

## **NUMERICAL HEAT TRANSFER AND FLUID FLOWS: PHASE CHANGE FUNDAMENTALS AND APPLICATIONS**

**NELSON MORAGA \***

\* Universidad de La Serena  
[nmoraga@userena.cl](mailto:nmoraga@userena.cl)

### **ABSTRACT**

- Food freezing, thawing, drying and freeze-drying
- Polímer injection and moulding
- Metals and alloys cast solidification
- Thermal energy storage