

## Influence de la température sur la différentiation sexuelle des gonades chez la tortue luth (*Dermochelys coriacea*); etude en incubation artificielle et naturelle



Sexual differentiation of the marine leatherback turtle is sensitive to temperature. Incubation of eggs below 29 degree C results in 100% males, whereas incubation above 30 degree C results in 100% potential females at hatching. Therefore, the threshold temperature lies between 29 and 30 degree C as has been found for other marine turtles (*Caretta caretta*, *Chelonia mydas*). Among hatchlings from natural nests in French Guiana, 10% were males, 20% were potential females and 70% had an intermediate phenotype. The sand temperature at 60 cm of depth, near one nest, was recorded and was found to vary between 29 and 30 degree C during the presumed thermosensitive period. These results will be useful to marine turtle hatcheries which seek to manipulate sex ratios among their neonates.

**Auteurs du document :** Rimblot, F, Fretey, J, Lescure, J, Pieau, C

**Obtenir le document :** Actes de colloques. Ifremer. Brest [ACTES COLLOQ. IFREMER.]. 1985

**Mots clés :** *Dermochelys coriacea*, *Chelonia mydas*, Reptilia, Hatcheries, Natural populations, Incubation, Turtle culture, Eggs, Temperature effects, Sexual dimorphism

**Thème (issu du Text Mining) :** SCIENCES EXACTES SCIENCES HUMAINES, AMENAGEMENTS DES EAUX, INFORMATION - INFORMATIQUE

**Date :** 1983-12

**Format :** text/xml

**Langue :** Inconnu

**Droits d'utilisation :** info:eu-repo/semantics/openAccess, restricted use

**Télécharger les documents :** <https://archimer.ifremer.fr/doc/1983/acte-1241.pdf>

<https://archimer.ifremer.fr/doc/00000/1241/>

**Permalien :** <https://www.documentation.eauetbiodiversite.fr/notice/influence-de-la-temperature-sur-la-differentiation-sexuelle-des-gonades-chez-la-tortue-luth-dermoche0>