



## IN VITRO PLANT BIOTECHNOLOGY AND PHYSIOLOGY GROUP

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<https://sites.google.com/a/fshn.edu.al/departamenti-i-bioteknologjisee/personeli-akademik/profasocdr-Valbona-Sota>

### Group Members

Akad. Prof. Dr. Efigjeni Kongjika; Msc. Brunilda Çuko

### Google Scholar

<https://scholar.google.com/citations?user=z0xrKfwAAAAJ&hl=en>

### Research Gate

[https://www.researchgate.net/profile/Valbona\\_Sota](https://www.researchgate.net/profile/Valbona_Sota)

### Research lines

- *In vitro* micropropagation and slow growth conservation of economically important plant species;
- Application of Temporary Immersion Systems (TIS) using SETIS and ElecTIS for the optimization of micropropagation process;
- Virus-free plant production via thermotherapy and meristem culture;
- Application of abiotic stresses (salinity, dryness) for *in vitro* selection of resistant cultivars in cereals;
- Alternations of chemical or physical factors under *in vitro* culture conditions to enhance the synthesis of secondary metabolites from aromatics plant species;
- Stabilization of homogeneous populations of hyperaccumulatory plants under aseptic conditions and evaluation of *in vitro* cultivation at different concentrations of heavy metals;
- Synthetic seeds production in endemic plant species;

