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(57) Abstract :
A method (100) for assessing IAA and proline activity for arsenic tolerance in Parmotrema reticulatum lichen comprising the steps of soaking (102) the lichens Parmotrema reticulatum in a double distilled water (control) or aqueous solution of 4-Cl-IAA and proline or of As; putting (104) above solution for 4 hours in As; washing (106) with deionized water to remove adhering metal and further soaking for 4 hours in the aqueous solution of 4-Cl-IAA and proline; treating lichens (108) Parmotrema reticulatum and rinsing with deionized water to remove the adhering solution; allowing (110) to grow in sterilized petriplates lined with moistened absorbent cotton, in a BOD incubator run at 25±2°C. sampling (112) to assess various parameters.

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