INSTRUCTIONS FOR AUTHORS

The Journal of Marine and Coastal Sciences is an annual scientific journal published by the Master’s Program in Marine and Coastal Sciences (School of Biological Sciences, Universidad Nacional, Costa Rica), including:

- Scientific articles (original and unpublished)
- Scientific notes (short communications) and
- Literature reviews

The Editorial Committee requires authors to follow these instructions:

A. General format

Language: English or Spanish, abstract in both languages.
Fonts:
- Heads of sections: Times New Roman 14 pts.
- Text: Times New Roman 12 pts.
- Titles of figures and tables, name of authors and keywords: Times New Roman 11 pts.
- Abstract and resumen: Times New Roman 10 pts.
Text: Double-spaced; indent paragraphs 5 spaces, except for resumen and abstract.
Maximum length: Scientific articles: 25 pages maximum including figures and tables. Longer articles will only be accepted upon justification submitted to the Editorial Committee.
Scientific notes: 6 pages maximum.
Reviews: 25 pages maximum.
Margins:
- Top: 3 cm
- Bottom: 2.5 cm
- Left: 3 cm
- Right: 2.5 cm
Abbreviations shall be used according to the International Unit System (m, km, g, mg, %, PSU, °C). Use period for decimals instead of comma. Do not include footnotes or appendices. Additional material may be included only if indispensable.

**B. General structure for a scientific paper**

- It can be considered works with data of more than 5 years of antiquity, **EXCEPT VERY JUSTIFIED CASES**
- **Title of the article:** Centered, bold, both in English and in Spanish, capital letters, 14 pts. Leave a single space between the title and the authors.
- **Author(s):** Times New Roman 11pts. Write first and last names in italics, justify text and indicate institutional affiliation (use superscript numbers), place of work or physical address, e-mail and **ORCID identifier.** Include affiliation of all authors; mark corresponding author with an asterisk. Leave a single space between the author(s) and the abstract.

- Titles of sections must be aligned to the left, in capital letters and in bold (INTRODUCTION, MATERIALS AND METHODS, RESULTS, DISCUSSION, CONCLUSION, ACKNOWLEDGEMENTS AND BIBLIOGRAPHY). Use a single space before the text. Do not leave spaces between paragraphs of the same section.

- **Abstract:** Each article will be preceded by the abstracts in English and Spanish, each one not exceeding 250 words.

- **Keywords:** Each abstract will be followed by keywords (five words max.) representing the article content.

- **Introduction:** The purpose of the article and the research problem reasoning shall be explained here. Specific information on the background of the study and the state of the art shall be included as well.

- **Materials and methods:** The methodology used and all the necessary information to repeat the work shall be included here. The reasons regarding selected methods may also be explained in this section.

- **Results:** Results will be presented in a text format. Data may be included in tables and figures (when required). Tables and figures shall be consecutively numbered and identified with titles according to the content (in English and Spanish); do not use bold; use accent marks over small as well as capital letters in Spanish. All data sources shall
be cited and included in the text. Do not include information or illustrations unrelated to the text.

**Titles of tables:** Double-spaced; avoid vertical lines and use horizontal lines only to separate information fields (headings, sub-headings, independent spaces in the middle or at the bottom such as subtotals). Titles must be in the upper section of the table, in small letters and in bold.

**Titles of figures:** Double-spaced; Title must be at the bottom of the figure, in small letters and in bold.

Tables and figures should be reduced as appropriate (no more than 60%); the elements in the tables and figures should have the appropriate size for easy reading. Choose the appropriate font size and line-width to keep the letters clear and visible even after a reduction. Reduced fonts shall not be less than 8 pts. Drawings and/or photographs may be included in the manuscript: photographs will be published by the journal in black and white at no cost; in any other case, the author will cover the costs.

**Image formatting:** Figures and tables must be prepared carefully to avoid any delays in the manuscript editing and the diagramming process. Regardless of the application used, when images or tables are included electronically, save or convert them using the following formats:

- **EPS:** Vector drawings. Insert the source reference or safe the text as graphics.
- **TIFF:** Color or grayscale photographs, always use 300 dpi minimum.
- **TIFF:** For bitmap images, use 1000 dpi minimum.
- **TIFF:** For combinations of bitmap/half tone (color or grayscale) use 500 dpi minimum.
- **DOC, XLS or PPT:** Indicate if images or tables were created in Microsoft Office®.

