

***Liparis stricklandiana* (Orchidaceae, Liparidinae) – study of flower structures in the context of the pollination processes**

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In our report we present results of an investigation concerning the pollination pathways in *Liparis stricklandiana* (Orchidaceae, Liparidinae). During conducted study we have observed the signs of secretion at the lip surface. This fact has led us to investigate flower samples by means of both scanning (SEM) and transmission electron microscope (TEM). As the result of performed analysis, we have confirmed for the first time secretion of floral liquid attractant at the species flower elements, especially at the lip. Additionally, we performed the analysis of morphology of flower elements and pollination functions.

What is more, observation made upon living plants, let confirm the facultative process of self-pollination for *Liparis stricklandiana*, which occur at the end of anthesis. As further research revealed, this kind of phenomenon has never been described before for this species.