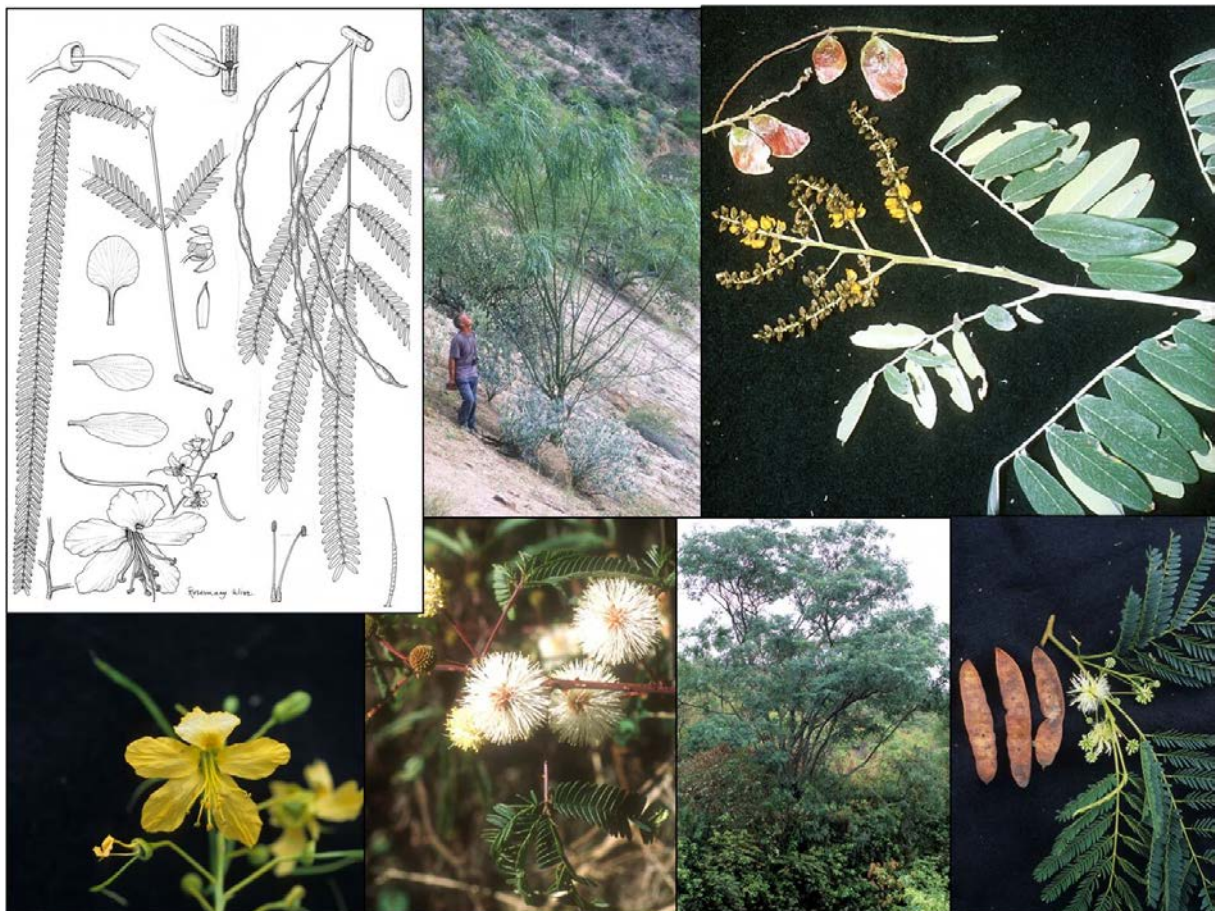


Revisionary Taxonomy

A central component of my research comprises field and taxonomic work to discover, delimit, describe and classify species. Taxonomic monography is pivotal for the large scale evolutionary studies that we are undertaking, as well as for the baseline inventory of biodiversity. At the heart of that agenda is monographic work on the legume genus *Lupinus* (c. 280 species), with an initial focus on the c. 85 species in the Andes. This is a longterm project for a plant group of considerable economic importance that builds on my earlier monograph of the legume genus *Leucaena* (Hughes, 1998).

New Legume Taxa

I also describe new taxa from other legume genera encountered during field work across the Neotropics. These include new species of *Parkinsonia* (Hughes et al., 2003), *Mimosa* from Bolivia (Atahuachi and Hughes, 2006), Brazil (Simon et al., 2010) and Peru (Lewis et al., 2010), *Leucochloron* (Hughes and Atahuachi, 2006), *Caesalpinia* (Lewis et al., 2010), and a new legume genus *Maraniona* from Peru, (Hughes et al., 2004). A new taxonomic account of the legume genus *Amicia* (Särkinen & Hughes, in prep) is in preparation.

