

Gymnodinium subsalsum* (Biecheler) Sh.Murray & Guiry, *comb. nov.*, the correct name for *Gymnodinium venator* Flø Jørgensen & Sh.Murray, *nom. superfl.

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The designation “*Gymnodinium pellucidum* (E.C.Herdman) Flø Jørgensen & Sh.Murray” (in Flø Jørgensen & al. 2004: 362), *nom. inval.* for *Amphidinium pellucidum* E.C.Herdman would have been illegitimate as the name was previously occupied by *Gymnodinium pellucidum* Wulff (1919: 107, pl. 1: fig. 2), but the intended combination was invalid as the place of publication of the basionym was not indicated by the authors as required by ICN Art. 41.5 (Turland & al. 2018).

The name *Gymnodinium venator* was proposed for the designation “*Gymnodinium pellucidum* (E.C.Herdman) Flø Jørgensen & Sh.Murray” in a *Corrigendum* (Flø Jørgensen & Murray 2004: 1181) to avoid publishing a later homonym. However, this latter name while valid, is superfluous (although not illegitimate as it was formed from a legitimate generic name; Art. 52.4), but incorrect as it included in synonymy a valid, legitimate and thus available name, *Amphidinium subsalsum* Biecheler (1952: 26, fig. VI). We here propose a new combination for this taxon.

Gymnodinium subsalsum* (Biecheler) Sh.Murray & Guiry, *comb. nov.

Basionym: *Amphidinium subsalsum* Biecheler *Bulletin Biologique de France et de Belgique. Supplément* 36: 26, fig. VI, 1952.

Registration: <http://phycobank.org/104724>

Type locality: “Mare aux Pieux” [Étang de Thau, Hérault, Occitania, Mediterranean France].

Synonym: *Gymnodinium venator* Flø Jørgensen & Sh.Murray, 2004: 1181, *nom. superfl.*

Designation: “*Gymnodinium pellucidum* (E.C.Herdman) Flø Jørgensen & Sh.Murray” (in Flø Jørgesen & al. 2004: 362), *nom. inval.*

Note: Should future taxonomic studies establish that *Amphidinium subsalsum* Biecheler is *not* synonymous with “*Gymnodinium pellucidum*” *sensu* Flø Jørgensen & Sh.Murray, then the cause of the superfluity of *Gymnodinium venator* Flø Jørgensen & Sh.Murray would be removed, and this would become a correct name with nomenclatural priority (see Turland 2019: 64 and Art. 52.4). The type of *Gymnodinium venator* Flø Jørgensen & Sh.Murray is the type of *Amphidinium pellucidum* E.C.Herdman, described from beach sand at Port Erin, Isle of Man (Herdman 1922: 27, fig. 7).

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