

WP 1 - Preliminary studies regarding the selection of new strains of microorganisms (yeasts) from the Pietroasa vineyard for the evaluation of oenological characteristics -31.12.2021

Act 1.1 - Isolation of microorganisms (yeasts) from the Pietroasa wine area

Act 1.2 - Original approaches for the selection of microorganisms, in order to obtain active dry yeasts

Act 1.3 - Testing of new yeasts identified in order to obtain active dry yeasts (partially)

Estimated results:

- Technical specifications of the raw materials used for vinification
- Yeast isolation report
- Screening report - ecological and genetic identification

Achived results:

- Isolation in pure culture of strains of *S. cerevisiae* and *non-Saccharomyces* species, different from a metabolic point of view (biodiversity), was achieved.
- The yeasts were identified by different techniques that allowed the identification of *S. cerevisiae* / *non-Saccharomyces* of the strains.
- Yeasts were identified by classical techniques and molecular techniques Maldi-TOF and PCR and the qualitative potential of the grapes was established.
- The new yeasts identified were partially tested in order to obtain yeast biomass
- The web page of the project has been created

