pharmacology is the science which concerned with the interaction of drugs with the systems and processes of living matter, notably, the mechanisms of drug which carried out.

Plants considered rich source of several compounds with potential effect on living matter, for both animals and humans, notably, the health utilizes of plants and their derived molecules are increasing every day. Due to biological activities and pharmacological discover. They are new methods to determine the pharmacological uses of plants and their derivatives to know the benefits of natural compounds.

Recently, plants are become uses in different aspects of the life, in particularly, in cure to the different diseases such as including cardiac disfunction, neoplasia, diabetes, circulation problems, and many others and industrial process.

Still now the people in developing country depend on tradition medicine (herbals) in cure, but they cannot on the natural plants to know the effective ingredient.

Although the progress in medicine, numerous diseases remain without practical treatment or have to deal with heavy drug side effects. Thus, any effort to improve human health is a new path to follow, and plant natural compounds represent an infinite reserve of molecules that can be explored. Undeniably, many therapeutic properties of plants are still to be discovered. This Special Issue is intended to substantially contribute to our knowledge on their curative properties.

Today, natural medicines not only provide the primary health-care needs for the majority of the population in developing coun-

tries but have attracted more and more attention in developed countries due to soaring health-care costs and universal financial austerity.

Importance of natural products for human lies in:

- As pharmaceutically active compounds (medicines)
- As crude drugs
- As health promotion compounds
- As ointment
- As food additives
- As perfumes
- As herbicides
- As pesticides etc.

Volume 2 Issue 10 October 2021

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