Fig. 1: Growth performance of *Baccharis difusa* in Haglund nutrient solution

Fig. 2: Effect of Heavy Metals on Morphology of *Baccharis difusa*

Fig. 10 SDS PAGE protein profile of *Eucalyptus diffusa* Root treated with heavy metals:
1. Cadmium
2. Chromium
3. Mercury
4. Lead
5. Control
6. Marker proteins

Fig. 11 SDS PAGE protein profile of *Eucalyptus diffusa* Stem treated with heavy metals:
1. Cadmium
2. Chromium
3. Mercury
4. Lead
5. Control
6. Marker proteins
Fig. 12 SDS-PAGE protein profile of *Baccharis diffusa* Leaf treated with heavy metals

1. Cadmium
2. Chromium
3. Mercury
4. Lead
5. Control
6. Marker proteins

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**Fig. 56**

- A. *Senna laxata*
- B. *Alternanthera amara*
- C. *Senna spinosa*
- D. *Andrographis paniculata*
- E. *Baccharis pluribugensis*
- F. *Baccharis anemonifolia*

Inset: Inflorescence/Flowers
Fig. 42 Histochemical localisation of Cadmium in the Stem and Root of *B. abrotanoides*
A. Control Stem; B. Treated Stem; C. Control Root; D. Treated root.
e. Cadmium localisation; f. Cell wall thickening.

Fig. 43 Histochemical localisation of Chromium in the Stem and Root of *B. abrotanoides*
A. Control Stem; B. Treated Stem; C. Control Root; D. Treated root.
e & i. Epidermis with trichomes; f & g. Chromium localisation; h. Cell wall thickening.
Fig. 44: Histological localization of Mercury in the Stem and Root of Baccharis diffusa
A: Control Stem; B: Treated Stem; C: Control Root; D: Treated Root
e & f: Cell wall thickening; g: Palisade cells with turgor pressure

Fig. 45: Histological localization of Lead in the Stem and Root of Baccharis diffusa
A: Control Stem; B: Treated Stem; C: Control root; D: Treated root
e & g: Localization of lead; f: Cell wall thickening.
............ Dedicated to the
Ever loving Memory of My Father
Hoenhavia diffusa L.

Source: Horta Malabarica 7220

.......... Dedicated to the
Ever loving Memory of My Father