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*CASE STUDY*

### **Title of the article (Calibri 14pt, centered, bold, except scientific names. For studies on plants include Family, for studies on animals (Order: Family). Must be concise, easy to understand, and strictly related to what is presented in the article (15 words maximum).**

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**Example:**

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| **ABSTRACT.** Calibri, 9pt, justified. The text will include the main objectives of the research, scope, methodology employed, main results and conclusions. The abstract must be clear, coherent and concise, for which it is suggested to review and verify data, syntax, spelling, do not include equations, figures, tables, or bibliographic references. It must accurately reflect the content of the article. It must be written in first person. It should be only one paragraph of 100-250 words.  **Example:**  **ABSTRACT. Introduction:** The coral reefs of the Costa Rican South Pacific are disappearing due to anthropogenic pollution and sedimentation. **Objective:** To develop a coral nursery and establish its viability for local restoration of scleractinian corals. **Methods:** Between December 2014 and May 2016 we kept a coral nursery in the middle of the water column in Punta Encanto, Golfo Dulce. The structure had fragments of *Porites lobata, Psammocora stellata* and *Pavona varians* oncement “cookies”. **Results:** Phosphate concentration and high salinity adversely affected the growth of all the species, but the fragments of *P. stellata* produced acceptable results. **Conclusion:** coral gardening is feasible for ecological restoration in the South Pacific of Costa Rica.  **Keywords:** Calibri, 9pt, left aligned, lowercase and separated by commas, must include 5-7 words that describe the topic and that are not in the title, nor in the abstract. | **RESUMEN.** Include the title of the article in Spanish in between quotation marks “”. Follow the same structure, format and length as the abstract. It helps to identify the main topics or aspects of the article and is important for indexing in bibliographic databases.  **Ejemplo:**  **RESUMEN.** “Jardinería para la restauración coralina en el Golfo Dulce, Costa Rica: una prueba práctica”. **Introducción:** Los corales del Golfo Dulce del Pacífico Sur de Costa Rica están desapareciendo debido a la contaminación y sedimentación por origen antrópico. **Objetivo:** Desarrollar una guardería de corales en Punta Encanto con el fin de establecer su viabilidad y replicarlo en otras partes del Pacífico costarricense, el estudio se realizó entre diciembre del 2014 y mayo del 2016. **Metodología:** Construimos una estructura de jardinería que colocamos a media columna de agua, utilizamos fragmentos de oportunidad de las especies de coral *Porites lobata*, *Psammocora stellata* y *Pavona varians* que colocamos en galletas de cemento y de esta forma realizamos una medición de su crecimiento en cm3 y tomamos además muestras de agua para su análisis físico químico**. Resultados:** Determinamos que la especie *P. stellata* fue la de mostró mejor crecimiento, la menor concentración de nutrientes tuvo lugar a media columna de agua, los silicatos fueron los más abundantes en todo el periodo del estudio. En general, podemos decir que los niveles concentración en nutrientes son normales respecto a los reportados en otros estudios similares. La alta concentración salina y de fosfato afectó negativamente el crecimiento en todas las especies evaluadas. **Conclusión:** El estudio demostró la factibilidad de realizar jardinerías de coral en el Golfo Dulce como una técnica de restauración ecológica.  **Palabras clave:** Calibri, 9pt, left aligned, lowercase and separated by commas, must include 5-7 words in Spanish that describe the topic and that are not in the title, nor in the abstract. |

The content of the article uses Calibri, 11, justified, each paragraph indented in the first line. Use a maximum of 4 000 words.

Title your sections **INTRODUCTION** (which closes with the objective), **MATERIALS AND METHODS**, **RESULTS** and **DISCUSSION**. These subtitles are written in uppercase, bold and do not end with any punctuation. Do not include a Conclusions section, these are written very briefly as the final paragraph of the discussion. Remember to follow the citation guidelines of APA 7 within the text and in the **REFERENCES** section.

