

研究论文

长江三角洲石芥宁属植物的精油成分及其与系统发育的关系

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摘要 本文运用色谱 / 质谱 / 计算机联用方法, 对长江三角洲地区石芥宁属 *Mosla* 5种植物进行分析比较, 发现这5个种在精油成分的组成上基本可分为两个类型: 一个类型含有大量的香荆芥酚和其他单萜类化合物, 倍半萜成分很少, 酚酯类化合物几乎没有; 另一个类型则在精油中含有大量的倍半萜和酚酯类化合物。笔者在化学分子水平上探讨了它们的种间亲缘关系和可能的演化途径。

关键词 [石芥宁属](#) [精油成分](#) [系统发育](#)

分类号

AN ANALYSIS OF THE CHEMICAL COMPOSITION OF ESSENTIAL OIL OF MOSLA IN THE YANGTZE DELTA AND ITS BEARING ON PHYLOGENY

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Abstract

This paper is a continuation of the previous one which has been dealing with a numerical taxonomic study on the variation patterns on population level of 5 species of *Mosla* (Labiatae) in the same region. In the previous paper, we have come to the conclusion that the 5 species of *Mosla* had differentiated into two main phylads in its early stage of evolution. In the present study, the essential oil extracted from the same species was analysed by means of a gas chromatograph-mass spectral in order to reveal the phylogenetic relationships of the said species on chemical level.

Key words [Mosla](#) [Essential oil](#) [Phylogeny](#)

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