



## Saint-Hilaire's Polygalaceae

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### Abstract

This paper is a review of all Polygalaceae material on which the treatments of the family by Saint-Hilaire and Moquin-Tandon in 1828 and Saint-Hilaire in 1829 were based. It includes type designation for the names of all new taxa there proposed, except for *Polygala paludosa* var. *ambigua*. Some of the Saint-Hilaire and Moquin-Tandon's names which were omitted in several Neotropical Polygalaceous treatments are here reviewed. Therefore, one of them, *Polygala sellowiana*, is here re-established as the correct name for the species better known as *P. sabulosa*. More detailed information is provided for Saint-Hilaire's Polygalaceae collection.

### Resumo

Este artigo é uma revisão do material de Polygalaceae nos quais os tratamentos para esta família feitos por Saint-Hilaire e Moquin-Tandon em 1828 e Saint-Hilaire in 1829 foram baseados. Este artigo apresenta lectotipificação para os nomes de todos os táxons novos lá propostos, exceto para *Polygala paludosa* var. *ambigua*. Os nomes publicados por Saint-Hilaire e Moquin-Tandon que foram omitidos em diversos tratamentos para a família são aqui revisados. Com isso, o nome *Polygala sellowiana* é restabelecido para a espécie mais conhecida como *P. sabulosa*. São apresentadas informações detalhadas sobre a coleção de Polygalaceae de Saint-Hilaire.

**Key words:** Taxonomy, *Polygala*, Moquin-Tandon

### Introduction

Undoubtedly the French naturalist Auguste Provençal de Saint-Hilaire (1779-1853) ranks among the most important personalities in the history of Brazilian science, particularly in the context of the Brazilian Empire (Pignal et al. 2012). His work is characterized by a systematic and meticulous description of almost every relevant aspect of Brazil, including plants, vegetation, people, villages and many other subjects. Saint-Hilaire arrived in Brazil on 1 June 1816 and made 5 expeditions in the Brazilian and Uruguayan territories (the latter considered a Brazilian province at that time). Thus, Saint-Hilaire travelled through eight Brazilian provinces: Rio de Janeiro, Minas Gerais, Espírito Santo, Goiás, São Paulo, Santa Catarina and Rio Grande do Sul and Uruguay and left the Brazilian territory in September of 1822 having collected about 30,000 specimens (Dwyer, 1955), corresponding to 8,900 species (Pignal et al. 2012). Indeed most of them were new species. Saint-Hilaire seems to have had a special interest in particular groups of plants, and some of these new species from Brazil he later described himself, or sometimes in co-authorship. The family Polygalaceae is one that had his special attention and in which he published three different studies on this group, at that time including the genus *Krameria* Loefl. no longer assigned to Polygalaceae. Two preliminary papers were written and published almost simultaneously in the second half of 1828, and there is no certain means to establish which was published first. For the purpose of this enumeration, it is assumed that they were published in the sequence in which the manuscript was finalized, a date that appears at the beginning of each paper: 21 August and 2 September, respectively; but we cannot exclude that they were in fact published in inverse order, which is why, in my enumeration, I cite both places of publication sequentially. The first paper, the *Conspectus Polygalacearum Brasiliae meridionalis* (Saint-Hilaire & Moquin-Tandon 1828a), was a brief description of new species collected in Brazil and Uruguay. The second study, *Premier mémoire sur la famille de Polygalées* (Saint-Hilaire & Moquin-Tandon 1828b), was an approach to a discussion of the biogeography,

**TABLE 2** (continued)

Saint-Hilaire & Moquin-Tandon (1828)	Col.*	Number [According to Weddell's series]	Date	Locality (Country, States, City or region)
<i>Polygala adenophylla</i> var. $\beta$ <i>parviflora</i>	SH	C2 1382 [-1402]?	Feb. 1821	BR, SP, Itararé
<i>Securidaca lanceolata</i>	SH	C-2 104	Dec. 1821	BR, RJ, Rio de Janeiro
<i>Securidaca lanceolata</i>	SH	C-2 133	Dec. 1821	BR, RJ, Rio de Janeiro
<i>Polygala laureola</i>	SH	C-2 205	Dec. 1821	BR, RJ, Rio de Janeiro, Corcovado
<i>Polygala pulchella</i>	SH	C3 1867	10–11 Sept. 1820	BR, RS, Pelotas
<i>Polygala</i> sp.	SH	D 156	11 Feb. 1822	BR, MG, Serra Negra
<i>Polygala roubienna</i>	SH	D 163	11 Feb. 1822	BR, MG, Serra Negra
<i>Polygala bryoides</i> var. $\beta$	SH	D 206	15 Feb. 1822	BR, MG, Santa Rita de Ibitipoca, Serra de Ibitipoca
<i>Polygala cneorum</i>	SH	D 211	15 Feb. 1822	BR, MG, Santa Rita de Ibitipoca, Serra de Ibitipoca
<i>Polygala paludosa</i> var. $Y$ <i>amethystina</i>	SH	D 226	15 Feb. 1822	BR, MG, Santa Rita de Ibitipoca, Serra de Ibitipoca
<i>Polygala densiflora</i>	SH	D 310	23 Feb. 1822	BR, MG, São João del Rey
<i>Polygala</i> sp.	SH	D 311	23 Feb. 1822	BR, MG, São João del Rey
<i>Polygala hyssopifolia</i>	SH	D 337	23 Feb. 1822	BR, MG, São João del Rey
<i>Polygala galioides</i>	SH	D 379	23 Feb. 1822	BR, MG, São João del Rey
<i>Polygala gomphrenoides</i>	SH	D 380	23 Feb. 1822	BR, MG, São João del Rey
<i>Polygala paludosa</i> var. $\theta$ <i>gigantea</i>	SH	D 412	28 Feb. 1822	BR, MG, Nazareno [Caxuerinha]
<i>Polygala paludosa</i> var. $\zeta$ <i>appendiculata</i>	SH	D 412	28 Feb. 1822	BR, MG, Nazareno [Caxuerinha]
<i>Polygala paludosa</i> var. $\alpha$	SH	D 412	28 Feb. 1822	BR, MG, Nazareno [Caxuerinha]
<i>Polygala filiformis</i>	SH	D 425	1 March 1822	BR, MG, Carrancas [Serra de Carracas]
<i>Polygala spergulifolia</i>	SH	D 443	1 March 1822	BR, MG, Carrancas [Serra de Carracas]
<i>Polygala</i> sp.	SH	D 444	1 March 1822	BR, MG, Carrancas [Serra de Carracas]
<i>Polygala communis</i>	SH	D 466	7–8 March 1822	BR, MG, Aiuruoca [Serra da Juruoca]
<i>Polygala dunaliana</i> var. $\beta$	SH	D 531	9 March 1822	BR, MG, Aiuruoca, Serra do Papagaio
<i>Comesperma kunthiana</i>	SH	D 572	14 March 1822	BR, MG, Passa Quatro [Mantiqueira]

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