

WASTE MANAGEMENT IN COFFEE INDUSTRY: A STUDY ON ROLE OF COFFEE CERTIFICATION PROGRAMS

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ABSTRACT

Coffee is one of the important agricultural crops grown all over the world Arabica and Robusta are the two principal varieties are mainly cultivated. India is the seventh largest producer of coffee. Coffee is a brewed beverage with a distinct aroma and flavor, prepared from the roasted seeds of the Coffee plant. It is one of the preferred beverage by most of us. 1000 kg of fresh berry gives about 400 kg of wet waste pulp. Coffee pulp contains caffeine, tannins and organic solid residues. If the water wastes are discharged directly to the nearby streams it creates the water pollution and not properly managed causes environmental pollution also. Coffee waste treatment and management is very essential. Coffee certification programs includes many certifying criteria to avoid environmental pollution and waste management. Coffee certification programs adds value to coffee production process by promotion of conservation of natural resources, biodiversity and environmental protection and waste treatment and management. Waste management is the big challenge all over the world. Industrial waste treatment and management is very essential to avoid environmental pollution and health hazards to human beings and animals. Coffee pulp, one of the principal by products of wet processed coffee. Its disposal in nature, without any treatment, causes severe environmental pollution. Coffee certification programs are the good initiative towards coffee waste treatment and management. In this paper an effort will be made to understand how coffee industry generates waste and why treatment and management of these waste is essential and how coffee certification programs helps to manage the waste generated in the coffee industry.

KEYWORDS: *Coffee Industry, Waste Management*

Article History

Received: 24 Sep 2020 | Revised: 07 Oct 2020 | Accepted: 09 Oct 2020
