

Signed networks in ecology: new challenges for understanding ecological communities

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In recent years, the increase of interaction data available has led ecologists to move forward in the study of ecological communities, advancing from systems which only consider one type of interaction to systems which combine different types simultaneously. This advance puts ecologists directly in the world of signed networks. However, before deepen in this field; there are several shortcomings that scientists must face, including both theoretical and analytical aspects. In the present talk I will speak about some problems that scientists working with ecological signed networks will face, how the analysis of these ecological systems has been taken so far, and one example of the use of specific signed networks methodology in plant communities.