Make a clear statement of the problem, based on the relevant literature; specifically indicate the place; duration of study; sample size; methods and results; in the discussion compare your results with those already published in the literature (if your results are unexpected, analyze possible causes), and close with a concluding paragraph. In addition, you can include figures and photographs to illustrate your study.

**MATERIALS AND METHODS**

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This section should be thoroughly enough and provide details to allow the work to be repeated by others. However, only truly new procedures should be described in detail, previously published procedures should be cited, and important modifications to previously published procedures should be briefly mentioned.

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**DISCUSSION**

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The discussion should analyze the results in relation to the hypotheses formulated in the introduction and the location of the study in the context of other publications or research. The main objective of a case study is to give concrete recommendations to solve the problem or problems that originated the study.

**ACKNOWLEDGMENTS**

In this part of the article the author acknowledges the people or institutions that helped him or her during the research. Scholarships and institutions that finance the research are cited.

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**ETHICS, CONFLICT OF INTEREST, AND FUNDING STATEMENT**

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The statement of each author’s contribution to the manuscript is as follows: J.G.A.R. and M.C.C.: Study design, data collection and analysis. V.P.M.: Data collection. All co-authors: preparation and final approval of the manuscript.

**REFERENCES**

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Author, A., Author, B. & Author, C. (2019). *Title of Article. Periodical Title*, *Volume*(Issue), page range. https://doi.org/xx.xxxxxxxxxx.

**Note:** In Periodical Title and Volume use *italic type*.

Horn, S. P., Johanson, E. N., Haberyan, K. A., Boehm, M. S., Johanson, J. L., Sánchez P., M., & Hernández V., M. (2018). Initial limnological observations at five small lakes in southern Pacific Costa Rica. *UNED Research Journal*, *10*(1), 119-134. https://doi.org/10.22458/urj.v10i1.2015

**Book**

Author(s) Last name, Name initials. (Year). *Title of book*. Publication City: Publisher.

Sapolsky, R. M. (2017). *Behave: The biology of humans at our best and worst*. Penguin Books.

**Chapter in an edited book**

Author, A. (Year). Title of Chapter. In E.E. Editor (Ed.), *Title of Book* (xx ed., Vol. xx, pp. xxx–xxx). Publisher.

Dillard, J. P. (2020). Currents in the study of persuasion. In M.B. Oliver, A.A. Raney, & J. Bryant (Eds.), *Media effects: Advances in theory and research* (4th ed., pp. 115-129). Routledge.

**Dissertation or Thesis References**

Author, A. (Year). *Title of Dissertation* [Doctoral dissertation, Name of Institution Awarding the Degree]. Database Name.

Zambrano-Vázquez, L. (2016). *The interaction of state and trait worry on response monitoring in those with worry and obsessive-compulsive symptoms* [Doctoral dissertation, University of Arizona]. UA Campus Repository. <https://repository.arizona.edu/handle/10150/620615>

**Webpage on a website**

Author, A., Author, B., & Author, C. (Date). *Title of the Website*. Webpage name. https://url.com

Center for Systems Science and Engineering. (2020). *COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University*. Johns Hopkins University. <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

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Photographs can be inserted at the end of the word document or if the files are very large, these can be sent in separate files; in both cases they must be in JPG, ai, psd or TIFF format, at a minimum resolution of 300 dpi (high resolution, you can confirm this by enlarging the image to full screen and should look sharp, not pixelated). Figures will be reduced to a width of 6-12 cm so please ensure the labels will be easy to read, even after this reduction.



Figure 1.Shell color pattern of Drymaeus tripictus. A and B have some white or translucids dots on body whorl similar to Drymaeus irazuensis. Mating was performed between the following color patterns: A with B., B. with C.

Figures

Figures must be in color. The title of the figure must be centered and have a period at the end.

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Figure 1. Satisfaction of the experience survey.

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