

Chemical and Bioactive Characterization of *Coriolus versicolor*, *Hericium erinaceus* and *Pleurotus ostreatus* mushroom biomass



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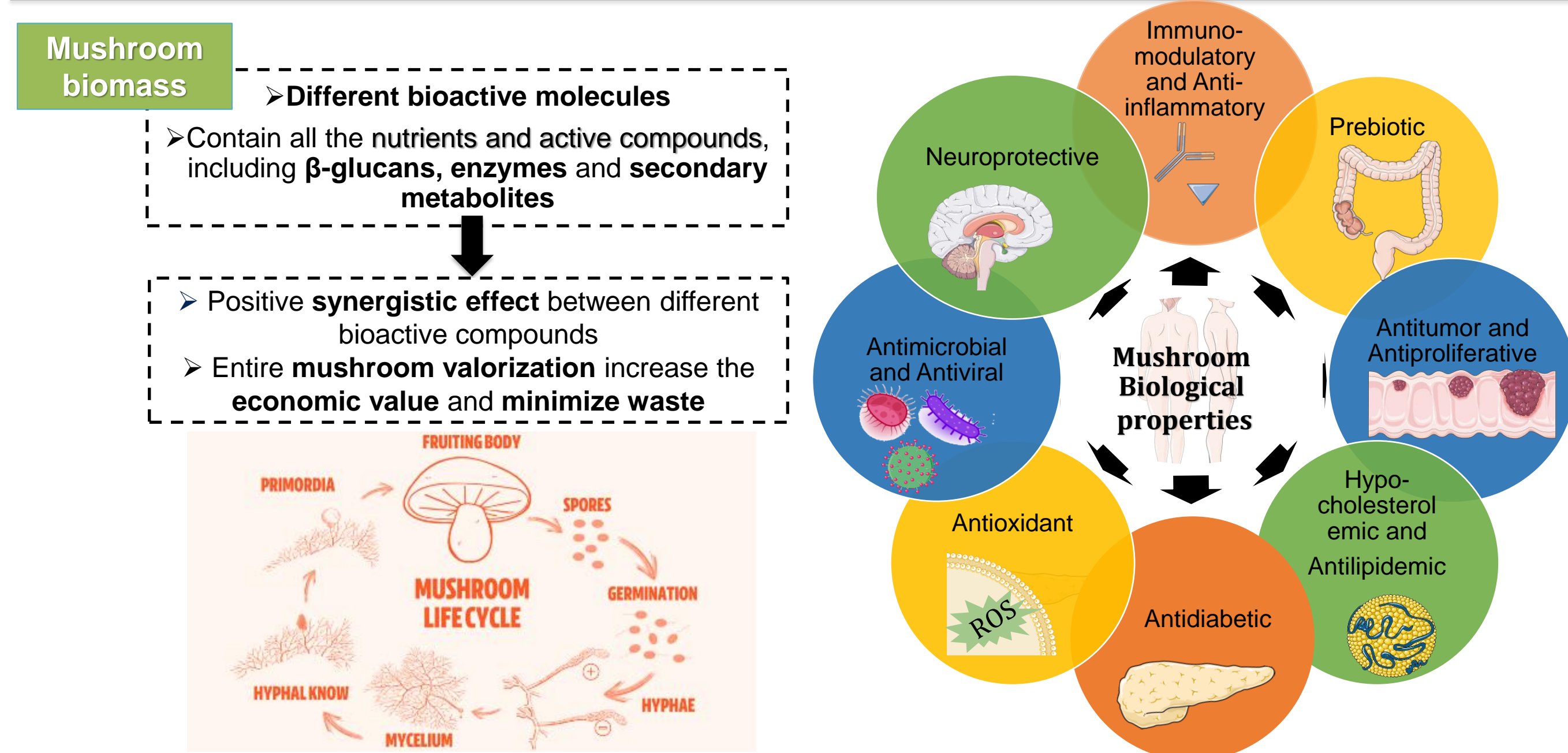
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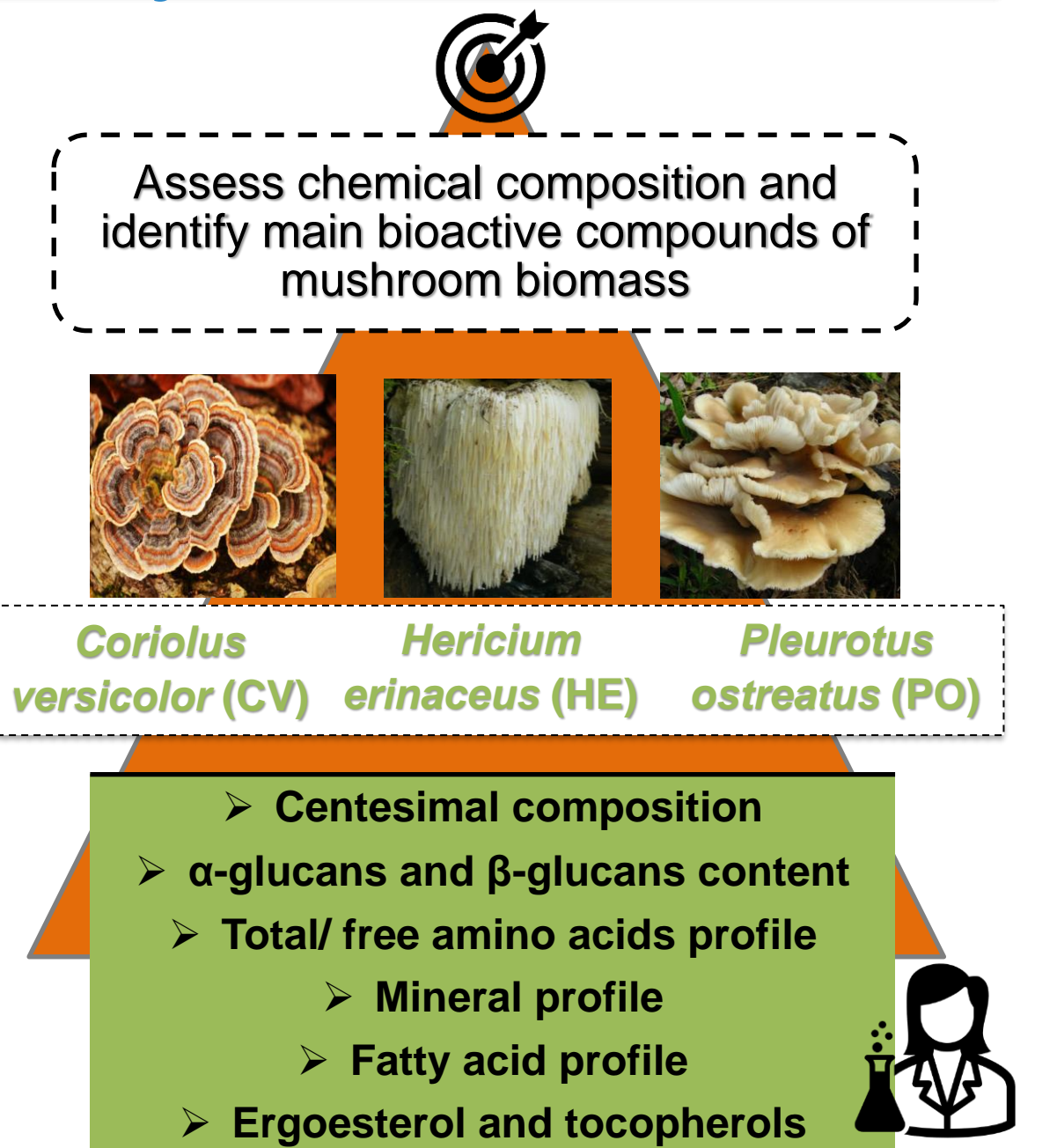
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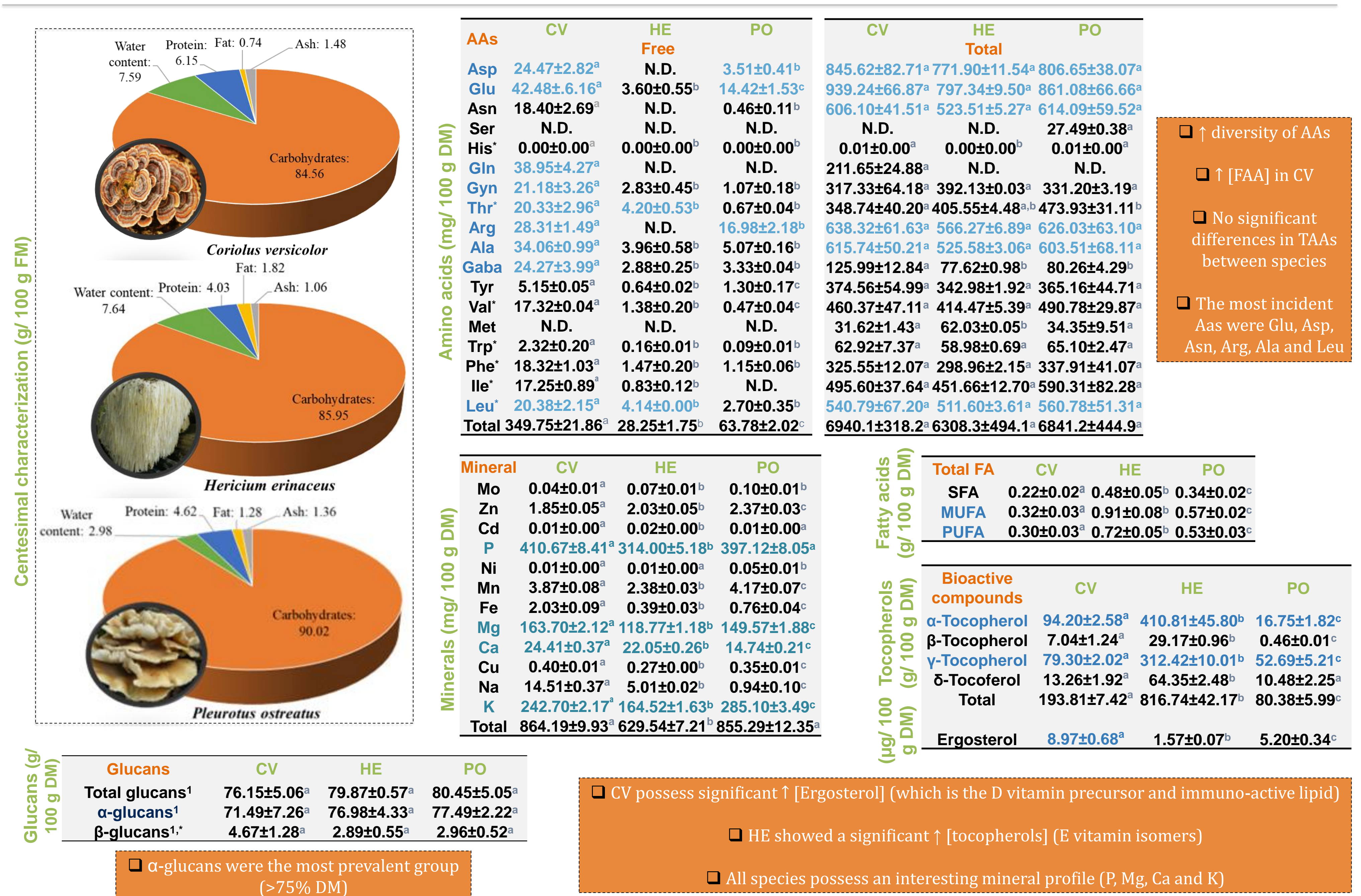
Background



Objective and Methods



Results and Discussion



Conclusions and Future Perspectives

- ☐ α -glucans were the most prevalent group, which is a very interesting result due to its reported prebiotic potential, and it is also an opportunity to study their biological properties since the studies are scarcer and more limited compared to β -glucans.
- ☐ The biochemical characterization showed a considerable presence of amino acids, minerals, unsaturated fatty acids, ergosterol and tocopherols that play important roles in human health including in the brain, cardiovascular and kidney functions.
- ☐ As future work, the gastrointestinal impact on these bioactive compounds will be assessed as well as the potential on gut microbiota modulation.

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