

Comparative study of the efficiency of induction and gas cook-tops

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■ **ABSTRACT :** The comparison of efficiency of induction cook-top with gas cook-top was done by the selection of 120 respondents randomly from urban area under municipal corporation limits of Ludhiana city. An interview schedule was prepared to collect data from the respondents. The laboratory experiments were conducted to evaluate selected appliances on the basis of efficiency, time and money cost of induction cook-top and gas cook-top. On the basis of the results of household survey, two commonly prepared recipes were cooked on both the appliances. The organoleptic evaluation of the recipes namely: *zeera* rice and potato vegetable was done by a panel of judges. Induction cook-top was 60.18 per cent efficient than gas cook-top (19.07 %) due to hardly any loss of heat. Induction cook-top took more time to cook both the recipes as compared to gas cook-top, while cooking cost was less in induction cook-top in terms of money cost. Organoleptic scores of cooked recipes were statistically non-significant indicating that there were no differences in both the appliances in terms of cooked food. Therefore, it is suggested that the induction cook-top need to be popularized as it is cost effective and efficient than gas cook-top.

■ **KEY WORDS:** Efficiency, Gas cook-top, Induction cook-top

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