

# STIMULATION OF PLANT GROWTH BY BACTERIA PGPR

## Summary

In the zone of the rhizosphere, defined as the volume of soil that is under the direct influence of the roots of plants, there are many microorganisms that can have a positive, neutral or negative effect on plants. The bacteria that colonize the roots exert a positive impact on the growth of the host by direct or indirect mechanisms of change known as

plant growth promoting (PGPR). The interactions between the plants and soil microorganisms are responsible not only for the growth of plants, but affect also their health and fertility. These microorganisms, known as biofertilizers, represent a valuable alternative to chemical fertilizers.