**Revised 30 October 2023**

**MANUSCRIPT MODEL FOR JCB SUBMISSIONS**

**Please carefully read the following instructions. Failure to do so will slow down the editing and eventual publication of your manuscript.**

No text or line above “running head” other than page numbers, which must be inserted on the top right of each page.

EXAMPLE:

Running head: MIYAJIMA & WADA: Life histories and sexual dimorphism in varunid crabs

**Relationships between life history traits and sexual dimorphisms in two varunid crabs, *Hemigrapsus takanoi* Asakura & Watanabe, 2005 and *H*. *sinensis* Rathbun, 1931 (Decapoda: Brachyura)** [font size 16]

Aya Miyajima1,2 and Keiji Wada2,3 [font size 14]

[font size 12 for the rest of the manuscript]

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**Abstract**

Differences in life histories and mating systems can influence the strength of …

* USE Times New Roman FONT AND DOUBLE SPACE THROUGOUT
* ALIGN LEFT
* NO EXTRA SPACE BETWEEN PARAGRAPHS OR BETWEEN SECTION TITLES AND THE NEXT PARAGRAPH IN THAT SECTION
* ONLY ONE SPACE BETWEEN SENTENCES OR BETWEEN WORDS
* Authors are free to choose between US and UK spelling (see “Instructions to Authors,” but please set Word’s speller to US English (if corresponding author is from the Western Hemisphere, Japan, China) or UK English (if from Europe, Australia, New Zealand, India, South Africa and anglophone Africa). You can of course set speller to Australian, Singaporean, etc. English.

**Key Words**: breeding cycle, Crustacea, inter-species comparison, …

Introduction

Animal species vary in the degree of morphometric differentiation between males and females. This variation among taxa is likely a result of differences in the strength of sexual selection…

Operational sex ratios (OSRs), the ratio of sexually receptive males to sexually receptive

females are generally biased toward males (Duffy & Thiel, 2007; Duffy *et al.,* 2010) …

MATERIALS AND METHODS

Sampling

We collected …

 [Second paragraph INDENTED]

Statistical analysis

RESULTS

DISCUSSION

SUPPLEMENTARY MATERIAL

S1 Table. xxxxx

S2 Figure. xxxxx

ACKNOWLEDGEMENTS

Do not forget to thank the anonymous reviewers!

REFERENCES

**IMPORTANT: NEVER, NEVER USE CODING FOR REFERENCES, INCLUDING REFERENCE CALLS IN THE BODY OF THE TEXT!! You can use coding, but it must be disable before uploading the manuscript file. Coding complicated editing by Editor-in-Chief.**

[BEWARE: ONLINE LIST OF REFERENCES AND SIMILAR FILES/SITES [such as ResearchGate and Google Scholar] OFTEN CONTAIN ERRORS: PLEASE CHECK THE **ORIGINAL LISTING IN THE CORRESPONDING JOURNAL,** PDF OR PRINTED ISSUE BY SEARCHING THEM USING GOOGLE]

YOU MUST USE THE ACCENTS AND OTHER DIACRITICAL MARKS AS THEY APPEAR **IN THE ORIGINAL**

PLEASE NOTICE THAT WE DON’T USE “et al.” as part of the authority of a taxon, but the actual reference PUBLICATION must be placed in brackets:

“In the description of the isopod *Anilocra grandmaae* Aneesh, Hadfield, Smit & Kumar, 2021 [Aneesh *et al*., 2021]…”

Style of references (see specific examples in “Instruction to authors”):

Edn. 2 [not “second edition”]

Series x, Série x [NOT IN ITALICS: NOT PART OF THE OFFICIAL NAME OF PUBLICATION].

 … [in Chinese].

* Doi number ONLY for online-only publications, otherwise use page numbers:

Glon, M.G., Broe, M.B., Crandall, K.A., Daly, M., Kong, S., Thoma, R.F. & Freudenstein, J.V. 2022. Anchored hybrid enrichment resolves the phylogeny of *Lacunicambarus* Hobbs, 1969 (Decapoda: Astacidea: Cambaridae). *Journal of Crustacean Biology*, **42**: [https://doi.org/10.1093/jcbiol/ruab073].

**Order of authors in *et al.* references:**

Schmidt, K. & Atkinson, A. 2016. Feeding and food processing in Antarctic krill (*Euphausia superba* Dana). In: *Biology and Ecology of Antarctic Krill* (V. Siegel, ed.), pp 175–224. Springer, Switzerland. [**one or two authors take preference**]

Schmidt, K., Atkinson, A., Petzke, K., Voss, M. & Pond, D. 2014. Protozoans as a food source for Antarctic krill, *Euphausia superba*: Complementary insights from stomach content, fatty acids, and stable isotopes. *Limnology and Oceanography,* **51**: 2409–2427.

