

Focus on Potential Health Benefits when using Natural Sweeteners in Place of Refined Sugar

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Abstract: *Sugarcane (70%) or sugar beet (30%) are the sources of sucrose, which is found in 99% of refined sugar, a processed product. In contemporary countries, sugar is still an important part of the diet and is valued for both its flavour and unique sweetening capabilities as well as its role in food preservation. On the other hand, a high intake of refined sugar is linked to various health problems, including a high risk of dental cavities, being overweight, and neuro developmental abnormalities in children, as well as non-communicable diseases. Due to their nutraceutical characteristics, alternatives like unrefined sugars have attracted a lot of interest as a healthy option. This essay aims to discuss the health benefits of sugar generated from natural sources and to identify potential health issues that may result.*

Keywords: Non-communicable diseases, food preservation, Refined sugar replacement, Natural sweetener, and Health benefits.

REFERENCES

- [1]. Abbas, S.R., Sabir, S.M., Ahmad, S.D., Boligon, A.A., Athayde, M.L., 2014. Phenolic profile, antioxidant potential and DNA damage protecting activity of sugarcane (*Saccharum officinarum*). *Food Chem.* 147, 10–16.
- [2]. Abdelmuti, O.F.E., Taiseer Hassan, M., 2019. Production of Bio Ethanol from Sweet Sorghum (*Sorghum Bicolor*) Juice.
- [3]. Abedi, A., Karimian, S.M., Parviz, M., Mohammadi, P., Roudsari, H.R.S., 2014. Effect of aqueous extract of Phoenix dactylifera pollen on dopamine system of nucleus accumbens in male rats. *Neurosci. Med.* 2014.
- [4]. Additives, E.P.o.F., Food, N.S.a.t., 2010. Scientific opinion on the safety of steviol glycosides for the proposed use as a food additive. *EFSAJ.* 8(4), 1537.
- [5]. Ahmad, S., Zubair, M., Iqbal, N., Cheema, N.M., Mahmood, K., 2012. Evaluation of sugarbeet hybrid varieties under Thal-Kumbi soil series of Pakistan. *Int. J. Agric. Biol.* 14(4).
- [6]. Ahmed, S., Alam Khan, R., Jamil, S., 2016. Anti hyperlipidemic and hepatoprotective effects of native date fruit variety "Aseel" (*Phoenix dactylifera*). *Pak. J. Pharm. Sci.* 29(6).
- [7]. Akbaraly, T.N., Singh-Manoux, A., Marmot, M.G., Brunner, E.J., 2009. Education attenuates the association between dietary patterns and cognition. *Dement. Geriatr. Cognit. Disord.* 27(2), 147–154.
- [8]. Ali, A., More, T.A., Shaikh, Z., 2021. Artificial sweeteners and their health implications: a review. *Biosci. Biotechnol. Res. Asia* 18(2), 227–237.
- [9]. Alkhalidi, A.K., Alshiddi, H., Aljubair, M., Alzahrani, S., Alkhalidi, A., Al-Khalifa, K.S., Gaffar, B., 2021. Sex differences in oral health and the consumption of sugary diets in a Saudi Arabian population. *Patient Prefer. Adherence* 15, 1121.
- [10]. Arif, S., Batool, A., Nazir, W., Khan, R.S., Khalid, N., 2019. Physicochemical characteristics, nutritional properties and health benefits of sugarcane juice. In: *Non-alcoholic Beverages*. Elsevier, pp. 227–257.
- [11]. Deng, Z., Luo, X.M., Liu, J., Wang, H., 2020. Quorum sensing, biofilm, and intestinal mucosal barrier: involvement the role of probiotic. *Front. Cell. Infect. Microbiol.* 504.