

## KEY TO SPECIES GROUPS

1	Apothecia verruciform; ascospores with a double wall, occasionally with a rough inner wall; C <sub>3</sub> –C <sub>7</sub> orcinol depsides often present [subg. <i>Pertusaria</i> ] .....	2
1:	Apothecia disciform; ascospores with a single smooth wall; chloroxanthenes absent; C <sub>1</sub> orcinol depsides, C <sub>3</sub> –C <sub>7</sub> depsones, or β-orcinol depsidones present [subg. <i>Monomurata</i> ] .....	8
2	Thallus corticolous .....	3
2:	Thallus saxicolous .....	6
3	Thallus sorediate or isidiate, lacking apothecia .....	<b>Group A</b>
3:	Thallus with apothecia, lacking soredia and isidia .....	4
4	Ascospores 8 per ascus .....	<b>Group B</b>
4:	Ascospores 2–4 per ascus .....	5
5	Ascospores (3–) 4 per ascus .....	<b>Group C</b>
5:	Ascospores 2 per ascus .....	<b>Group D</b>
6	Thallus sorediate or isidiate, lacking apothecia .....	<b>Group E</b>
6:	Thallus with apothecia, lacking soredia and isidia .....	7
7	Ascospores 8 per ascus .....	<b>Group F</b>
7:	Ascospores 2 or 4 per ascus .....	<b>Group G</b>
8	Thallus isidiate, usually with terminal apothecia; asci usually with 1 or 2 ascospores; lichexanthere and depsones absent [subg. <i>Monomurata</i> sect. <i>Digitatae</i> ] .....	<b>Group H</b>
8:	Thallus sorediate or with disciform apothecia; asci with 1, 2 or 8 ascospores; lichexanthere and depsones or β-orcinol <i>m</i> -depsides often present [subg. <i>Monomurata</i> sect. <i>Monomuratae</i> ] .....	9
9	Thallus corticolous .....	10
9:	Thallus saxicolous .....	13
10	Thallus lacking fertile apothecia, sorediate, isidiate or pustulate, or with sterile apothecia .....	11
10:	Thallus with fertile apothecia, with or without soredia .....	12
11	Thallus sorediate or isidiate .....	<b>Group I</b>
11:	Thallus pustulate or with sterile apothecia, lacking soredia and isidia .....	<b>Group J</b>
12	Ascospores 1 or 2 per ascus .....	<b>Group K</b>
12:	Ascospores 8 per ascus .....	<b>Group L</b>
13	Thallus sterile, sorediate or isidiate .....	<b>Group M</b>
13:	Thallus fertile .....	<b>Group N</b>