

CAROB (*Ceratonia siliqua* L.): medicinal and therapeutic virtues

MOUELLEF Adra et DJEKOUN Abdelhamid

Genetics, Biochemistry and Plant Biotechnology Laboratory, Team II Biotechnology and Plant Amelioration, Faculty of Nature and Life Science, Mentouri Brothers University, Constantine1, Algeria.

Email : adra.mouellef@umc.edu.dz

In all regions of the world, the history of peoples shows that plants have always occupied an important place in medicine, in the composition of perfumes and in culinary preparations. The carob tree (*Ceratonia siliqua* L.) is a tree belonging to the *Fabaceae* family, is one of the important crops typically Mediterranean, and is found in its natural state throughout Algeria. It is characterized by ecological and industrial importance. This work aims to present the biological activities of the carob tree, in order to enhance its exploitation. The use of derivatives of *Ceratonia siliqua* L. in traditional and modern medicine has been the subject of several studies. Indeed, all parts of this plant have medicinal and therapeutic virtues, very interesting given the pharmacological activities of the phytochemicals present in the biological extracts of the plant. Carob has outstanding antioxidant capacity along with other important medicinal activities; they have several interesting biological activities. The carob tree is considered an essential source of molecules for the manufacture of new drugs.

Keywords: biological activities, CAROB, chemical composition, drugs.