

# Author's Accepted Manuscript

Delimitation of the embryonic thermosensitive period for sex determination using an embryo growth model reveals a potential bias for sex ratio prediction in turtles

Marc Girondot, Jonathan Monsinjon, Jean-Michel Guillon



PII: S0306-4565(17)30392-3  
DOI: <https://doi.org/10.1016/j.jtherbio.2018.02.006>  
Reference: TB2058

To appear in: *Journal of Thermal Biology*

Received date: 25 September 2017  
Revised date: 8 February 2018  
Accepted date: 8 February 2018

Cite this article as: Marc Girondot, Jonathan Monsinjon and Jean-Michel Guillon, Delimitation of the embryonic thermosensitive period for sex determination using an embryo growth model reveals a potential bias for sex ratio prediction in turtles, *Journal of Thermal Biology*, <https://doi.org/10.1016/j.jtherbio.2018.02.006>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Delimitation of the embryonic thermosensitive period for sex determination using an embryo growth model reveals a potential bias for sex ratio prediction in turtles**

Marc Girondot, Jonathan Monsinjon, Jean-Michel Guillon

Ecologie, Systématique, Evolution, Univ. Paris-Sud, CNRS, AgroParisTech, Université Paris-Saclay, 91400 Orsay, France.

marc.girondot@u-psud.fr

jonathan.monsinjon@u-psud.fr

jean-michel.guillon@u-psud.fr

Corresponding author: Marc Girondot

**Abstract**

The sexual phenotype of the gonad is dependent on incubation temperature in many turtles, all crocodylians, and some lepidosaurians. At hatching, identification of sexual phenotype is impossible without sacrificing the neonates. For this reason, a general method to infer sexual phenotype from incubation temperatures is needed. Temperature influences sex determination during a specific period of the embryonic development, starting when the gonad begins to form. At constant incubation temperatures, this thermosensitive period for sex determination (TSP) is located at the middle third of incubation duration (MTID).

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات