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# HERBAL PLANT IDENTIFICATION

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A B S T R A C T

Herbal Plant Identification is about medicinal plants identification and classification using different technologies used in preprocessing, feature extraction and classification phases. The purpose of automatic identification and classification of medicinal plants is to educate and provide correct knowledge to common people and farmers, which will help to increase the cultivation of medicinal plants. This system also provides medicinal information details and species database to the suppliers, agents, pharmacy students, pharmaceutical companies, research students, Ayurveda practitioners, herbal plant researchers, botanists and to the cosmetic industry.

## PROBLEM DEFINITION

Most of the diseases can be cured easily without modern medicine by using naturally available herbal medicines.

In ancient days there were no hospitals and fertility centers though stayed very healthy than our lives. Their intakes were healthy and no fast foods. If they are ill also their illness were treated by natural intake itself without spending a lot for their medical issues. Now a days we fail in identifying the medically available plants and how to get benefited by the plants available locally.

## Illustrations

In the system the plant leaf image should be provided as input. There involves two processes which is

- Image processing
- Data extraction

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The input data which is image to will be processed known as image processing. Then if the plant image exists in the dataset it will be searched for its details such as name and uses. As the medicinal uses of the plant is given as output. For example
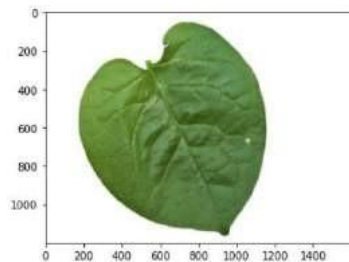


#### System implementation

The input to the system should be the image of leaf to be identified should exist in the system where the software exists.The leaf is provided as input which is further processed using convolutional neural networks algorithm.

## Image processing

## The input is processed using Convolutional Neural Networks algorithm.

### REFERENCES

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