

Leaf Image Recognition and Classification

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Abstract—

I. INTRODUCTION

A. DataSet

We found these datasets.

- 1) UCI leaf dataset [4]: 40 species with 5 to 16 samples per specie
- 2) Kaggle leaf dataset[3]: 99 species with 16 samples per specie
- 3) Swedish leaf dataset [5]: 15 species with 952 samples (roughly 60 samples per specie)
- 4) Flavia leaf dataset [6]: 33 species with roughly 60 samples per specie
- 5) Pl@ntNet [7]: the most challenging dataset as images are collected through crowd sourced application. 71 species with 5436 images.

II. APPROACH

A. Preprocessing

B. Object Detection

C. Feature Extraction

D. Classification

III. MEASUREMENT

IV. CONCLUSION

APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Some text for the appendix.

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