

Key to the species of *Megalastrum* in Brazil, Paraguay, and Uruguay

1. Indusia present, persistent
 2. Indusia completely covering the sori; scales bullate on the pinna rachises abaxially; lamina tissue between the veins adaxially glandular **7. *M. crenulans***
 2. Indusia partially covering the sori, about the size of a single sporangium capsule; scales non-bullate on the pinna rachises abaxially; lamina tissue between the veins adaxially glabrous **11. *M. indusiatum***
1. Indusia absent or (in *M. adenopteris*) minute and fugacious
 3. Laminae glandular abaxially
 4. Hairs on the abaxial surfaces ca. 1-2 mm long, 2-8-celled; glands on the lamina tissue abaxially stalked, never sessile
 5. Laminae 2-pinnate-pinnatisect at base, 2-pinnate-pinnatifid medially; petioles and rachises glabrescent **5. *M. canescens***
 5. Laminae 3-pinnate-pinnatisect at base, 3-pinnate medially; petioles and rachises conspicuously pubescent **12. *M. littorale***
 4. Hairs on the abaxial surfaces ca. 0.1-0.2 mm long, 1- or 2-celled; glands on the lamina tissue abaxially sessile or short-stalked
 6. Hairs on the abaxial surfaces of the costules more than 1 mm long **18. *M. wacketii***
 6. Hairs on the abaxial surfaces of the costules 0.2-0.3 mm long
 7. Laminae adaxially densely and evenly pubescent between veins; rachis scales appressed, inconspicuous; minute fugacious indusia present **2. *M. adenopteris***

7. Laminae adaxially glabrous between veins or sparsely
pubescent with a few hairs near the margins; rachis scales
spreading, conspicuous; minute fugacious indusia absent **17. M. umbrinum**
3. Laminae eglandular abaxially
 8. Scales of the petioles and rachises retrorsely denticulate
 9. Lamina tissue between the veins pubescent on both surfaces **15. M. retrorsum**
 9. Laminar tissue between the veins glabrous on both surfaces **14. M. organense**
 8. Scales of the petioles and rachises entire, or if denticulate, not
retrorsely so
 10. Lamina tissue pubescent between the veins abaxially, the hairs
erect or spreading, often acicular
 11. Hairs on the abaxial surfaces of the lamina between the
veins 0.4-0.6 mm long **3. M. albidum**
 11. Hairs on the abaxial surfaces of the lamina between the
veins ca. 0.2 mm **4. M. brevipubens**
 10. Lamina tissue glabrous between the veins abaxially (sometimes
with appressed reddish uniseriate scales, but no hairs)
 12. Scales on the abaxial surfaces of the costae and costules
sub-bullate to bullate
 13. Laminae 3-pinnate-pinnatifid at base, subcoriaceous,
lustrous adaxially
..... **10. M. inaequale**
 13. Laminae 4-pinnate-pinnatifid at base, chartaceous,
dull adaxially **1. M. abundans**
 12. Scales on the abaxial surfaces of the costae and costules
flat (non-bullate)
 14. Costae glabrous adaxially **9. M. grande**

14. Costae pubescent adaxially
 15. Hairs on the pinna rachises, costules, and veins
abaxially 0.5-0.7 mm long **13. M. oreocharis**
 15. Hairs on the pinna rachises, costules, and veins
abaxially 0.1-0.3 mm long
 16. Pinna rachises abaxially densely pubescent,
hairs substrigose
..... **16. M. substrigosum**
 16. Pinna rachises abaxially glabrous or
glabrescent, the hairs (when present) not
substrigose
 17. Laminae 1-pinnate-pinnatisect at the
middle; petiole scales dark brown **8. M. eugenii**
 17. Laminae 2-pinnate-pinnatifid or more
divided at the middle; petiole scales
yellowish brown **6. M. connexum**