

**Molecular support for transferring the tropical African species of *Gnidia* to *Lasiosiphon* (Thymelaeaceae: Thymelaeoideae) and a worldwide synopsis of the species.**

**Plant Systematics and Evolution**

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**Online Resource 2.** Type of data included, statistics, and phylogenetic characteristics of separate and combined analysis.

|                                      | <i>matK</i>  | <i>rbcL</i>  | <i>rps16</i> | <i>trnL-F</i> | ITS          | Combined plastid<br>( <i>matK+rbcL+rps16+trnL-F</i> ) | Combined<br>plastid+ITS |
|--------------------------------------|--------------|--------------|--------------|---------------|--------------|-------------------------------------------------------|-------------------------|
| No of Taxa included                  | 83           | 117          | 83           | 112           | 109          | 119                                                   | 119                     |
| No of characters                     | 778          | 1372         | 958          | 1336          | 743          | 4444                                                  | 5179                    |
| No of constant characters            | 496          | 1109         | 619          | 852           | 296          | 3076                                                  | 3360                    |
| No of variable                       | 282          | 263          | 338          | 484           | 447          | 1368                                                  | 1819                    |
| Sites                                | (36%)        | (19%)        | (35%)        | (36%)         | (60%)        | (31%)                                                 | (35%)                   |
| No of parsimony<br>informative sites | 167<br>(21%) | 175<br>(13%) | 189<br>(20%) | 269<br>(20%)  | 372<br>(50%) | 800<br>(18%)                                          | 1176<br>(23%)           |
| No of trees (Fitch)                  | 1215         | 103          | 1672         | 108           | 1195         | 5660                                                  | 1709                    |

|                                                                                                  |       |         |       |          |          |      |      |
|--------------------------------------------------------------------------------------------------|-------|---------|-------|----------|----------|------|------|
| No of steps (Tree length)                                                                        | 524   | 544     | 590   | 917      | 2360     | 2643 | 5049 |
| Consistency index (CI)                                                                           | 0.68  | 0.56    | 0.72  | 0.67     | 0.36     | 0.64 | 0.51 |
| Retention index (RI)                                                                             | 0.86  | 0.87    | 0.88  | 0.80     | 0.72     | 0.84 | 0.78 |
| Model selected by AIC                                                                            | TVM+G | TVM+I+G | TVM+G | TPM1uf+G | TIM1+I+G |      |      |
| Average number of<br>changes per variable sites<br>(number of steps/number<br>of variable sites) | 1.9   | 2.1     | 1.7   | 1.9      | 5.3      | 1.9  | 2.8  |

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