

Graduate School Functional Ecology

Kenmerk: W013/02/ce/bvr

Onderwerp: **Jaarverslag 2001**

1. Werkgroep leider
Prof. Dr. J.A.J. Metz

2. Namen leden vaste staf (WP)
Dr. P. Haccou
Drs. E. Meelis

3. Namen postdocs met aanduiding aanstellingsdatum en financieringsbron
Dr F. Galis, 1 november 1997, UL
Dr T. Van Dooren, 1 september 2000, EU

4. Namen promovendi
Drs. J.B. Beltman
Drs. M. Durinx
Ir. M. Dutmer
Drs F. Jacobs,
Drs Y. Robbers
Drs. C. Rueffler

5. Namen technische staf (OBP)
E. van Ast, secretaresse
H. Groenhuijzen, secretaresse

6. Gerealiseerde promoties: naam provendus en titel proefschrift
-

7. Publicatielijst: alleen artikelen die in 2001 zijn gepubliceerd: niet “in press”, “submitted”, etc.

Diekmann, O., M. Gyllenberg, H. Huang, M. Kirkilionis, **J.A.J. Metz**, H.R. Thieme. On the formulation and analysis of general deterministic structured population models: II. Nonlinear theory. *J. Math. Biol.* Volume 43 Issue 2 (2001): 157-189.

Chiorino, G., **J.A.J. Metz**, D. Tomasoni and P. Ubezio. Desynchronization Rate in Cell Populations: Mathematical Modeling and Experimental Data. *J. Theor. Biol.* 208 (2001): 185-199.

Galis, F. Key Innovations and Radiations. pp. 581-605. In: G. Wagner (Ed). *The Character Concept in Evolutionary Biology.* Academic Press, London. (2001)

Galis, F. Digit identity and digit number: indirect support for the descent of birds from theropod dinosaurs. *Trends in Ecology and Evolution* 16 (1) 2001: 16.

Galis, F. Digit homology of birds and dinosaurs: accommodating the cladogram. *Trends in Ecology and Evolution* 16 (6) 2001: 286.

Galis, F. 2001. Evolutionary history of vertebrate appendicular muscle. *BioEssays* 23(5): 383-387.

Galis, F. and R.A. Jenner. The evolution of individuality and conflict mediation. *TREE: Vol. 16* (2001) (10): 541.

Galis, F. and **J.A.J. Metz.** Testing the vulnerability of the phylotypic stage: on modularity and evolutionary conservation. *Journal of Experimental Zoology (Mol. Dev. Evol.)* 291 (2001): 195-204

Galis, F., J.J.M. van Alphen and **J.A.J. Metz.** Why five fingers? Evolutionary Constraints on Digit Numbers. *Trends in Ecology and Evolution* 16 (11) (2001): 637-646.

Gyllenberg, M. and **J.A.J. Metz.** On Fitness in Structured Metapopulations. *J. Math. Biol.* 43 (2001): 545-560.

Hoeven, N. van der. Estimating the 5-percentile of the species sensitivity distributions without any assumptions about the distribution. *Ecotoxicology* 10 (2001): 25-34.

Metz, J.A.J. and M. Gyllenberg. How should we define fitness in structured metapopulation models? Including an application to the calculation of evolutionarily stable dispersal strategies. *Proc. R. Soc. London B* 268 (2001): 499-508.

Monteiro, A. V. French, G. Smit, .M. Brakefield and **J.A.J. Metz**. Butterfly eyespot patterns: evidence for specification by a morphogen diffusion gradient. *Acta Biotheoretica* 49 (2001): 77-88

Van Dooren, Tom J. M. Reaction norms with bifurcations shaped by evolution. *Proc. R. Soc. Lond. B.* 268 (2001):279-287.

Vanhooydonck, B., R. Van Damme, **T.J.M. Van Dooren** and Dirk Bauwens. Proximate Causes of Intraspecific Variation in Locomotor Performance in the Lizard *Gallotia galloti*. *Physiological and Biochemical Zoology* 76(6) (2001): 937-945.