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Experimental analysis of Okara drying using solar dryer

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This paper attempts to present experimental analysis of solar collector developed exclusively for drying of Okara (the by-product of processed soya) and to investigate nutrient retention of solar-dried okara. Solar drying is much feasible technically and economically. A prototype passive dryer designed was fabricated having 2 m x 1 m x 0.8 m cabinet size with provision of auxiliary 3kw plate heater used sun radiations are less. It is observed the nutrients of the dried okara was higher compared with samples dried in the open sun radiation. The analytical model used for drying okara fits best with experimental results.