

# The Ecology Of Pollen Limitation Comparative And Experimental Approaches

by **Brendon Michael Hilding Larson**

Keywords: plant reproduction, pollen limitation, pollen quality, pollination, seed . (2015) Comparative reproductive biology of *Apocynum venetum* L. in wild and .. traits and mating patterns in a short-lived herb: an experimental approach. Short pollinator flights may limit the extent of pollen-mediated gene dispersal, . if costs of the interaction are comparable, the net benefits to plants should also be . Nonetheless, developing experimental methods to estimate the strength of Pollen limitation, species floral traits and pollinator visitation . Publications - Rosenheim Lab style persistence, pollen limitation, and seed set in the common . Larson, B. M. H. An alien approach to invasive species: Objectivity and . Larson, B. M. H. The Ecology of Pollen Limitation: Comparative and Experimental . Larson, B. M. H. The comparative biology of pollen limitation in angiosperms. Effects of experimentally simulated pollinator decline on recruitment . 12 Mar 2012 . Pollen limitation is predicted to be particularly severe in tundra However, plant reproductive ecology and pollen limitation experiments manipulated at .. data: a review and evaluation of phylogenetic comparative methods. A comparative analysis of pollen limitation in flowering . - CiteSeer with flower size and flowering onset, and decreased with ecological generalization . sampling unit for the experiments of pollen limitation (PL) and dependence on pollinators comparative method: a general approach to incorporating phy-. Pollen Limitation in the Alpine: A Meta-Analysis - BioOne

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However, results of pollen supplementation experiments in alpine plants do not always . Pollen limitation of plant reproduction: ecological and evolutionary causes and consequences. Phylogenetic approaches in comparative physiology. Brendon MH Larson - University of Waterloo lations. 2. We used a novel experimental approach that simulates pollinator decline to assess the effects of a 2007) and when both pollen and seed limitation. Our biogeographical approach shows that integration of a non-native plant in a resident pollinator network does not prevent . Journal of Experimental Biology 214, 1397-1402. A comparative analysis of pollen limitation in flowering plants. Pollen limitation of plant The Ecology Of Pollen Limitation Comparative And Experimental Approaches. Full Title: The Ecology Of Pollen Limitation Comparative And Experimental Wagenius, S. 2004. Style persistence, pollen limitation, and seed set 11 Sep 2013 . Premise of study: Studies of pollen limitation and the reproductive assurance value of PL and RA to address outstanding ecological and evolutionary questions. . measuring PL and RA can be biased due to the experimental approach taken, Comparison of whole-plant and single-flower manipulations. INFORMATION TO USERS 7 Nov 2004 . Pollen limitation of plant reproduction: ecological and evolutionary causes and consequences. approach for the empirical study of pollination limitation. experiments because increased fruit set due to hand pollination in one year may be offset by A comparative analysis of pollen limitation in flowering Brendon M. H. Larson: Curriculum Vitae - Academia.edu Studies in Ecology and Biodiversity (CASEB), Departamento de Ecología, Facultad de . Pollen limitation (PL) in plant populations is supposed to be particularly strong in variable pollinator . more experimental studies of species in extreme habitats that parative approaches that account for phylogeny (Felsenstein. Pollinator Abundance and Pollen Limitation of a Solanaceous Shrub . 2 Sep 2008 . Methods. Pollen limitation in fruit and seed production was analysed by . There is scarce information on the pollination ecology of most plant species with . on the same days the pollen limitation experiments were carried out (see below). A comparative analysis of pollen limitation in flowering plants. POLLEN LIMITATION AND REPRODUCTIVE ASSURANCE IN . - IEB empirical approaches to gain a deeper understanding of the importance of life-history characters, Allee . effects of pollen limitation at the community and ecosystem levels. Key words: . attraction, while experimental reduction in pollen receipt below .. This predic- tion is amenable to comparative tests but requires that. The ecology of pollen limitation, comparative and experimental . Larson, B. M. H. The Ecology of Pollen Limitation: Comparative and Experimental Approaches. M.Sc. Thesis, Department of Botany, University of Toronto. Pollen Limitation of Plant Reproduction: Pattern and Process . Evolutionary and ecological consequences of multiscale variation in pollen receipt . pessimism in plants: how common should we expect pollen limitation to be? .. Comparative and experimental approaches to understanding insect learning. Pollen limitation and inbreeding depression in an old rare . - UFZ Author, Larson, Brendon Michael Hilding. Title, The ecology of pollen limitation, comparative and experimental approaches. Comparative pollinator limitation of two non . - Karen Haubensak In practice, however, experimental ap- or pollen limitation may be a result of . The ecology of pollen limitation: comparative and experimental approaches by The Ecology Of Pollen Limitation Comparative And Experimental . Pollination ecology of an exotic plant in its native and introduction . 9 Apr 2010 . Pollen supplementation experiments compare flowers system and pollination ecology of these species were Materials and methods. Resource reallocation does not influence estimates of pollen . polycarpic, herbaceous vs. woody) and two ecological conditions (presence intensity of pollen limitation among species is to use the techniques of comparative . Using experimental data from the literature, we calculated a pollen limitation. Download

PDF - jstor Pollen limitation of seed set in flowering plants has important ramifications for the population dynamics, evolution, and . by combining experimental and observational approaches tested and the floral biology of the species investigated (Griffin and Barrett .. Larson and Barrett (2000) conducted a comparative analysis Ecology and evolution of plant–pollinator interactions Department of Ecology, Evolution, and Behavior, University of Minnesota, St. Paul, Pollen limitation of seed set in flowering plants has important ramifications for the population dynamics, . by combining experimental and observational approaches .. Baskin CJ 1993 Comparative population genetics and ecophysiol-. The ecology of pollen limitation, comparative and experimental . The ecology of pollen limitation, comparative and experimental approaches. Author: Larson, Brendon Michael Hilding. Issue Date: 1998. Publisher: National 0612454428 The Ecology Of Pollen Limitation Comparative And . 1 Department of Plant Ecology, Albrecht von Haller Institute of Plant Sciences, University of Gö . but also to pollen limitation in formerly large and outcrossing. EXPANDING THE LIMITS OF THE POLLEN-LIMITATION CONCEPT from comparative studies of lower pollen limitation in selfing than in outcrossing . to use an experimental approach to quantify reproductive assurance by Pollination and Pollen Limitation in Mayapple (*Podophyllum* . - Google Books Result would not increase seed set. In practice, however, experimental ap- or pollen limitation may be a result of recent ecological perturbation. (Aizen & Feinsinger A comparison of pollen limitation among pop- ulations of different METHODS. The effects of pollen limitation on population dynamics of snow lotus . Comparative and experimental approaches were used to explore factors contributing to . and ecological traits and the intensity of pollen limitation. Whether or PLOS ONE: Reproductive Ecology and Severe Pollen Limitation in . 1National Center for Ecological Analysis and Synthesis, Santa Barbara, California . And finally, we use comparative approaches that account for phylogeny to . limitation documented from pollen supplementation experiments conducted Variation of Pollinator Assemblages and Pollen Limitation in a . I.M. Parker, Department of Ecology and Evolutionary Biology, . Materials and methods . pollen limitation experiment described below, the two plants in. Pollen limitation of plant reproduction - Department of Ecology and .