

CAPTIVE BREEDING OF THREATENED ORNAMENTAL FISH SPECIES OF MANIPUR, INDIA

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ABSTRACT : *Pethia manipurensis*, categorized as endangered and *Devario acuticephalus* and *Pethia khugae*, both as vulnerable have been collected from the wild and successfully induced to breed by using WOVA-FH, a synthetic gonadotropin releasing hormone analogue (SGnRH). Injection @ 0.3 ml kg⁻¹, 0.5 ml kg⁻¹ and 0.5 ml kg⁻¹ were effective in case of *Pethia manipurensis*, *Pethia khugae* and *Devario acuticephalus* respectively. Crude Pituitary Extract injection @ 0.5 ml kg⁻¹ was also effective in these three threatened species.

Key words : *Captive breeding, Ornamental fish species.*