

## Abstract:

The terrestrialization of land plants was an important event in the history of life on Earth. Genomic and transcriptomic studies published in the last decade shed light on many aspects of this process. This work presents an overview of the traits facilitating the conquest of land by land plants. It focuses on streptophyte algae to elucidate what properties relevant to life on land the ancestors of terrestrial plants possessed and in what form, primarily using recent genomic and transcriptomic data.