

## Thin layer drying model of squid

In this paper thin layer drying of squid is presented. Thin layer drying of squid was conducted under controlled conditions of temperature levels of 40 °C, 50 °C and 60 °C and relative humidity ranging 10% - 30%. Drying air temperature has great influence on the drying rates of squid and drying time decreases with the increase in drying air temperature. Eight different thin layer models were fitted to the experimental data of squid. The drying parameters of squid were function of air temperature and relative humidity. Page model was found to be the best and Logarithmic model was found to be next to the best. The agreement between the predicted and experimental values for Page model is excellent. The predictions of Page model, Logarithmic model and Henderson and Pabis model were very close. Either one of these three can be used to provide design data and for simulation and optimization of the dryer for efficient operation.

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