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1 **A critical analysis of publication trends from 2005-2015 in microwave assisted extraction of**
2 **botanicals: how far we have come and the road ahead**

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7 **Highlights**

- 8 • Critical analysis of publication trends on microwave assisted extraction of plant
9 bioactive(s) from 2005-2015 through search by Scopus database
- 10 • Comprehensive report on the extent of research done on MAE of botanicals and a critical
11 performance report which can be handy tool for any beginner
- 12 • Core concept of strategizing and prioritizing research on MAE of botanicals made
13 simplified

14
15 **Abstract**

16 This review has been written with the objective to strategically screen the published research
17 papers (articles) through Scopus database related to microwave assisted extraction (MAE) of
18 bioactive(s) from plant matrix and present a critical analysis report. Scopus is world's largest
19 abstract and indexing database being used by researchers worldwide. This review discusses the
20 publication trends of articles from 2005-2015 related to the above mentioned theme which shall
21 give the readers a 10 year performance report to what extent MAE has been explored for
22 extraction of botanicals compared to other areas of research in natural products. Based on the
23 article screening some of the widely used domains related to MAE of botanicals and the top three

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