

BOTANY

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Premium Edit

In order to spread the breeding area in the Orchidaceae, The seed shapes and seed-coat patterns of orchids are important characteristics that determine the range of seed dispersal to ride upon the by winds. To understand how the differences in habitat and environmental conditions influence these characteristics, Here we report studied the seed shapes of the seeds and dispersal range of 61 orchid Japanese orchid species from heterogeneous various habitats. As a result, in the case of Our observations show that orchids in each habitat have evolved in unique ways for adaptation. For example, the seed shape of orchids family grown in dark dense forests, the seed shape is tends to be long and narrow. This shape may be evolved in order to a possible adaptation in to the dark forest with weak-wind conditions and growing competition with many other trees and grasses for expanding their breeding area a wider distribution.

**Comment [A1]:** It is important to mention the objective of your study before you state what you did in the study. Without this introductory phrase, your previous sentence is not well connected with this one.

**Comment [A2]:** Perhaps you should mention what the different types of habitats were, apart from the dense forests you mention later. For example, did you include any from grasslands, whether the orchids terrestrial or epiphytic, etc.

**Comment [A3]:** Since you have studied orchids from various habitats, I have included a general statement that I think reflects your overall observation. Please let me know if this is not what you intend to say.

**Comment [A4]:** Please check if this is what you mean.