

## ABSTRACT

A symbiotic relationship inherently depends on the development of a reliable information channel. This network provides an unintended opportunity for rouge agents to reap benefits by counterfeiting honest signals. In a plant-pollinator system, plants have a multitude of potential signals, primarily visual and olfactory. Some signals are a byproduct of rewards, while others can be positively correlated through pollinator conditioning. Successful pollinators cross-reference signals with prior experiences in order to determine the integrity of their sender. We examine the parameters of honest signaling as high-yield and low-yield plants compete for visitation rates in a repeated Sir Philip Sidney Game.