

BIOSHELL

Recycling crustacean shell wastes for developing biodegradable wastewater cleaning composites

<https://icechim.ro/project/bioshell-en/>

Portfolio of Outputs and Commercialisation Needs



Project consortium includes 1 enterprise:



Outputs

Valorisation methodologies for crustacean waste



TRL 4

Obtaining crude chitosan from chitin extracted from waste crustaceans.

Optimised wastewater treatment processes



TRL 5

Micropilot set-up for wastewater purification (heavy metal & antibiotic retaining and microbial effect demonstration).

Industry partners:



Products targeting pollutants



TRL 4

Three products targeting bacteria & pathogens with antibiotic resistant genes, metal ions and antibiotics.

Commercialisation Needs

Upscale of processes

More collaboration in getting product ready

Improved visibility and alignment across new products

Advertising/marketing for promoting technologies

Find beneficiary