# Manuscript Title

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## ABSTRACT

Abstract should be limited to up to 300 words and it should give a complete understanding of the manuscript, including the main objective(s) or hypothesis/hypotheses, summarized methods, key results and final or concluding remarks. Do not use subheadings in the abstract body (such as "objective" or "results"). Do not cite references.

**Keywords**: Keyword1, keyword 2, keyword 3 (Limit to 5 keywords representing the main content of the article).

## USING THIS TEMPLATE

This LATEX template is a general guideline of the complete Instructions for Authors of the Ocean and Coastal Research (OCR) journal. The manuscript sections below are given for Original Articles. Other manuscript formats such as Review Articles may have a more flexible structure. In the case of Brief Communications, all

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19  sections below should appear in sequence, without subsections and subsubsections. For details, please

20  refer to our webpage (Instruction for Authors) or contact the editorial office at ocr_journal@usp.br.

21  **Please note that whilst this template provides a preview of the typeset manuscript for submission,**

22  **it will not necessarily be exactly the final publication layout.**

## 23  INTRODUCTION

24  The introduction should be concise and place the manuscript in broader context. The text should present

25  the current state of the knowledge in the topic related to the research, sharing the baseline information and

26  citing key and relevant publications. The introduction should outline the significance and purpose of the work

27  and clearly describe specific hypotheses being tested, in the last paragraph(s). Authors are free to describe

28  their objective(s) as one or more hypothesis to be tested, or as a question to be answered, or even as an

29  interesting/important environmental feature/phenomenon to be described.

30  The Introduction must be straight to the point, and preferably without subheadings. Authors should keep

31  in mind that the introduction must be comprehensible to scientists from other research areas unrelated to the

32  topic of the manuscript. Lines should be numbered in the document, starting from the first paragraph of the

33  Introduction, as shown in this template.

## 34  METHODS

35  This section should be described with sufficient detail to allow others to replicate and build on published

36  results. New methods and protocols should be described in detail while well-established methods can be

37  briefly described and appropriately cited. We strongly recommend that authors reference the study/survey in

38  time and space, if applicable. Authors should describe the main characteristics of the surveyed area and/or

39  the experimental design. The description of data analyses is strongly recommended. The name and version

40  of any relevant software or computer code relevant to the study should be cited or made available. Include

41  any pre-registration codes. Research permits should be placed in this section whenever necessary.

## 42  RESULTS

43  This section must address the main results gathered from the sampling procedures, survey design and/or

44  experimental work described in the Methods section.

### 45  Subheadings

46  Authors are free to use specific subheadings to better share the most important results that support or reject

47  their research hypothesis or that better describe the oceanographic features being treated in the manuscript.

48   The information in the Results section should follow the same logical presentation provided in the Methods

49   section. Tables and figures can be used to summarize or illustrate the results. Additional data (large tables,

50   extra figures, images, videos, etc.) can be shared as Supplementary Material in case the manuscript is

51   accepted. Please correctly identify such material upon submission.

52   You can use \section{...}, \subsection{...} commands to add more sections and subsections to

53   your manuscript. Further sectional levels are provided by \subsubsection, \paragraph and \subparagraph.

## EQUATIONS

55   Equations are one of the main points of using LaTeX. Here are some nonsense examples:

56   Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with

57   $\mathsf{E}[X_i] = \mu$ and $\mathsf{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n}\sum_{i}^{n} X_i \tag{1}$$

59   denote their mean. Then as $n$ approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution

60   to a normal $\mathcal{N}(0, \sigma^2)$.

$$S_n = \quad \frac{X_1+X_2+\cdots+X_n}{n}\; \frac{X_1+X_2+\cdots+X_n}{n}\; \frac{X_1+X_2+\cdots+X_n}{n}$$

$$\frac{X_1+X_2+\cdots+X_n}{n}\; \frac{X_1+X_2+\cdots+X_n}{n}\; \frac{X_1+X_2+\cdots+X_n}{n}$$

$$\frac{X_1+X_2+\cdots+X_n}{n} \tag{2}$$

64   Here, have some more math:

$$\vec{\nabla} \int_0^\infty \vec{P_i} \underbrace{(\kappa, \sigma, \varsigma, \zeta)}_{\text{true dimens.}} dt = \oint_0^\infty e^{-\frac{2\pi}{\lambda}} \vec{\nabla} \left( \frac{\partial^2 \psi}{\partial t^2} \right) dr_\perp$$

66   This last unnumbered formula has nothing to do with Formula 1 by Reynaud LeBron.

## PREPARING FIGURES AND TABLES

68   Figures and graphics at a sufficiently high resolution (minimum 1000 pixels width/height, or a resolution of

69   300 dpi) can be uploaded in a proper field in the submission platform. Make sure figures have sufficient pixel

70   definition before submission. Common formats are accepted; however, PNG, JPEG and EPS are preferred.

