



Systematics, Biogeography & Diversity

Oral presentation

Multilocus genetic and morphological phylogenetic analysis of the jumping spider tribe Nanneni with the description of one new genus and four new species (Araneae: Salticidae)

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Sri Lankan endemic genus *Epidelaxia* Simon, 1902 has remained taxonomically unrevised and has never been subjected to phylogenetic evaluation since its initial description. This study is designed to investigate the phylogenetic placement of *Epidelaxia* within the Tribe Nanneni Maddison, 2015. Using a multilocus molecular data set (18S, 28S, CO1 and H3) and 61 morphological characters (coded for 17 taxa), we provide the first hypothesis on the internal phylogenetic structure of the *Epidelaxia* and its placement within tribe Nanneni. We used TNT 1.1 for the parsimony analysis of the morphological data matrix and RAxML for the maximum-likelihood (ML) analysis of the molecular data set. The resulting ML analysis includes 30 taxa (09 ingroups, 21 outgroups). All analysis strongly supports the monophyly of *Epidelaxia* and validates its placement within the tribe Nanneni. Additionally, this study provides new diagnoses, description of a new genus and four species and a key to all *Epidelaxia* of Sri Lanka.