Parmelia Ach. s. str. in the southern Baltic region

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The lichen genus *Parmelia* in the southern Baltic region

**Summary**

The distinguishing morphological and chemical characters of the rare species *Parmelia* Ach. s. str. occurring in the southern Baltic region, namely *P. barrenoae* Divakar et al., *P. ernstiae* Divakar et al., *P. fraudans* (Nyl.) Ach. (including *radula* Ach. and *Ach.*), are presented. *P. barrenoae* is the only species occurring in the central part of the region. The other two appear to be common. At least three of the species, *P. ernstiae* and *P. fraudans* are increasing in frequency in the region and spreading northwards.

**Isidiate species**

*Parmelia ernstiae* Divakar, M.C. Molina & Crespo

Key characters: reddish margin, isidia blackish at tips. Distribution: Denmark, Estonia, Sweden, Poland, Germany.

*Parmelia fraudans* (Nyl.) Ach.

Key characters: yellow sorrel. Distribution: Estonia. Sweden (Småland).

*Parmelia submontana* (Nyl.) Ach.

Key characters: Domed shaped lobes, isidia-like soredia, and, in fact, closer related with *Parmelia* species. Distribution: Denmark (Mecklenburg), Poland, Sweden (Skåne). Probably much overlooked.

*Parmelia velata* (Taylor, are presented. Four of the species are cryptic or semi-cryptic, being recent

**Species without vegetative propagnles**

*Parmelia omphalodes* (L.) Ach. subsp. *omphalodes* (Nyl.) Skult. Key characters: salazinic, protolichesterinic and lichesterinic acids; 3) atranorin, consalazinic, salazinic, lobaric. Furthermore, three chemotypes of *P. omphalodes* are presented. Four of the species are cryptic or semi-cryptic, being recent

**Sorediate species**

*Parmelia barrenoae* Divakar, M.C. Molina

Key characters: Similar to *P. barrenoae* but simple to fan-like fruticose, sorrel develops in cracks. Distribution: Poland.

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Key characters: Domed shaped lobes, isidia-like soredia, and, in fact, closer related with *Parmelia* species. Distribution: Denmark (Mecklenburg), Poland, Sweden (Skåne). Probably much overlooked.

*Parmelia sulcata* (Nyl.) Ach. s.o. Tent.

Key characters: Sorrie from laminal sorrela – not cocks – but very variable morphology. Distribution: ± common.

**Acknowledgement**

The Ove Almborn Foundation is thanked for financial support.

**References**


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