



SUSMEDHOUSE

Sustainability and Competitiveness of Mediterranean Greenhouse and Intensive Horticulture.

Biodegradable Growth Media

Chemical-physical and Biological Properties



CNR-ISAFOM developed an innovative peat-free growth media (ZEO-COMPOST) using High Quality (HQ) compost mixed with selected zeolites for sustainable greenhouse soilless cultivation.



Composting organic waste

Plant residues



Tomato and pepper plant residues

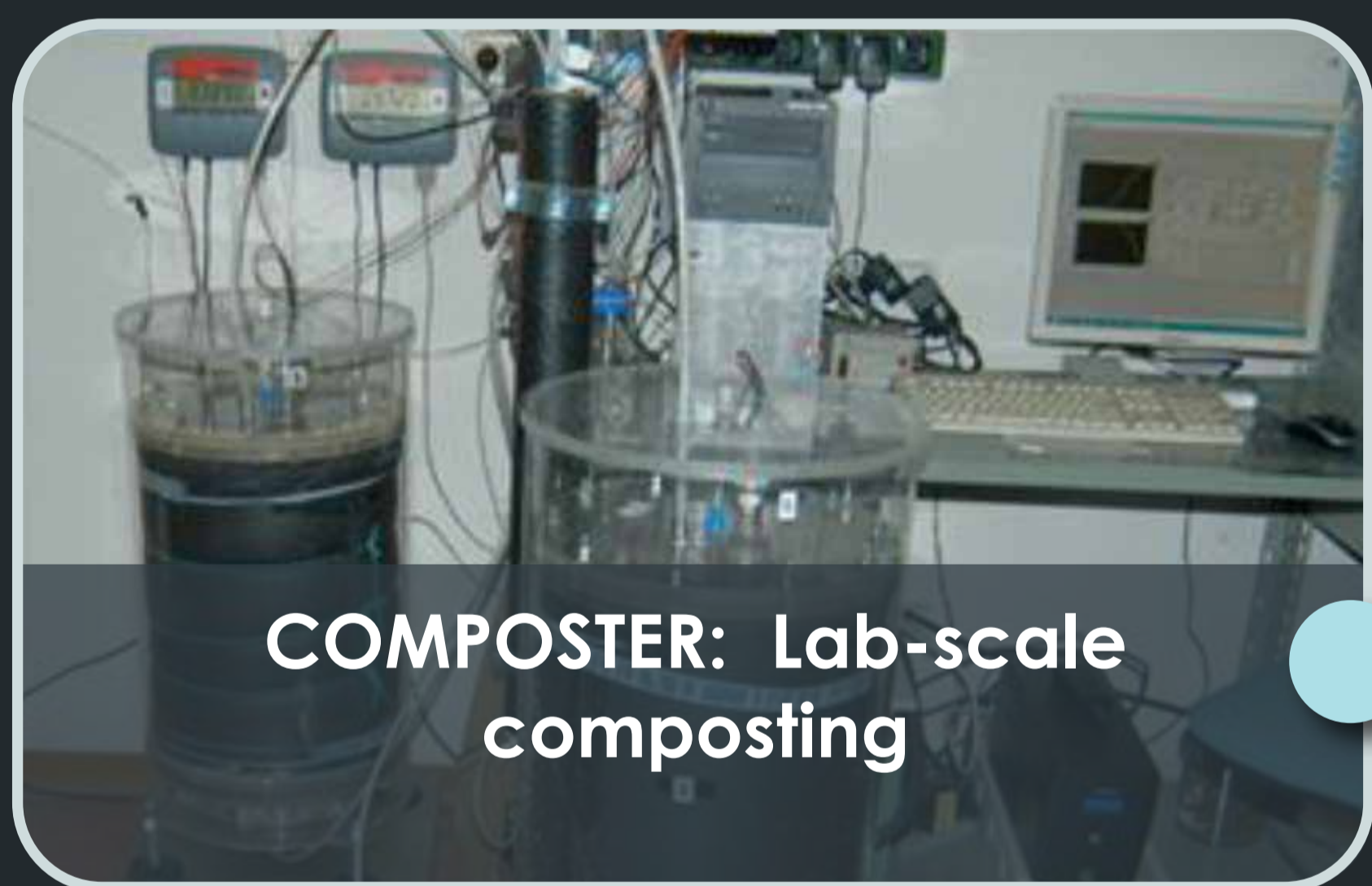
Wood residues



Wood-pruning coarsely chopped



Compost production

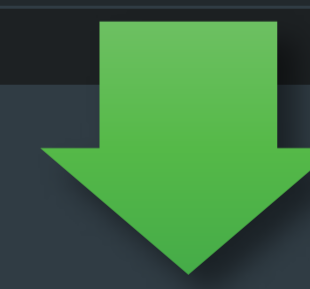


COMPOSTER: Lab-scale composting



Compost

Process optimization



Experimental section



On-farm ZEO-COMPOST production



Preliminary cultivation trial: tomato seedlings grown on selected ZEO-COMPOST



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