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Classification of Romanian medicinal plant extracts according to the therapeutic effects using thin layer chromatography and robust chemometrics

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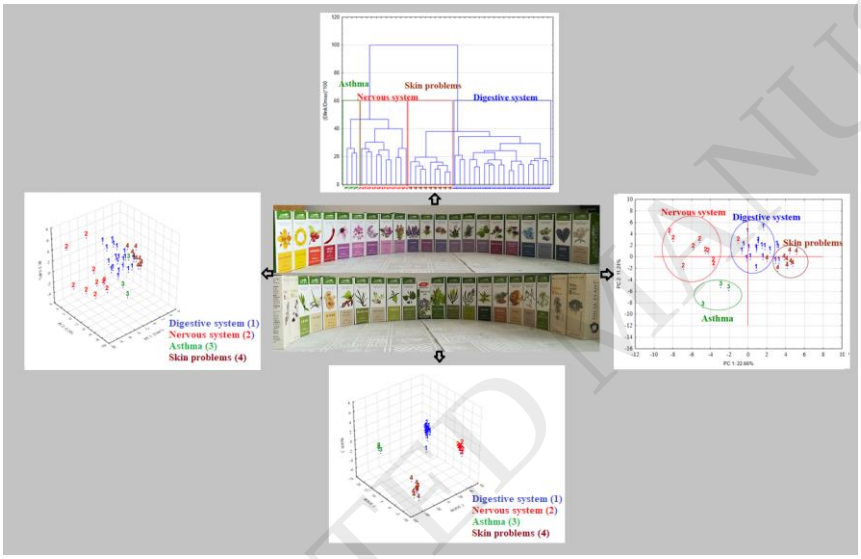
Graphical abstract



Highlights

- Medicinal plants were successfully classified according to the therapeutic effect using HPTLC-IA;
- Diffrent HPTLC plates and various image processing channels were investigated;
- The numerical data corresponding to all channels were evaluated by HCA, PCA, FPCA and LDA;
- Correct classification rate was computed for all data;
- The best chromatographic plates and image processing channels were selected.

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