

عنوان مقاله:

Verification of a novel Thin-Layer Drying Mathematical Model of air Dried Mint leaves

محل انتشار:

کنفرانس بین المللی پژوهش های نوین در علوم کشاورزی و محیط زیست (سال: 1394)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Mentha leaves were dried in hot-air drying using 3 different air temperatures (60, 70 and 80°C) with velocity of 1 m/s. In this study, measured values were compared with predicted values obtained from twenty one thin layer drying theoretical/ semi empirical/ empirical equations. Also a novel model of kinetics of thin layer drying is tested in this study. Models with highest coefficient of correlation (R²) values were chosen as the best models. According to this, the introduced model showed the best coefficient of correlation for all of temperatures

کلمات کلیدی:

Mentha leaf, Moisture Ratio, Thin-layer Drying Models, Hot-air drying

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