

**Title:** Modeling Allee Effect from Beta(p, 2) Densities

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**Source:** Proceedings of the ITI2012 34<sup>TH</sup> International Conference on Information Technology Interfaces (ITI) **Book Series:** ITI **Pages:** 461-466 **DOI:** 10.2498/iti.2012.0420 **Published:** 2012

**Conference:** 34th International Conference on Information Technology Interfaces (ITI) **Location:** Cavtat, Croatia **Date:** Jun 25-28, 2012

**Sponsor(s):** Univ Zagreb, Univ Comp Ctr; Croatian Acad Sci & Arts; IEEE Reg 8; IEEE Croatia Sect; IEEE Croatia Comp Chapter; Republ Croatia, Minist Sci Educ & sports

**Document Type:** Proceedings Paper

**Language:** English

**Abstract:** In this work we develop and investigate generalized populational growth models, adjusted from Beta(p, 2) densities, with Allee effect. The use of a positive parameter leads the presented generalization, which yields some more flexible models with variable extinction rates. An Allee limit is incorporated so that the models under study have strong Allee effect.

**Author Keywords:** Beta(p, 2) densities; Growth models; Allee effect

**KeyWords Plus:** Extinction

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**Publisher:** IEEE

**Publisher Address:** 345 E 47<sup>TH</sup> ST, New York, NY 10017 USA

**ISSN:** 1330-1012

**ISBN:** 978-953-7138-24-0

**Citation:** ROCHA, J. Leonel; ALEIXO, Sandra - Modeling Allee Effect from Beta(p, 2) Densities. Proceedings of the ITI2012 34<sup>TH</sup> International Conference on Information Technology Interfaces (ITI). ISSN 1330-1012. ISBN 978-953-7138-24-0. (2013), p. 461-466.