Tables and figures shall be submitted separately.

- **Discussion:** The author will discuss the most relevant results, using pertinent and updated references. Only one Results and Discussion section is allowed.

- **Conclusions:** All conclusions shall be based on the data presented and discussed. Conclusions shall strictly agree with the purpose of the article. If the article is a synthesis of findings, proposals may be included in this section, at the author’s discretion.

- **Acknowledgements:** This section must reflect an authentic appreciation to the research collaborators.
• **Bibliography:** Bibliographic references shall follow the guidelines of the American Psychological Association (APA), available at the Journal’s Website (www.una.ac.cr/revmar).

**Periodicals:** Periodicals are regular publications: journals, newspapers, illustrated bulletins, etc. The format required is as follows:

Author, A. A., Author, E. E. & Author, C. C. (Year of publication). Title of the article. *Title of the scientific journal in italics and correctly abbreviated according to the ISI standards*, Volume (number in parenthesis), initial and final pages separated by a hyphen.


**Non-periodical publications:** Non-periodical publications are those published separately: books, reports, booklets, some monographies, manuals and audiovisual media. Follow this format:


**Book**


**Chapter of a book**


**Conference proceedings**

Web page


Article in an electronic journal


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Thesis


Unpublished communications: Unpublished communications will not be included in the references; they will only be mentioned in the text. Include the name of the person who provides the information, media and date. Ej.: “La coloración de A. similis varía con los periodos de lluvia” (C. Fonseca, personal communication, June 29, 2000).

C. General structure for a scientific note

Apply the same criteria used for the scientific article regarding Title of the article, author(s), abstract and resumen and keywords, except for the number of words in the abstract (70 words max).

- Titles of sections must be on the left margin (INTRODUCTION, MATERIALS AND METHODS, RESULTS, DISCUSSION, ACKNOWLEDGEMENTS AND BIBLIOGRAPHY). The titles of sections shall be in capital letters and in bold. Leave a space to start the text. Do not leave spaces between paragraphs of the same section.
• **Introduction:** Explain, clearly and concisely, the problem to be resolved and the objective with a theoretical base. The text should be continuous, not leaving spaces between paragraphs.

• **Tables and figures:** Same format as the scientific articles.

• **Acknowledgements:** This section will be included as the last paragraph, with no heading. "Official" names should not be translated.

• **Bibliography:** Same format as the scientific articles.

**D. General structure for a literature review**

This type of article includes literature reviews of a specific field of study related to the theme of the Journal. Authors may review the most relevant exponents, their main ideas and contributions, as well as conduct analyses and make comments based on sustained objective statements.

• Elements of a literature review article
  
  • Title (in English and Spanish).
  • Affiliation.
  • Keywords (in English and Spanish).
  • Abstract (in English and Spanish). Include the following in this section:
    • Objective of the study.
    • Topic addressed and its significance.
    • Periods or stages of the bibliographic information consulted in the analysis.
    • Main criteria for analyzing the bibliographic information consulted.
    • Main findings and conclusions.
    • Main applications, implications and recommendations.
    • Necessary information that would help the reader quickly identify the basic content of the paper and its relevance. The paper is semantically self-sufficient.
  • Introduction: Establishes the objective or problem that motivated the review and includes the paper’s organization criteria.
  • Development: Specifies the bibliographic analysis
  • Conclusions or discussions and pending matters.
E. Manuscript stages

1. Receiving date

The publication of the **REVMAR** is published continued periodicity from the year 2016, in a volume with the publication of the first issue from 01 January to 30 June, closed on 30 June, and the second from 01 July to 31 December, closed on 31 December.

