An approach to study the effect of automobile exhausts on the leaf epidermal features of some members of Family Apocynaceae

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Abstract

In the present investigation an effect of automobile exhausts on the leaf epidermal features of some members of Family Apocynaceae was studied. In the present experimental study the Stomatal Frequency, Stomatal Index, Length, Breadth and Epidermal Frequency for both surfaces i.e. Abaxial (Lower) and Adaxial (Upper) surface for both side i.e. Garden and Road side species were recorded. Selected plant species are *Alstonia scholaris* (L.) R.Br, *Catharanthus roseus* (L.) G. Don Variety (Pink), *Catharanthus roseus* (L.) G. Don Variety (White), *Carissa carandas* (L.), *Nerium oleander* (L.) Variety (Light pink), *Nerium oleander* (L.) Variety (Pink), *Nerium oleander* (L.) Variety (White), *Plumeria alba* (L.), *Tabernaemontana divaricata* (L.) R. Br, *Thevetia neriifolia* Juss.

Keywords: Automobile, Epidermis, Stomata, Stomatal index, frequency, plant species