



A CASE STUDY

Ergonomics evaluation of paddle operated *Aonla* pricking machine

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Abstract : In India an economical manufacturing remedy is vital for product being affordable to rural areas as well as small scale industries, in India *Aonla* produced on very large scale for various purposes like candy, *Murabba*, pickles etc. The purpose of study is to investigate and overcome problem by overcome manual method of pricking *Aonla* while manufacturing *Murabba*. *Aonla* has the hallowed position in Ayurveda. *Aonla* is native to India and also grows at tropical and sub tropical region like India, Pakistan Sri Lanka and Uzbekistan. In India Uttar Pradesh has the highest area under cultivation and production of *Aonla*. Area under *Aonla* orchard in Pratapgarh district of Uttar Pradesh is about 13000 hectares (Kumar *et al.*, 2014). Traditional method for making *Aonla murabba* is hygienic because for making *Murabba*, *Aonla* has to be pricked first and that pricking method of *Aonla* is drudgery prone and most of the workers are injured by hand pricking method. Also it takes too much time for pricking. Thus, to overcome these problems and keeping in mind the benefits of small and medium farmers a low cost, pedal operated *Aonla* pricking machine suitable for farm women has been designed. *Aonla* is an important Indian fruit crop with great potential for processing into various quality products. *Aonla* preserve making is an important economic activity in our country. The pricking methods are age old, hence a hand operated *Aonla* pricking machine was introduced in preserve making industries to speed up the pricking task.

Key Words : Processing, Traditional, *Aonla*, Ayurveda, *Murabba*

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