

Contents

Introduction	9
Part I. The Genus <i>Metzgeria</i> in the Tropical Andes.....	11
Genus <i>Metzgeria</i> Raddi.....	13
Key to the Genera of the Family Metzgeriaceae.....	15
Key to the Subgenera of Genus <i>Metzgeria</i>	15
Subgen. <i>Pinna</i> Kuw.....	16
1. <i>Metzgeria filicina</i> Mitt.....	16
Subgen. <i>Biforma</i> Kuw.....	20
Key to the Sections.....	22
Sect. <i>Biformimultiseria</i> Kuw.....	22
Key to the Species.....	23
2. <i>Metzgeria antarctica</i> Steph.....	23
3. <i>Metzgeria cleefii</i> Kuw.....	25
4. <i>Metzgeria parviinvolucrata</i> Kuw.....	28
Sect. <i>Biformimedioiserie</i> Kuw.....	30
5. <i>Metzgeria atramentaria</i> Kuw.....	30
Sect. <i>Biformibiseria</i> Kuw.....	35
Key to the Species.....	35
6. <i>Metzgeria agnewii</i> Kuw.....	36
7. <i>Metzgeria attenuata</i> Steph.....	39
8. <i>Metzgeria consanguinea</i> Schiffn.....	43
9. <i>Metzgeria neotropica</i> Kuw.....	46
10. <i>Metzgeria scyphigera</i> Evans.....	51
Subgen. <i>Suprigemma</i> Kuw.....	53
Key to the Sections.....	54
Sect. <i>Supripleniseria</i> Kuw.....	54
Key to the Species.....	55
11. <i>Metzgeria lechleri</i> Steph.....	55
12. <i>Metzgeria liebmanniana</i> Lindenb. et Gott.....	58
Sect. <i>Suprimultiseria</i> Kuw.....	65
Key to the Species.....	65
13. <i>Metzgeria allionii</i> Steph.....	66
14. <i>Metzgeria crassipilis</i> (Lindb.) Evans.....	68
15. <i>Metzgeria hegewaldii</i> Kuw.....	70
Sect. <i>Suprimedioiserie</i> Kuw.....	72
16. <i>Metzgeria cylindra</i> Kuw.....	73

Sect. <i>Supribiseria</i> Kuw.....	74
17. <i>Metzgeria dorsipara</i> (Herz.) Kuw.....	74
Subgen. <i>Metzgeria</i>	80
Key to the Sections.....	81
Sect. <i>Pleniseria</i> Kuw.....	81
Key to the Subsections and Species.....	82
Subsect. <i>Subpinna</i> Kuw.....	83
18. <i>Metzgeria gigantea</i> Steph.....	83
Subsect. <i>Pleniseria</i>	84
19. <i>Metzgeria claviflora</i> Spruce.....	84
20. <i>Metzgeria fruticola</i> Spruce.....	89
21. <i>Metzgeria gracilimascula</i> Kuw.....	93
22. <i>Metzgeria pulvinata</i> Steph.....	96
Sect. <i>Multiseria</i> Kuw.....	98
Key to the Species.....	98
23. <i>Metzgeria bracteata</i> Spruce.....	99
24. <i>Metzgeria rufula</i> Spruce.....	99
Sect. <i>Serpentina</i> Kuw.....	102
25. <i>Metzgeria undulata</i> Kuw.....	102
Sect. <i>Metzgeria</i>	106
Key to the Species.....	107
26. <i>Metzgeria conjugata</i> Lindb.....	108
27. <i>Metzgeria crenata</i> Steph.....	110
28. <i>Metzgeria laciniata</i> Kuw.....	111
29. <i>Metzgeria maegdefraui</i> Kuw.....	115
31. <i>Metzgeria myriopoda</i> Lindb.....	120
32. <i>Metzgeria sandei</i> Schiffn.....	121
33. <i>Metzgeria wallisiana</i> Steph.....	124
Sect. <i>Biseria</i> Kuw.....	125
Key to the Subsections and Species.....	126
Subsect. <i>Monoica</i> Kuw.....	128
34. <i>Metzgeria minor</i> (Schiffn.) Kuw. var. <i>cyanogutta</i> Kuw....	128
Subsect. <i>Falcata</i> Kuw.....	130
35. <i>Metzgeria bischlerae</i> Kuw.....	130
36. <i>Metzgeria ecuadorensis</i> Kuw.....	133
37. <i>Metzgeria leptoneura</i> Spruce.....	134
38. <i>Metzgeria papulosa</i> Steph.....	142
39. <i>Metzgeria polytricha</i> Spruce.....	144
40. <i>Metzgeria procera</i> Mitt.....	146
Subsect. <i>Australis</i> Kuw.....	150
41. <i>Metzgeria albinea</i> Spruce.....	151
42. <i>Metzgeria australis</i> Steph.....	152

