

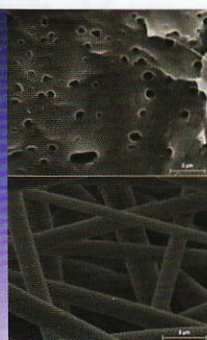
To study at laboratory scale new emerging refrigeration technologies food-based and system based

New technologies
food-based

**Superchilling
Supercooling**



**Nano PCM
Smart
Packaging**




New refrigeration
system-based

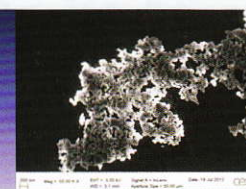
**Magnetic
Refrigeration**



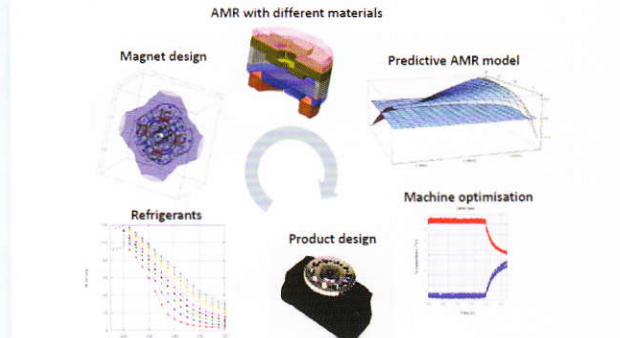
**Air
Cycle**



**Nano
Fluids**



AMR with different materials



>50% exergy efficiency is achievable with current refrigerants and compact permanent magnets, at market required span and cooling powers.

