

Adoption of Silvopastoral Systems: A comprehensive systematic review & bibliometric analysis of global perspectives and trends.

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In the tropical climate zones, tree species such as *Jatropha curcas*, *Cedrella odorata*, *Tabebuia rosa*, *Swietenia* sp., *Leucaena leucocephala*, *Gliriciddia sepium*, *Guazuma ulmifolia*, *Parmenteira acuelata*, *Enterolobium cyclocarpum*, *Moringa oleífera*, *Moringa stenopetala*, *Theobroma cacao*, *Tithona diversifolia*, *Prosopis juliflora*, *Senna spectabilis*, *Guarea guidonia*, *Ceiba pentandra*, *Albizia saman*, *Zanthoxylum rhoifolium*, *Syagrus sancona*, *Attalea butyracea*, *Roystonea regia*, *Handroanthus serratifolius*, *Andira surinamensis*, *Hymenea courbaril*, *Apeiba tibourbou*, *Inga* sp., *Platymiscium floribundum*, *Schizolobium parahyba*, *Astrocaryum aculeatum*, *Maclura tinctoria*, *Spondias mombin*, *Cedrela fissilis*, *Zanthoxylum ekmanii*, *Cecropia purpurascens*, *Cocos nucifera*, *Aspidosperma cyliandrocarpon*, *Samanea tubulosa*, *Bactris gasipaes*, *Centrosema macrocarpum*, *Calycophyllum spruceanum*, *Guazuma crinite*, *Simarouba amara*, *Amburana cearensis*, *Ceiba samauma*, *Aspidosperma macrocarpon*, *Dipteryx odorata*, *Terminalia oblongata*, *Erythrina* sp., *Inga edulis*, *Ficus insipida*, *Gmelina arborea*, *Jatropha curcas*, *Crescentia cujete*, *Vitex pseudolea*, *Cordia ucayalensis*, *Ochroma pyramidale*, *Trema micrantha*, *Cratylia argentea*, *Dipteryx micrantha*, *Eucalyptus* sp., *Ormosia coccinea*, *Psidium* sp., *Cedrelinga cateniformis*, *Colubrina glandulosa*, *Mangifera indica*, *Faidherbia álvida*,

Vitellaria paradoxa, *Bauhinia forficata*, *Mimosa caesalpiniaefolia*, *Ziziphus numularia*, *Ailanthus excelsa*, *Eucalyptus tereticornis*, *Casuarina equisetifolia*, *Borassus flabellifer*, *Azadirachta indica*, *Madhuca longifolia*, *Annona reticulata*, *Ziziphus mauritiana*, *Tamarindus indica*, *Ceroxylon peruvianum*, *Ceroxylon quindiuense*,

Grasses reported in the same climate zone were: *Urochloa brizantha*, *U. humidicula*, *U. dictyoneura*, *U. decumbens*, *Panicum maximum* Jacq., *Melinis minutiflora*, *Hyparrhenia rufa*, *Andropogon* sp., *Cynodon plectostachyus*, *Megathyrsus maximus*, *Paspalum notatum*, *Echinochloa* sp., *Pennisetum* sp., *Digitaria eriantha*, *Arachis pintoi*, *Axonopus compressus*, *Paspalum dilatatum*, *Populus alba*, *Dactylis glomerata*. For livestock in the tropical climate zone: *Bos taurus*, *Bos indicus*, Cow, Goat, Chicken.

In regions with a **semi-arid climate**, the tree species include *Faidherbia albida*, *Vitellaria paradoxa*, *Brachiaria* spp., *Eucalyptus* spp., *Bauhinia forficata*, *Caesalpinia ferrea*, *Mimosa caesalpiniaefolia*, *Prosopis cineraria*, *Ziziphus nummularia*, *Acacia nilotica*, *A. tortilis*, *Ailanthus excelsa*, *Eucalyptus tereticornis*, *Casuarina equisetifolia*, *Borassus flabellifer*, *Azadirachta indica*, *Madhuca longifolia*, *Annona reticulata*, *Mangifera indica*, *Ziziphus mauritiana*, and *Tamarindus indica*.

For **temperate climates**, notable tree species are *Pinus taeda*, *Pinus palustris*, *Quercus* spp., *Juglans nigra*, *Robinia pseudoacacia*, *Amorpha fruticosa*, *Morus alba*, and *Prosopis juliflora*. The livestock commonly found in these areas include *Chicken*, *Honeybees*, *Sheep* (*Ovis aries*), and *Goats* (*Capra aegagrus hircus*).

In **arid climates**, the key tree species are *Prosopis juliflora*, *Acacia nilotica*, *A. tortilis*, *Faidherbia albida*, *Azadirachta indica*, and *Casuarina equisetifolia*.