71   Authors are encouraged to prepare figures in color (RGB at 8-bits per channel).

72   The text within the figures and graphics must be in a font size large enough to be perfectly legible even

73   after a figure is reduced to fit the journal's page format. Ocean and Coastal Research can publish multimedia
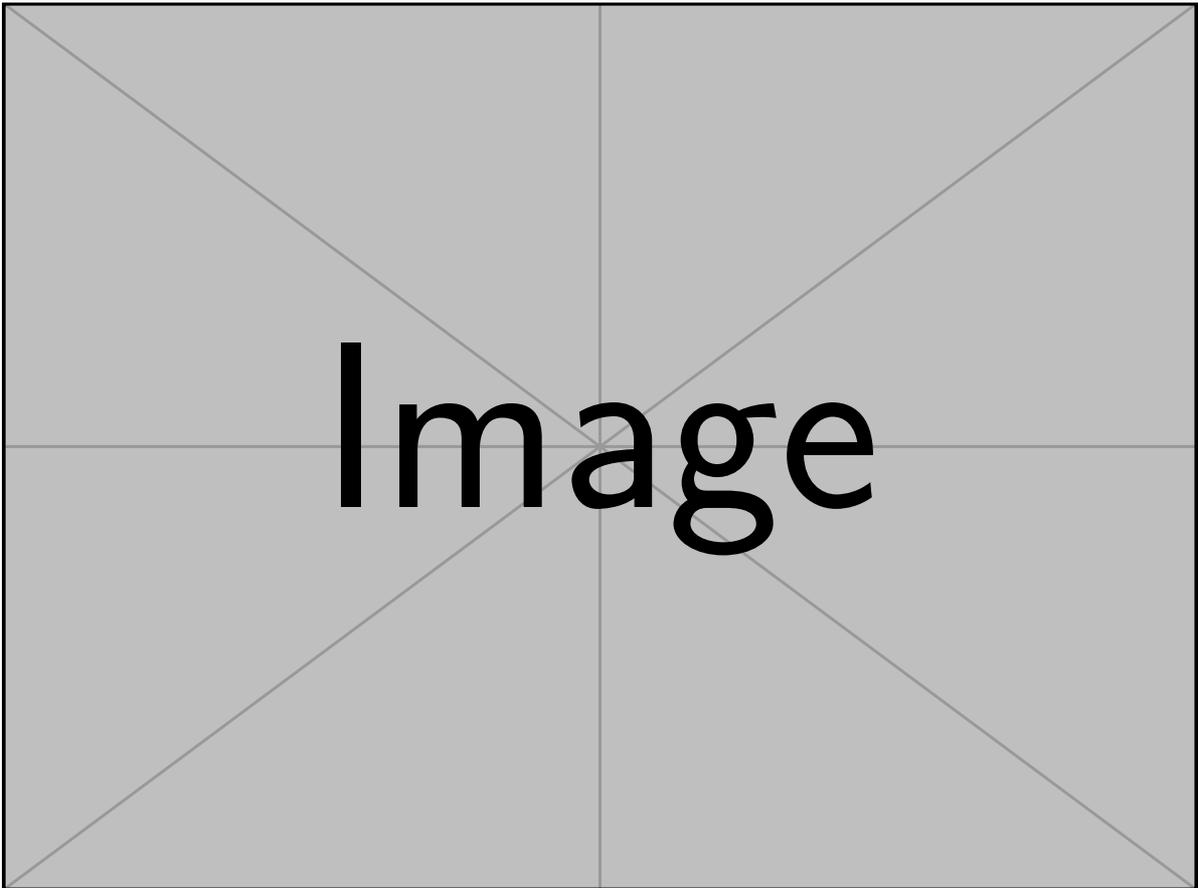
**Figure 1.** An example figure

74  files in articles or as supplementary materials. Please contact the editorial office for further information.

