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[Neopetractis](#) Ertz

Based on phylogenetic analyses using combined nuLSU, *rpb2* and mtSSU sequence data, Ertz et al. (2021) introduced [Neopetractis](#) (*Gyalectaceae*) to accommodate [N. luetkemuelleri](#) (Zahlbr.) Ertz (type species) and *N. nodispora* (Orange) Ertz previously belonging to *Petractis* Fr. (Orange 2009). In the phylogenetic tree two [Neopetractis](#) species formed a lineage close to the genus *Ramonia* Stizenb. and are distantly related to *Petractis sensu stricto*. (= *P. clausa* (Hoffm.) Kremp.). [Neopetractis](#) differs from *Petractis* in having a trentepohlioid photobiont and from *Gyalecta sensu lato* in having ascospores with a thick gelatinous sheath. The phylogenetically sister *Ramonia* differs from both [Neopetractis](#) and *Petractis* notably in having periphysoids and polysporous asci. [Neopetractis](#) as currently understood is a small genus of calcicolous lichens with endolithic or semi-epilithic, thallus, immersed apothecia, at first perithecioid, finally with a slightly to rather widely expanded disc, thin, colourless or yellowish exciple with angular, isodiametric to oblong cells, colourless hymenium, thin, colourless hypothecium, 8-spored asci with hyaline, ellipsoid, 3–5-transversally septate to submuriform ascospores.

References

- Ertz D, Sanderson N, Lebouvier M. 2021 - *Thelopsis* challenges the generic circumscription in the *Gyalectaceae* and brings new insights to the taxonomy of *Ramonia* Damien. The Lichenologist, 53(1), 45–61. doi:10.1017/S002428292000050X
- Orange A 2009 - A new species of *Petractis* (*Ostropales* s. lat., lichenized *Ascomycota*) from Wales. Lichenologist 41(3), 213–221. doi:10.1017/S0024282909008342

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