

▪ **Mechanical/solar-assisted drying processes & systems**

- Design optimization of hot-air mechanical dryers through the numerical simulation of flow and heat/mass transport phenomena for attainment of uniform drying conditions
- Implementation of large-scale practical applications and pilot-type installations
- Investigation of the optimum drying conditions for various products (drying curves), development of models for the drying process.
- Further promotion of solar energy as a heat source for drying, using solar air collectors