75      All Figures and Tables should have a self-explanatory caption. All table columns should have an explana-

76  tory heading. Further direction on Figures and Tables are detailed below .

77      In LaTeX, figures and tables can be added with the usual `figure` and `table` environments, e.g.: Figure

78  1 and Table 1. Use `figure*` and `table*` if you need a two-column wide figure or table, as in Figure 3 and

79  Table 2. **We do not recommend**, but you can force a figure or table to appear at a specific text location with

80  `figurehere` and `tablehere` as in this example (see Figure 2).
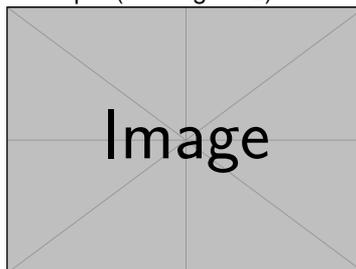


81

**Table 1.** An example table.

| Item | Quantity | Notes |
|------|----------|-------|
| Widgets | 42 | Over-supplied[*] |
| Gadgets | 13 | Under-supplied |

This is a table note.
[*] Another note.

**Figure 2.** An example figurehere.

# DISCUSSION

The Discussion must start with a statement of main findings, preferably in one sentence, without repeating the results.

The authors must then indicate the strengths and weaknesses of their results, in perspective with other studies, and address the meaning of their findings without entering into speculative or circular reasoning. Unanswered questions and future research directions may also be mentioned.

Quote tables and figures only when it is essential to draw the reader's attention to one or more important results.

## Subheadings

Authors are free to use specific and useful subheadings according to their manuscript requirements to better discuss the results.

# CONCLUSION

This section is not mandatory but can be added to stress the main findings and future directions of the research, usually within one or two paragraphs. This section must have a strong link to the main objectives, questions or hypotheses. Avoid sentences such as "in conclusion ..." or "in summary...". Use the section to highlight the value of your research and position your findings within a large context.

# ACKNOWLEDGMENTS

## 102 AUTHOR CONTRIBUTION

103 **Ocean and Coastal Research** follows the **CRediT** criteria for authorship role designation. All co-authors

104 must have at least (1) actively participated in the discussion of results, and (2) reviewed and approved the

105 final version of the manuscript. Please select the role(s) for each author as expressed on the CRediT website

106 at https://casrai.org/credit/ and inform them in this section, using author initials, followed by the respective

107 role(s). For example:

108 **F.L.**   : Conceptualization; Investigation; Writing – original draft; Writing – review & editing;

109 **S.L.**   : Methodology; Software; Formal Analysis; Investigation; Writing – review & editing;

110 **T.N.**   : Data Curation; Software; Writing initial draft.

111 **F.N.**   : Supervision; Resources; Project Administration; Funding Acquisition; Writing – review & editing.

### 112 CITATIONS AND REFERENCES

113 Ocean and Coastal Research follows the Harvard style of literature referencing. For speeding up the

114 reviewing and the publishing processes, we strongly suggest the authors to use the 'Ocean and Coastal

115 Research' BiBTEX style (`ocr.bst`) available for download.

116 It is the responsibility of the authors to double check the list of references and their quotations in the main

117 text. Preparing the references using appropriate software will assist in avoiding typing mistakes, duplicated

118 references and formatting issues. Citations and References in Supplementary files are permitted provided

119 that they also appear in the main text and in the reference list. Citations in the main text must include the

120 author's names and year of publication, following the 'Ocean and Coastal Research' style. References to

121 thesis, dissertations and reports are allowed as long as a valid and active URL pointing to the full text is

122 included, along with the date of access.

123 Use the `\cite` command for parenthetical citations, and `\citeasnoun` command for text citations (when

124 using `alpha-refs`). This is a citation: (Fan & Peng 2004) and here are two more (Cox 1972, Heard et al. 2006).

125 This is a citation: (Fan & Peng 2004) and here is another one: Heard et al. (2006). The resulting bibliography

126 is as follows (and in the real case should be moved to the endo of the `.tex` file:

## 127 LATEX-SPECIFIC EXAMPLES

128 This is a quote, if you ever want to use one.

129 • This is a bullet list.

130 • Another point.

