

AN EXPERIMENTAL STUDY OF THE MUSHROOM DRYING BY SOLAR PANELS

ABENE ABDERRAHMANE¹, MEZACHE NACÉRA² & RAHMANI AHMED³

Istv, Université De Valenciennes Et Du Hainaut-Cambrésis, Le Mont Houy, B.P. Valenciennes, France

ABSTRACT

The application of solar panels chicane for drying is the low level of heat exchange with the air in the vein of the dynamic solar panel. This weakness in such systems does not allow optimum performance and high level of thermal efficiency to obtain their use. There is, however, a very significant improvement in heat transfer during baffles are arranged in rows in the channels. To perform experimental work, solar energy has been simulated with the aim of improving the relationship between temperature and the thermal efficiency of a solar thermal panel baffles for heating air and make use system to reduce the dryingtimemushroom .Éxperiental The study shows that we are making the economy of energy, time and quality of drying that can keep the product saveure.

KEYWORDS: Solar Energy, Air Heating, Solar Panel, Mass Transfer, Drying, Mushroom