Schmidt, K., Atkinson, A., Pond, D. W. & Ireland, L. C. 2006. Feeding and overwintering of Antarctic krill across its major habitats: The role of sea ice cover, water depth, and phytoplankton abundance. *Limnology and Oceanography,* **59**: 17–36.

[**alphabetical order of second author, not chronological order**]

“Bertness, 1981b; Hazlett, 1981; Laidre, 2011” – order of citations follow chronological order, but use alphabetical order only when the dates are the same

* **You must use “hanging margin” for references (in Word: go to “Paragraph,” then “Indentation” and scroll to select “Hanging”**

**List of captions** (please carefully follow the following example, paying attention to the placement of abbreviations, semi-colons, and commas):

**Figure 1**.Secondary sexual characters of *Thysanoessa macrura* . Ventral view of a fully developed thelycum with pigment spots visible throughout the coxal plates (CP) (**A**). Petasma of a reproductive male on the first pleopod (**B**). AL, auxillary lobe; IL, inner lobe; LP, lateral process; ML, middle lobe; PP, proximal process; SL, setiferous lobe; TP, terminal process. Scale bars: **A** = 20µm …

**Tables** – must be uploaded as separate files. Insert caption at the top of the table. **[Table 1.** The …]

**RESEARCH NOTES manuscripts**: same as above except that the body of the text below abstract and key words will NOT be divided into “Introduction,” “Materials and Methods,” etc.

**AUTHORITIES (AND CORRESPONDING REFERENCES) (needed for all genera and genera + species (binomials) of all organisms cited** **(but reference to be added to the list of references for crustaceans only)** – Use WoRMS (World Register of Marine Species [http://www.marinespecies.org/] and/or Marine Species Identification Portal [http://species-identification.org/index.php?groep=Crustaceans&selectie=6&hoofdgroepen\_pad=%2C1%2C6]. You can also google the taxon and very often you will find articles that provide the information.

**USEFUL HINTS IN THE USE OF *JCB* STYLE:**

Fig. 8, Fig**s**. 8–10, but Fig. 8A, B [singular “Fig.”]

*N* = 5 (*N* in *italics*;space before and after *=*)

*P* > 0.5 (capital *P* in *italics*; space before and after *>*), *df* (italics)

Chi-square test or χ2

t test

15–20 mm; 15 to 20 days or 15–20 d (en-dashes, not hyphens); five years or 5 yr

15%, 15 °C [space before degree symbol]

“10 min” or “ten minutes”

–15 °C, 8 km–day (**minus symbol**, not hyphen in both cases)

M instead of mol

“×” instead of “x”, as in “5 × 6 cm”

“l” instead of “L” for liters (5 l, 10 ml)

e.g., i.e., [not in italics and followed by comma]

1500 h [not 15:00 or 3 pm]

* Never start a sentence with “However”: ~~However, t~~The distance covered, however, was…

OR (better) The distance covered was nevertheless …

* Do not start sentences with “In addition, we …” but write “We also …” The same with starting sentences with “Thus, …” and “Therefore, …”
* “shrimp,” “crayfish,” when referring to one species; “shrimps,” “crayfishes,” when more than one species.

Insert name of manufacturer first time an instrument or chemical is mentioned (google the manufacturer for the information): “…Nikon SMZ800 (Nikon, Tokyo, Japan); Zeiss Discovery V12 stereomicroscope (Carl Zeiss, Oberkochen, Germany); Trizol Reagent (Invitrogen, Carlsbad, CA, USA) [abbreviate state or Canadian/Australian states]

Examples (Google name of manufacturer if not below):

Applied Biosystems, Foster City, CA, USA

Canon, Tokyo, Japan

Hitachi, Tokyo, Japan

Invitrogen, Carlsbad, CA, USA

Leica Biosystems, Wetzlar, Germany

Life Technologies, Carlsbad, CA, USA

Nikon, Tokyo, Japan

Olympus, Tokyo, Japan

Promega, Madison, WI, USA

Qiagen, Hilden, Germany

Sigma-Aldrich, St. Louis, MO, USA

Takara Bio, Kasatsu, Japan

Thermo Fisher Scientific, Waltham, MA, USA

Wild, Heerbrugg, Switzerland

Carl Zeiss, Oberkochen, Germany

**IMPORTANT:** “organisms” implies plants, prokaryotes, and animals so when dealing with crustaceans DO NOT USE “organisms”: use “animals,” “crustaceans,” “invertebrates,” or “individuals” depending on the context.

**Please direct any questions you might have to the Editor-in-Chief: Peter Castro [jcb@cpp.edu]**