

Accepted Manuscript

Effects of the spatial heterogeneity on the diversity of ecosystems with resource competition

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PII: S0378-4371(13)00795-4

DOI: <http://dx.doi.org/10.1016/j.physa.2013.08.045>

Reference: PHYSA 14675

To appear in: *Physica A*

Received date: 7 March 2013

Revised date: 13 August 2013

Please cite this article as: M.B. de Souza Júnior, F.F. Ferreira, V.M. de Oliveira, Effects of the spatial heterogeneity on the diversity of ecosystems with resource competition, *Physica A* (2013), <http://dx.doi.org/10.1016/j.physa.2013.08.045>

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Highlights

The core points of our manuscript are:

- 1) We propose a computer simulation model to study the role played by spatial heterogeneity on ecosystems.
- 2) In our model species compete for resources with different abilities.
- 3) Our model is able to reproduce patterns observed in real ecosystems.
- 4) We found that the species-area relationship follows two scaling regimes.
- 5) We have verified a unimodal relationship between species richness and spatial heterogeneity.

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