



Dr. BUI THANH LIEM

### Contact

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### Research Interest

- Molecular Biology
- Molecular cloning and gene editing
- Plant Breeding

### Research Topics

- Plant breeding
- Molecular cloning and gene editing
- Synthetic biology

### Lecturing courses

- Genetic engineering
- Genetic engineering Lab.
- Plant and animal cell culture lab.

### Typical Publications

1. Daan A Weits, Lina Zhou, Beatrice Giuntoli, Laura Dalle Carbonare, Sergio Iacopino, Luca Piccinini, Lara Lombardi, Vinay Shukla, **Liem T Bui**, Giacomo Novi, Joost T van Dongen, Francesco Licausi (2023). Acquisition of hypoxia inducibility by oxygen sensing N-terminal cysteine oxidase in spermatophytes. *Plant, Cell and Environment*. <https://doi.org/10.1111/pce.14440>.
2. **LT Bui**, V Shukla, FM Giorgi, A Trivellini, P Perata, F Licausi, B Giuntoli (2020). Differential submergence tolerance between juvenile and adult Arabidopsis plants involves the ANAC017 transcription factor. *The Plant Journal* 104 (4), 979-994.
3. **Liem T. Bui**, Giacomo Novi, Lara Lombardi, Cristina Iannuzzi, Jacopo Rossi, Antonietta Santaniello, Anna Mensuali, Françoise Corbineau, Beatrice Giuntoli, Pierdomenico Perata, Mirko Zaffagnini, Francesco Licausi (2019). Conservation of ethanol fermentation and its regulation in land plants. *Journal of Experimental Botany* 70 (6), 1815-1827.
4. **Liem T Bui**, ES Ella, ML Dionisio-Sese, AM Ismail (2019). Morpho-physiological changes in roots of rice seedling upon submergence. *Rice Science* 26 (3), 167-177.
5. JY Barnaby, SRM Pinson, J Chun, **LT Bui** (2019). Covariation among root biomass, shoot biomass, and tiller number in three rice populations. *Crop Science* 59 (4), 1516-1530.