

Kinetics of colour changes in marigold petals during microwave drying

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■ **ABSTRACT** : Microwave assisted convective dehydration of marigold species *Pusa Narangi* petals was carried out at three levels each of microwave power (140, 210 and 280 W), air temperature (30, 45 and 60°C) and a constant air velocity of 0.5 m/s. The experiment was laid out using full factorial CRD with three replications. The colour values L, a, b of the marigold petals was measured with Hunter Lab colourimeter which were found decreasing. There was change in chroma values of marigold is due to drying by using both combinations of microwave power level and temperature. The total colour change has been increased significantly during microwave drying with drying time.

■ **KEY WORDS** : Marigold, Colour, Hunter lab colourimeter, Chroma

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