

An automated or semi-automated identification system using venation pattern to delimit Indian leaf drugs: A proposal

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ABSTRACT

About 7,200 medicinal plants are known to occur in India, of which, the leaves of a few hundred plants have medicinal properties. Identification of leaf drugs using venation is considered as one of the most reliable and convenient methods. Leaf identification by mechanical means may often lead to wrong identification. Due to the growing volume of illegal trade/malpractice in the crude drug industry on the one hand and lack of sufficient experts on the other, a much faster, convenient and reliable method is mandatory for the identification of Indian leaf drugs. Therefore, a new automated or semi-automated identification system based on venation pattern is inevitable for the present day condition to identify and authenticate the leaves of Indian medicinal plants.

KEYWORDS

Automated . botanist . identification . Indian leaf drugs . pharmacognosist . pharmacognosy . semi-automated . venation pattern

REFERENCES

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