Second Laureate Research & Development

- **Project Title:Producing suitable mycorrhizal biofertilizer (Mycoroot Brand) to use for plant production**
- **Researcher: Farhad Rejali (Ph.D.)**
- **Collaborators: Hadi Asadi Rahmani, Ahmad Asgharzadeh**
- **Collaborating Organizations: Soil and Water Research Institute**

Abstract:

For the first time, production of induced roots from five different plants, some of which have the acceptable genetic stability. They can be used not only in the preparation of mycorrhizal inoculants, but also in other producing processes. Surface sterilization of spores without reducing the ability of their germination have been achieved while remaining free of other microorganisms. The composition that is used as a fungus carrier guarantees spore germination ability in at least one year. Finally the tissue culture method has been operated for the first time for production. The use of the obtained product from this project benefits the economy of plant producers by the decreasing production costs and increasing water use efficiency. Production processes of this product and raw materials needed to make it are provided inside the country and does not require support from abroad. This product has a competitive advantage for its export to neighboring countries.