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Exopalaemon styliferus

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Exopalaemon styliferus

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(1 × 1) (1 × 1)
1 (1 × 1)

Exopalaemon styliferus :

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$$v = \frac{4}{3} \pi r_1 (r_2)^2$$

Exopalaemon styliferus
Palaemonidae

(Fischer and Bianchi, 1984)

Salman and Bishop,)

(Zare et al., 2010) (1990

$$\log y = \log(a) + b \log x$$

b a

X Y

/ /
/ /)
((

() Leung
/ / / (Leung, 1994)

(Leung, 1994)

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() palaemonid
(Kim et al., 2008)

(/ × /) (/ × /)
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Bilgin and)

Oh and Hartnoll,)

(Samsun, 2006

log) (2004

$$r^2 = \frac{\log y - a}{b \log x}$$

$$r^2 = \frac{\log y - a}{b \log x}$$

log) (

$$r^2 = \frac{\log y - a}{b \log x}$$

(Bilgin and Samsun, 2006)

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"Short Communication"

Study on the Reproduction Characteristics of *Exopalaemon styliferus* (H. Milne Edwards, 1840) in Downstream Bahmanshir River, Abadan, Iran

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Abstract

This study was conducted to investigate some aspects of the reproductive system of *Exopalaemon styliferus* (H. Milne Edwards, 1840) population in downstream Bahmanshir River during summer, 2008. A total of 472 specimens collected from sampling site?? stations, males and females comprised 55.4% and 43.6%, respectively (14.4% ovigerous female and 30.1% non-ovigerous females). The minimum size of males with appendix masculina was 2.69 cm body length and 0.4 g body weight and in females with eggs was 4.06 cm-BL and 1.54 g-W. The mean, minimum and maximum fecundity were 914, 242 and 1755, respectively. Reproductive output (RO) of *E. styliferus* varied 8-21% (13% on average) of female wet weight. Mean egg size (shortest × longest axis) at early and late embryonic development stages was (0.67 × 0.86) and (0.72 × 0.97) mm, respectively. The relationship between fecundity with body length (BL) and weight (W) was positive allometric and with carapace length (CL) was isometric.

Keywords: *Exopalaemon styliferus*, Bahmanshir River, Reproductive system.

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