

***Atrophycus*, a new genus name for “*Setacea* (De Toni) Necchi & Rossignolo”**

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Necchi & Rossignolo (in Rossignolo & Necchi 2016: 343) introduced the genus name *Setacea* for *Batrachospermum* sect. *Setacea* De Toni, 1897 (De Toni 1897: 57). As the Latin adjective *setaceus*, -a, -um is a Group A adjective (meaning bristle-like or setaceous) the question arises as to whether the name *Setacea* can be used as a genus name as ICN Art. 20.2 (Melbourne Code, McNeill *et al.* 2012) specifies that “The name of a genus may not coincide with a Latin technical term in use in morphology at the time of publication...”. The International Plant Names Index (www.ipni.org) includes 274 “*setacea*” epithets in use at this time and AlgaeBase (www.algaebase.org) includes 40 such epithets.

“*La section des Sétacés*” was first introduced by Sirodot (1884: 31 *et seq.*) for two species of *Batrachospermum*: *B. dillenii* Sirodot and *B. gallei* Sirodot, both currently considered to be synonymous with *B. atrum* (Hudson) Harvey. The sectional name, however, was not validly published, as it has a French rather than a Latin termination (cf., ICN Art. 18, Ex. 10). The sectional name as conceived by Sirodot was validated by De Toni (1897: 57 ‘Sectio III: *Setacea*’) as a section of *Batrachospermum*, citing Sirodot and including the same two species.

Since the genus name *Batrachospermum* is neuter in gender, the sectional epithet *Setacea* as employed by De Toni is a neuter plural adjective, and since the name “*Setacea*” cannot validly be employed at the rank of a genus, a new genus name is necessary to replace “*Setacea* (De Toni) Necchi & Rossignolo”.

Atrophycus Necchi & Rossignolo, *nom. & stat. nov.*

Replaced synonym: *Batrachospermum* sect. *Setacea* De Toni, *Sylloge Algarum* 4: 57.1897.

Synonym: “*Setacea* (De Toni) Necchi & Rossignolo” *Phycologia* 55(4): 343, 2016, *nom. inval.*

Lectotype (here designated): *Atrophycus ater* (Hudson) Necchi & Rossignolo, *comb. nov.*

Basionym: *Conferva atra* Hudson, *Flora anglica*, ed. 2, Vol. 2: 597, 1778.

Atrophycus puiggarianus (Grunow) Necchi & Rossignolo, *comb. nov.* Basionym:

Batrachospermum puiggarianum Grunow in Wittrock & Nordstedt, *Algae aquae dulcis exsiccatae*, fasc. 11-12: no. 501, 1883.

Atrophycus atro-brasiliensis (Necchi & Rossignolo) Necchi & Rossignolo *comb. nov.* Basionym:

Setacea atro-brasiliensis Necchi & Rossignolo, *Phycologia* 55(4): 343, figs 5, 8, 11, 14, 17, 2016.

We are very grateful to Drs John McNeill and Werner Greuter, and most particularly to Dr Kanchi Natarajan Gandhi, for their scholarly advice on this rather convoluted matter.

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