

EMD MII EM : recherche et analyse d'articles

Questions :

- **Proposez un titre adéquat : (4 pts)**

Enhancement of seed germination and seedling vigor of wheat (*Triticum aestivum* L.) following PGPR treatments.

- **Donnez un résumé de 100 mots au max : (5 pts)**

- In order to investigate the effects of plant growth promoting rhizobacteria on improvement of seed germination and seedling vigor of wheat cultivars, an experiment was conducted. Four levels of rhizobacteria were treatment: single and co-inoculation *Azospirillum lipoferum*, *Azotobacter chroococcum*. Seed inoculation of PGPR strains significantly increased germination rate, and root length of wheat compared with the control. In addition, seedling vigor index was investigated and significantly affected by bacterial applications compared with the control. The results of this study suggest that *Azospirillum lipoferum* and *Azotobacter chroococcum* in combination have the potential to increase the growth and development of wheat cultivars.

- **Proposez 5 mots clés : (5pts)**

- Germination, Priming, Seedling vigor, PGPR.

- **Donnez une conclusion : (4 pts)**

The positive effect of PGPR inoculants on wheat growth observed in our experiments. Our results of experiment showed that priming with PGPR improves germination indices and seedling growth. The results of this study suggest that *Azospirillum lipoferum* and *Azotobacter chroococcum*, in combination have the potential to increase the growth and development of wheat cultivars.

- **Quel est le type de l'article : article de recherche. (2pts)**