







## MICROBIAL PRODUCTION OF HEAT STABLE ANTIOXIDANT HYDROLYSATES AND PROTEASES FROM SQUACQUERONE CHEESE WHEY

Romano R (Università di Bologna), Bajo K, Fava F, Raddadi N

Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), University of Bologna, Italy.

E-mail: noura.raddadi@unibo.it

ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

## SPOKE, WP AND TASK

Spoke 8 - National Research Centre for Agricultural Technologies AGRITECH. WP1-Task 8.1.2: Valorisation of the waste by biotechnology processes to obtain high value molecules or new products.

## - INTRODUCTION AND AIM

Cheese whey (CW) is a source of nutrients that can be valorized in to high-added value compounds (Augustyniak et al., 2023; Romano et al., 2024).

✓ Few studies have focused on CW valorization by microorganisms for simultaneous production of bioactive compounds and proteases (Rochín-Medina JJ et al., 2018).

AIM: development of a process for the valorization of whole squacquerone cheese whey (SW) into bioactive compounds-enriched hydrolysate and enzymes through microbial routes.



## REFERENCES

Augustyniak A. et al. (2023) https://doi.org/10.1016/j.jff.2023.105528; Romano R. et al. (2024) https://doi.org/10.1002/cjce.25367; Rochín-Medina JJ et al. (2018) https://doi.org/10.1177/1082013217724705

This study was carried out within the Agritech National Research Center and received funding from the European Union Next-GenerationEU (PIANO NAZIONALE DI RIPRESA E RESILIENZA (PNRR) – MISSIONE 4 COMPONENTE 2, INVESTIMENTO 1.4 – D.D. 1032 17/06/2022, CN00000022). This manuscript reflects only the authors' views and opinions, neither the European Union nor the European Commission can be considered responsible for them.