2. Delivery

The first version of the manuscript can be sent in digital form, together with the attached **statement of originality and copyright transfer agreement** duly completed and signed by all the authors, to the following emails: revmar@una.cr or revcienmarycos@gmail.com. It can alternatively be sent by postal mail to the following addresses:

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<th>M. Sc. Luis Villalobos Chacón</th>
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12. The author(s) agree(s) that the submitted paper be adjusted, with their collaboration, by the Journal editing team to the “Instructions to Authors” previously established and published in the Journal’s official website (http://www.revistas.una.ac.cr/index.php/revmar); in terms of procedures, formatting, proofreading, editing, publication, duration of the editorial process and other requirements called for in those instructions.

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14. According to Law No. 8968, Personal Data Protection Law, the AUTHOR agrees to provide the
The articles accepted by the *Journal of Marine and Coastal Sciences* become property of the Journal; the author and production rights are respected. The original manuscripts will not be returned.

3. **Arbitration**

**Peer Review Process**

**Editorial Review**

The Journal has an Editorial Board and a body of national and international reviewers, both internal and external to the School of Biological Sciences. When an article is received from a specific author, it is sent to an Editor, who decides initially if the topic is relevant to the journal and if the article meets the minimum requirements (that it is novel, current and complies with the format) to be reviewed, for this it has a period of one week.

**After this process is continued with:**

**Peer review**

After the editor's review, the editor decides to send an invitation along with the abstract to a minimum of three reviewers, after the acceptance of the abstract, the article is sent in its entirety and an evaluation form in which they can indicate their opinion on it (Format for evaluators). For this they will have a period of three weeks in which their verdict complies with one of the following notifications:

"Approved without modifications" (Accept submission as is).
"Approved but must be corrected" (Publishable with modifications; in its current form it..."}

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cannot be published; the publisher must coordinate with the author the necessary changes). "Forward for review" (Manuscript requires major changes. The editor must forward the corrected manuscript to the reviewers for a new round of review. "Not Approved" (Reject submission, as is).

These individuals are selected for their experience, professionalism, and specialty in the subjects they are sent to review. They are people who have developed research in the area and who have credibility in the ethical handling of information. It is important to emphasize that once the reviewer receives the article to evaluate, if he or she considers that there are causes to abstain from reviewing it (family ties, conflicts of interest, he or she knew the article before), he or she will inform the editor.

**Anonymous double-blind peer review**

The reviewers will not know the data of the person to whom the article belongs, nor vice versa, this process called double-blind is carried out in order to increase objectivity in the evaluation.

Once the first verdict has been received, the author has a period of two weeks to return the article with the corrections, after which a period of two weeks will be granted to inform the final acceptance or rejection for publication. The Editorial Committee will be responsible for deciding whether or not the article is accepted for publication. In case of discrepancies between the Editorial Committee and the reviewers, the Editorial Committee of the Journal will make the decision.

Subsequently, it is passed to Spanish and English philology, plus or minus three weeks, it is continued with the diagramming of one week and finally the galley tests will be sent with a maximum time of one week. If the times are strictly adhered to, for each of the parts, it could then be expected that from the date of receipt of the manuscript, more or less in four months, the article will be published.

From Vol. 8 No. 2 year 2016 will include abstract and keywords of each article accepted in the Portuguese language.

The criteria on which it will be decided if the article is accepted or not, are:

1. The subject matter is according to the magazine.

2. The manuscript makes a valuable contribution to knowledge.
3. It generates useful information to give solution to a problem.

4. It has not previously been published in another journal.

5. It is an original work or meta-analysis.

6. The methodology and design of the study are solid and in accordance with the problem in question.

7. The results are presented objectively.

8. Conclusions are well founded.

9. It has order, coherence and good wording.

4. Galley proof and reprints

After the manuscript has been proofread, edited and accepted, the author will receive a final galley proof in PDF by email before the publication of the article. The authors will be responsible for the final review, making the minimum necessary changes and correcting any existing printing mistakes. The authors should return the galley proof within a maximum period of one week from the date it was received. The delay in returning the galley proof may result in the publication of the article without the author’s corrections.

EVALUACIÓN DE LAS CONCENTRACIONES DE **ESCHERICHIA COLI** EN **CRASSOSTREA GIGAS**…

EVALUATION OF **ESCHERICHIA COLI** CONCENTRATIONS IN **CRASSOSTREA GIGAS**…

*Author(s):* Luis A. Vega Corrales, Carolina Marín Vindas

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<th>in Spanish and English. Centered, in bold, in capital letters, Times New Roman 14, double space.</th>
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Costa Rica no cuenta con referencias sobre la calidad sanitaria de las zonas de cultivo de *Crassostrea gigas* y esto puede representar un riesgo para la salud pública...

