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(57) Abstract :
 Disclosed herein is a method for the preparation of nutrient media utilizing tea and coffee waste for microbial growth. The method involves drying the tea waste and using coffee ground waste directly. The method includes grinding and crushing the tea and coffee ground waste separately, followed by adding distilled water in a pre-determined ratio to obtain slurry mixture. The method further involves allowing slurry mixture to stand for a few hours, to obtain the supernatant liquid and filtering out the supernatant liquid from the mixture. The method further involves mixing filtered liquids in pre-determined ratio to make different combinations. The method further includes adding the solidifying agent while maintaining the pH, followed by sterilizing nutrient media and pouring, plating and inoculating the nutrient media with micro-organisms. Microbial growth is observed after incubation.

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