131 • A third point.
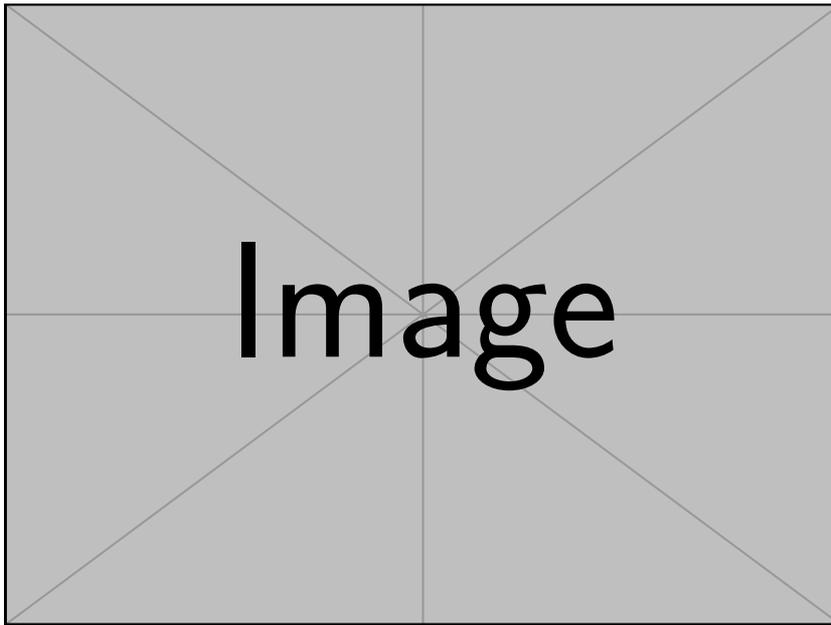
**Figure 3.** An example of a wide figure.

132     i.  This is a numbered list.

133    ii.  Another point.

134   iii.  A third point.

135    This[1] is a footnote.

## THIS IS A 2ND LEVEL HEADING
136

### This is a 3rd level heading
137

138  Use \subsubsection to get a 3rd level heading.

139  *This is a 4th level heading.* Use \paragraph to get a 4th level heading.

140  THIS IS A 5TH LEVEL HEADING. Use \subparagraph to get a 5th level heading.

## REFERENCES
141

142  COX, D. R. 1972. Regression models and life tables (with Discussion), *J. R. Statist. Soc.* B 34, 187–220.

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[1]This is the footnote text.

**Table 2.** Example of a wide table with notes. Automobile land speed records (GR 5-10)

| Speed (mph) | Driver | Car | Engine | Date | Extra comments |
|---|---|---|---|---|---|
| 407.447 | Craig Breedlove | Spirit of America | GE J47 | 8/5/63 | (Just to demo a full-width table with auto-wrapping long lines) |
| 413.199 | Tom Green | Wingfoot Express | WE J46 | 10/2/64 | |
| 434.22 | Art Arfons | Green Monster | GE J79 | 10/5/64 | |
| 468.719 | Craig Breedlove | Spirit of America | GE J79 | 10/13/64 | |
| 526.277 | Craig Breedlove | Spirit of America | GE J79 | 10/15/65 | |
| 536.712 | Art Arfons | Green Monster | GE J79 | 10/27/65 | |
| 555.127 | Craig Breedlove | Spirit of America, Sonic 1 | GE J79 | 11/2/65 | |
| 576.553 | Art Arfons | Green Monster | GE J79 | 11/7/65 | |
| 600.601 | Craig Breedlove | Spirit of America, Sonic 1 | GE J79 | 11/15/65 | |
| 622.407 | Gary Gabelich | Blue Flame | Rocket | 10/23/70 | |
| 633.468 | Richard Noble | Thrust 2 | RR RG 146 | 10/4/83 | |
| 763.035 | Andy Green | Thrust SSC | RR Spey | 10/15/97 | |

Source is from this website: https://www.sedl.org/afterschool/toolkits/science/pdf/ast_sci_data_tables_sample.pdf

143   FAN, J. & PENG, H. 2004. Nonconcave penalized likelihood with a diverging number of parameters, *Ann.*
144        *Statist.* 32, 928–61.

145   HEARD, N. A., HOLMES, C. C. & STEPHENS, D. A. 2006. A quantitative study of gene regulation involved
146        in the immune response of Anopheline mosquitoes: An application of Bayesian hierarchical clustering of
147        curves, *J. Am. Statist. Assoc.* 101, 18–29.