**Palabras claves:** Contaminación marina, maricultura, *Escherichia coli*, *Crassostrea gigas*, Costa Rica.

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**ABSTRACT**

Costa Rica does not have references on health quality of harvesting zones of *Crassostrea gigas*, which can pose a potential public health risk...

**Keywords:** Marine pollution, mariculture, *Escherichia coli*, *Crassostrea gigas*, Costa Rica.

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**INTRODUCCIÓN**

Los ecosistemas marinos son vulnerables a la contaminación antropogénica. Según Halpern *et al*. (2008), no existen zonas marino costeras que no estén impactadas por la influencia humana…

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...Estudios recientes han demostrado que las concentraciones de *E. coli* en las zonas de cultivo de moluscos bivalvos dependen, entre muchos otros factores, de las condiciones climatológicas y estacionales del área (Peterson, 1960; CITES, 2011; Campos et al. 2013; Derolez et al. 2013; Lee & Silk, 2013; Mignani et al. 2013; Revmar et al. 2013b; CITES, 2011; Campos et al. 2013).

Se evaluó la contaminación por *E. coli* en las zonas de cultivo de ostras de Punta Cuchillo (9°49’ 48” N y 84°52’ 48” O) y de Punta Morales (10°4’ 04” N y 84°58’ 37” O), ubicadas en el Golfo de Nicoya, Costa Rica (Fig. 1).

Para la fase presuntiva se inoculó cada serie de cinco tubos de Lauryl Tryptose Broth (BD®) con 10, 1 y 0.1 mL de la muestra de agua... Para las muestras de ostras se homogeneizaron en 225 mL de Buffered Peptone Water (BD®). A partir de esta mezcla se prepararon las diluciones 1:100 y 1:1 000. De cada dilución se inocularon 5 tubos de Lauryl Tryptose Broth.

BIBLIOGRAFÍA

Use "&".


CUADROS Y FIGURAS

Tables should be numbered consecutively.

Tables and figures must be properly reduced (up to 60%) and their components must be properly sized to allow easy reading; the size of the font and the thickness of the lines should be properly visible and clear when reduced. The font already reduced should not be smaller than 8. The manuscript may include drawings and/or photographs; in the case of photographs, the journal will avoid vertical lines. Use horizontal lines only when they separate fields of information (headlines, subheadings, lower fields).

Cuadro 1. Criterios de clasificación de zonas de producción de moluscos bivalvos con base en muestras de agua

Table 1. Shellfish harvesting zones classification criteria based in seawater samples

<table>
<thead>
<tr>
<th>Category of classification</th>
<th>Faecal coliforms (MPN 100 mL⁻¹)</th>
<th>Treatment required</th>
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Title of table: in Spanish and English. It should be placed at the top of the table, in lower case and not in bold. Times New Roman 11, double space, justified.

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Fig. 3. Precipitación diaria (mm) y salinidad (UPS) y temperatura (°C) mensual registradas de julio de 2011 a junio de 2012 en las zonas de cultivo de *Crassostrea gigas* de Punta.
Cuchillo y de Punta Morales, Golfo de Nicoya, Costa Rica. Se representan la estación seca, la estación lluviosa y los meses de transición establecidos para la zona de estudio por el Instituto Meteorológico de Costa Rica. Fuente precipitación: Instituto Meteorológico Nacional de Costa Rica

Fig. 3. Daily precipitation (mm) and salinity (PSU) and temperature (°C) registered monthly from July 2011 to June 2012 in the *Crassostrea gigas* harvesting zones of Punta Cuchillo and Punta Morales, Gulf of Nicoya, Costa Rica. It represented dry season, rainy season and the transition months established for the study zone by the Meteorological Institute of Costa Rica. Precipitation source: Meteorological Institute of Costa Rica

**Title of figure:** in Spanish and English. It should be placed at the bottom of the figure, in lower case and not in bold. Times New Roman 11, double space, justified.