

**Name (.):** DUTA – CORNESCU GEORGIANA  
**Title (\*):** Senior lecturer dr.  
**Country/Countries (\*):** ROMANIA  
**Institute name:** Faculty of Biology, University of Bucharest  
**Department/section:** Department of Genetics  
**E-Mail:** georgianadc@gmail.com  
**Web address:** www.bio.unibuc.ro

**I AM LOOKING FOR :**  A PARTNER (FOR MY PROJECT)  A PROJECT TO JOIN

**BRIEF DESCRIPTION OF YOUR PARTNER SEARCH (\*)** (2-3 lines to be published on the website – the complete form will be available to download)

Plant and microbial biodiversity; rhizosphere; phytoremediation; biostimulation; modeling and developing scenarios for soil restoration, climate change and agronomical enhancement.

*Please complete the information below depending if you are looking for a partner (to join your project), or a project (you would like to join) – Max 1 page.*

**DESCRIPTION OF YOUR EXPERTISE /SKILLS**

The members of our reasearch team have more than 20 years of expertise in yeast and plant genetics and biodiversity.

**Yeast Genetics and Biodiversity:** identification, biodiversity and phylogeny of yeasts from various ecosystems, natural and related to human activity (soil, plants, industry, foods, feed); yeasts from polluted environments with biodegrading abilities of industrial and household wastes (e.g. hydrocarbons, oils); yeast-plant interactions involved in biocontrol and agricultural soil remediation (phytoremediation); yeasts associated with the rhizosphere used as plant bio-fertilizers. The team has a collection of more than 300 lab, environmental and industrial yeast strains.

**Plant Genetics and Biotechnology:** taxonomic identification of the plant species/populations/cultivars using DNA markers; quantification of the genetic diversity using molecular markers and partitioning of the intra and interpopulational genetic variation; reconstruction of the phylogenetic relationships between plant species/populations;

**DESCRIPTION OF YOUR PROJECT / THE PROJECT YOU WOULD LIKE TO JOIN**

We would like to join a project concerning inter-relations between socio-economic development and plant and yeast biodiversity in natural and industrial ecosystems;

Also we are interested in a project developing scenarios correlating plant and yeast biodiversity at global and national scales in order to assist decision-making processes in agricultural soil restoration and biodiversity conservation.

**DESCRIPTION OF THE EXPERTISE /SKILLS YOU ARE LOOKING FOR IN YOUR PROJECT**

**Please send this form back to:** [biodiversa@fondationbiodiversite.fr](mailto:biodiversa@fondationbiodiversite.fr)