



Specialsue

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Advances in the Mathematics of Ecological Modelling

Guest Editors: Message from the Guest Editors Prof. Dr. Dmitrii O. Logofet Current practices of ecological modelling often motivate new mathematical problems to be posed, and many Dr. Larisa Khanina excellent mathematical topics have roots in ecological problems. Dr. Pavel Grabarnik We initiate this Special Issue aiming to sample the current state-of-the-art in the mathematics of ecological modelling. Manuscripts are welcome that are devoted to Deadline for manuscript submissions: the following topics (but not limited to these): closed (30 April 2024) Population and community dynamics; Biodiversity assessment: Inference from ecological data; Interacting agents system; Matrix population models; Migrations and stability in metapopulations; Stability and bifurcations in multispecies systems; complexity Stability vs in randomly structured communities: Vegetation successions; Environmental stochasticity; Biogeochemical cycles in ecosystems; Species distribution models; Pattern formation: Spatial patterns and processes; Uncertainties in model calibration; Rational-/integer-valued formalisms.



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Message from the Editor-in-Chief

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