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Development of functional *Gulabjamun* from soya fortified milk

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Five different ratios of buffalo milk and soya milk *i.e.* 1 : 0, 1 : 1, 1 : 2, 1 : 3 and 1 : 4 indicated as T_0, T_1, T_2, T_3 and T_4, respectively and three different levels of maida *i.e.* 30 per cent, 33 per cent and 35 per cent indicated as M_1, M_2 and M_3, respectively were used in the present study. Fifteen treatment combinations used in the study *i.e.* T_0M, T_1M_1, T_1M_2, T_1M_3, T_2M_1, T_2M_2, T_2M_3, T_3M_1, T_3M_2, T_3M_3, T_4M_1, T_4M_2 and T_4M_3were replicated six times. Sensory evaluation of the 179 prepared functional *Gulabjamun* was carried out by using nine point hedonic scales. The data obtained during investigation were statistically analyzed by using factorial design and critical difference between treatment combinations. Highest overall acceptability of functional *Gulabjamun* was found in T_0M (8.35) and T_1M_1 (8.49). Amongst the different treatment combinations the highest flavour and taste score of 8.25 was found in T_0M followed by T_1M_1 (8.37). The treatment combination T_1M_1 was most acceptable in terms of body and texture as it has the highest score of 8.47.

Key Words : Buffalo milk, Soya milk, Khoa, Fortified milk, Sugar, Temperature

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