Verbesina section	Characterisation	Occurrence	Taxonomic revision
<i>Alatipes</i> B.L.Rob. & Green.	Alternate or opposite leaves, radiate, large, subglobose capitula, yellow corollas, foliose phyllaries, and light- yellow ligules	Mexico	Not revised
Hamulium (Cass.) DC.	Alternate leaves, radiate, solitary capitula, small and yellow	Cuba, Guyana and Mexico	Not revised
Lipactinia B.L.Rob. & Greenm.	Alternate or opposite leaves, discoid and small capitula	Argentina, Bolivia, Brazil, Ecuador and Mexico	Blake (1925)
Ochractinia B.L.Rob. & Greenm.	Alternate leaves, radiate and small capitula, ray corollas white	Brazil, Costa Rica, Colombia, Guatemala, Guyana, Mexico, USA and Venezuela	Olsen (1985)
Platypteris (Kunth) DC.	Opposite leaves, 3–5 lobate leaves, discoid, large, subglobose capitula	Chile, Costa Rica, Guatemala and Mexico	Olsen (1988), Turner (2008)
Pseudomontanoa B.L.Rob. & Greenm.	Alternate or opposite leaves, 3–5 lobate leaves, radiate and small capitula, ray corollas yellow	Mexico and Venezuela	Turner (1985)
Pterophyton (Cass.) A.Gray	Opposite leaves, radiate, medium to large, solitary and usually numerous capitula, yellow corollas	Mexico and USA	Not revised
Saubinetia (J.Rémy) B.L.Rob. & Greenm.	Alternate or opposite leaves, oblong, oval to lanceolate leaves, radiate, small capitula, yellow corollas	Bolivia, Brazil, Chile, Costa Rica, Ecuador, Guatemala, Mexico, Nicaragua and Paraguay	Not revised
Sonoricola B.L.Rob. & Greenm.	Opposite leaves, radiate capitula, medium to large capitula, yellow corollas	USA, Mexico	Coleman (1966a)
<i>Stenocarpha</i> B.L.Rob. & Greenm.	Opposite leaves, sinuate-pinnatifid leaves, radiate, medium, subglobose capitula, phyllaries narrow-linear, pappilose cypselas	Mexico	Not revised
Verbesinaria DC.	Alternate or opposite leaves, radiate, numerous, medium to large capitula, ray flowers long, up to 2.5 cm, corollas yellow	Argentina, Arizona, Brazil, Ecuador, Mexico, Paraguay, Uruguay and USA	Not revised
Ximenesia A.Gray	Alternate or opposite leaves, radiate, large capitula, yellow to orange corollas	Argentina, Bolivia, Cuba, Mexico, Paraguay, Uruguay and USA	Coleman (1966b)

Supplementary file 1. Infragenic classification of Verbesina L. based on Robinson & Greenman (1899), and taxonomic revisions of sections