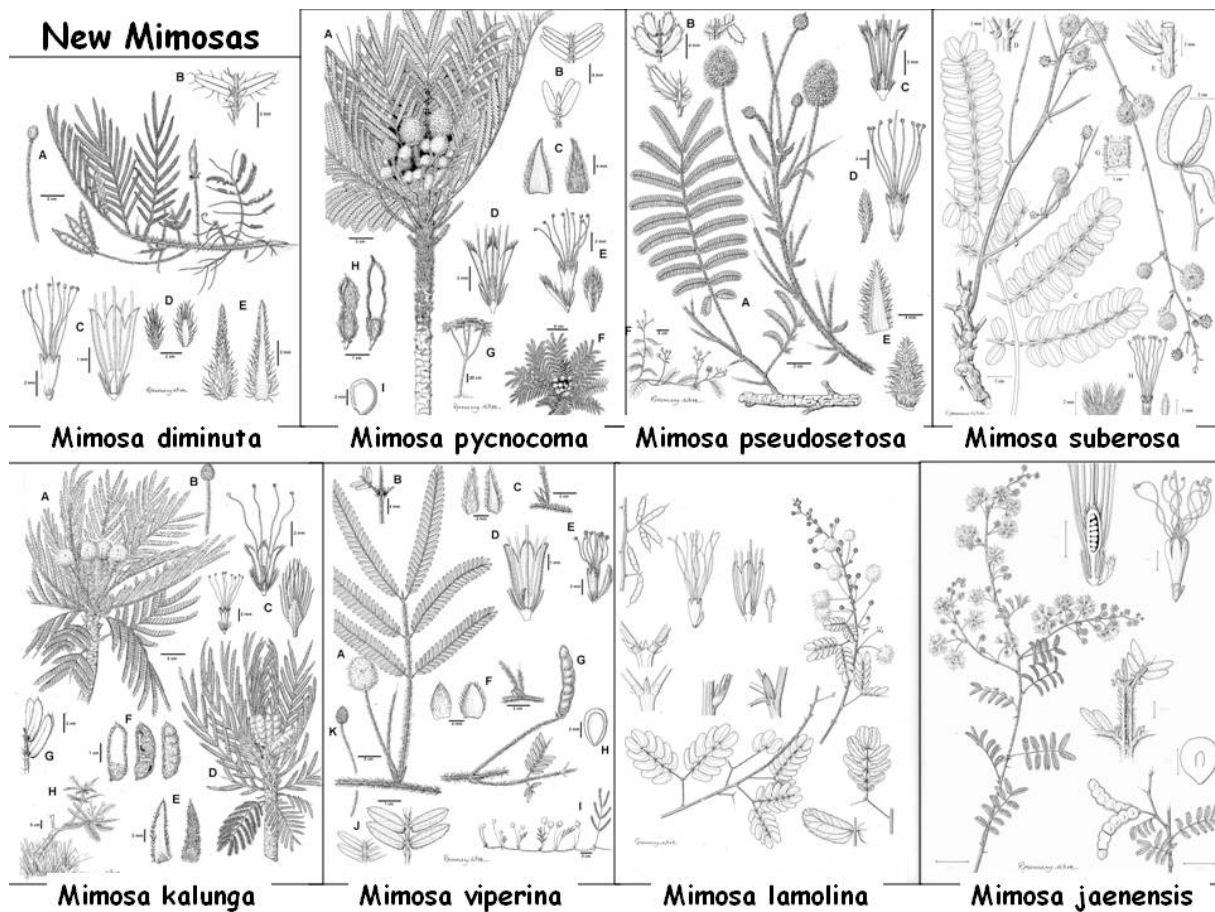


New legume taxa from the Andes. Clockwise from bottom left: *Parkinsonia peruviana* flowers, illustration and tree habit; *Maraniona lavinii*, *Leucochloron boliviana* leaves, flowers and fruits, tree habit; *Mimosa woodii*.

Mimosa

An important focus of our recent taxonomic work has been the large mimosoid legume genus *Mimosa*, which comprises c.530, mainly neotropical species. New species have been described from Bolivia in collaboration with Margoth Atahuachi (Atahuachi & Hughes, 2006), from Peru with Aniceto Daza, Jose

Luis Marcelo and Tiina Särkinen (Lewis et al., 2010; Särkinen et al., 2011), and from Brazil with Marcelo Simon (Simon et al., 2010).



New species of *Mimosa* from Bolivia, Brasil and Peru.

Taxonomic Publications

Särkinen, T.S. & Hughes, C.E. (accepted pending revisions). Systematics and biogeography of *Amicia* (Leguminosae, Papilionoideae). *Systematic Botany Monographs*.

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