

# Waste valorization for designing new fertilizer systems

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## RESEARCH ACTIVITY

- Identification, characterization and mixture design of raw and secondary raw materials for engineering eco-sustainable fertilizer based on glass or inorganic crystals
- Study of the chemical fundamentals of product and process
- Production of light granules and powders (atomized) with prolonged release of micro and macronutrients for in-soil and soilless crops
- Study of light, drained and fertilizing systems for hanging and technical greenery



## SERVICES

- Chemical (major and trace elements), mineralogical (qualitative and quantitative), thermal (fusibility, transformations following heat treatment) and physical (granulometry, morphology, etc.) characterization of raw and secondary raw materials
- Design of new fertilizing systems
- Contribution to field evaluation for new products and/or cultivation techniques