

Abstract

Understanding the causes of biological invasions is a key topic of ecological research in the last decades. Invasive plant species threaten communities, ecosystems and humans in many different ways. Therefore, it is important to determine what characteristics enable them to become invasive. In this work, I summarize the possible causes and consequences of plant invasions focusing on one possible mechanism - the plant-soil feedback. This feedback can support or suppress the growth of plants. Most species have negative feedback, but some invasive plants have positive feedback. And that could be the cause of their invasiveness. This work summarizes the findings of the plant-soil feedback, the methods to study the feedback and especially the importance of plant-soil feedback for plant invasiveness.