43. <i>Metzgeria jamesonii</i> Kuw.....	157
Subsect. <i>Biseria</i>	158
44. <i>Metzgeria chilensis</i> Steph.....	160
45. <i>Metzgeria decipiens</i> (Mass.) Schiffn.....	163
46. <i>Metzgeria metaensis</i> Kuw.....	166
47. <i>Metzgeria sinuata</i> Loitl.....	169
48. <i>Metzgeria tonsa</i> Herz.....	172
Taxa Not Included in the Text.....	173
Taxa Placed in the <i>Aneura</i> and Illegitimate Names.....	173
Part II. A Survey of the Family Metzgeriaceae in the West Indies, Mexico, and Central America.....	175
Previous Reports of Metzgerian Hepaticae from the Region.....	177
Genus <i>Steereella</i> Kuw.....	178
Key to the Species.....	179
1. <i>Steereella lilliana</i> (Steph.) Kuw.....	179
2. <i>Steereella linearis</i> (Swartz) Kuw.....	184
Genus <i>Metzgeria</i> Raddi.....	188
Subgen. <i>Biforma</i> Kuw.....	188
Sect. <i>Biformibiseria</i> Kuw.....	188
1. <i>Metzgeria scyphigera</i> Evans.....	188
Subgen. <i>Suprigemma</i> Kuw.....	188
Key to the Sections and Species.....	188
Sect. <i>Supripleniseria</i> Kuw.....	189
2. <i>Metzgeria lechleri</i> Steph.....	189
3. <i>Metzgeria liebmanniana</i> Lindenb. et Gott.....	189
Sect. <i>Suprimultiseria</i> Kuw.....	190
4. <i>Metzgeria crassipilis</i> (Lindb.) Evans.....	190
5. <i>Metzgeria vivipara</i> Evans.....	190
Sect. <i>Suprimultiseria</i> Kuw.....	194
6. <i>Metzgeria auriculata</i> Grolle et Kuw.....	194
Subgen. <i>Metzgeria</i>	199
Sect. <i>Pleniseria</i> Kuw.....	199
Key to the Species.....	199
7. <i>Metzgeria claviflora</i> Spruce.....	199
8. <i>Metzgeria fruticola</i> Spruce.....	200
9. <i>Metzgeria spindleri</i> Steph.....	200
Sect. <i>Multiseria</i> Kuw.....	205
Key to the Species.....	205
10. <i>Metzgeria quadrifaria</i> Steph.....	205
11. <i>Metzgeria rufula</i> Spruce.....	208
Sect. <i>Serpentina</i> Kuw.....	210
12. <i>Metzgeria bractifera</i> Rakestraw et Clark.....	210

Sect. <i>Metzgeria</i>	210
Key to the Species.....	210
13. <i>Metzgeria furcata</i> (L.) Dum.....	211
14. <i>Metzgeria herminieri</i> Schiffn.....	211
15. <i>Metzgeria mexicana</i> Steph.....	215
16. <i>Metzgeria myriopoda</i> Lind.....	215
17. <i>Metzgeria sandei</i> Schiffn.....	216
Sect. <i>Biseria</i> Kuw.....	216
Key to the Subsections and Species.....	216
Subsect. <i>Falcata</i> Kuw.....	217
18. <i>Metzgeria leptoneura</i> Spruce.....	217
19. <i>Metzgeria papulosa</i> Steph.....	218
20. <i>Metzgeria procera</i> Mitt.....	219
Subsect. <i>Australis</i> Kuw.....	220
21. <i>Metzgeria albinea</i> Spruce.....	220
22. <i>Metzgeria australis</i> Steph.....	220
Subsect. <i>Biseria</i>	221
23. <i>Metzgeria aurantiaca</i> Steph.....	221
24. <i>Metzgeria decipiens</i> (Mass.) Schiffn.....	222
25. <i>Metzgeria innovans</i> Steph.....	224
26. <i>Metzgeria longitexta</i> Steph.....	227
27. <i>Metzgeria uncigera</i> Evans.....	227
Taxa Not Included in the Text.....	229
Taxa Placed in the <i>Aneura</i> and Illegitimate Name.....	229
Part III. List of the Taxonomic Characters of the Metzgeriaceae. . .	231
Summary.....	247
Literature.....	249