

## Release LTP\_12\_2021

The current All-Species Living Tree Project release (LTP\_12\_2021) represents an update of the **LTP taxonomy** to take into consideration the several reclassifications in high taxonomy ranks (family and above) that have been accepted by the list editors of the IJSEM from September 2020 to September 2021 (see references 1 to 5)

We would like to remark that the **LTP\_12\_2021 contains the same number of species as the LTP\_09\_2021 (17,960 type strain sequences, until September of 2021)** but with a manually curated taxonomy (recorded in the field tax\_ltp, see Table 1. Fields description).

It also reflects the recent **valid publication of the names of forty-two phyla of Prokaryotes** (3).

To facilitate the navigation through the many taxonomic changes occurred during this year, the taxonomy of the tree groupings has been updated to show both, correct phyla names under ICNP as well as former nomenclatures (phyla names in parenthesis).

Taxa accuracy was cross checked with the nomenclature list available on the LPSN website (<https://lpsn.dsmz.de/>). In case of discrepancy between the LTP and LPSN taxonomies (e.g. when the LTP taxonomy recorded synonyms) then the field tax\_LPSN was written with the correct taxonomic hierarchy (Table 1. Fields description).

To update previous LTP releases (e.g. LTP\_04\_2021 and LTP\_09\_2021) with the current LTP taxonomy, please follow the short ARB guide published at <https://imedea.uib-csic.es/mmg/ltp/>.

If you have any questions or doubts, please do not hesitate contacting with the LTP team at [ltl@imedea.uib-csic.es](mailto:ltl@imedea.uib-csic.es)

## Acknowledgments

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## References

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