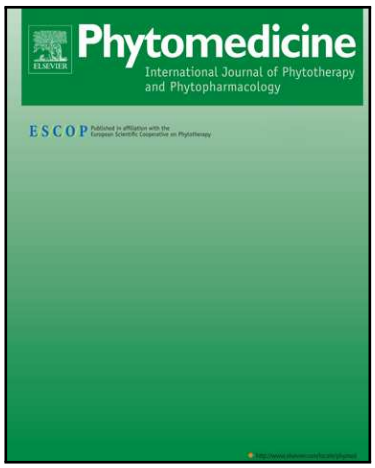

Rapid characterization of chemical markers for discrimination of Moutan Cortex and its processed products by direct injection-based mass spectrometry profiling and metabolomic method

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Highlights

- A strategy on the basis of ESI-QTOF MS was established for authentication of herbal medicines and its processed products.
- Direct injection and automated compound extraction algorithm was applied to rapidly extract each compound.
- Multivariate statistical analysis was performed for distinctly discrimination of Moutan Cortex in different processed degrees.
- A total of 14 and 3 chemical markers were identified in negative and positive mode respectively ~~and~~ to illustrated chemical changes of Moutan Cortex in different degrees to some extent.