An endemic genus of Madagascan spiders (Araneae, Archaeidae, *Eriauchenius*) is revised. All 20 species of *Eriauchenius* are described and keyed, of which 14 are new species: *Eriauchenius andriamanelo* sp. n., *Eriauchenius andrianampoinimerina* sp. n., *Eriauchenius goodmani* sp. n., *Eriauchenius harveyi* sp. n., *Eriauchenius lukemacaulayi* sp. n., *Eriauchenius milajaneae* sp. n., *Eriauchenius milothy* sp. n., *Eriauchenius rajfofy* sp. n., *Eriauchenius ranavalona* sp. n., *Eriauchenius rangita* sp. n., *Eriauchenius rixi* sp. n., *Eriauchenius sama* sp. n., *Eriauchenius wunderlichii* sp. n., *Eriauchenius zirafy* sp. n. Additionally, six species of the new genus Madagascarchaea gen. n. are described and keyed, of which four are new species: *Madagascarchaea fohy* sp. n., *Madagascarchaea lotzi* sp. n., *Madagascarchaea moramora* sp. n., *Madagascarchaea rahasahala* sp. n. Diagnostic characters for the Madagascan and African genera are described, and based on these characters and previous phylogenetic analyses the following species transfers are proposed: *Eriauchenius cornutus* (Lotz, 2003) to *Afrarchaea,* *Afrarchaea fisheri* (Lotz, 2003) and *Afrarchaea mahariraensis* (Lotz, 2003) to *Eriauchenius.* Finally, it is proposed that the distribution of *Afrarchaea* be restricted to South Africa. While several Madagascan specimens have previously been identified as *Afrarchaea godfreyi* (Hewitt, 1919), it is argued that these are likely misidentifications that should instead be considered *Eriauchenius.*
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