A GUIDE FOR ARTICLE PUBLICATION

Mission: The mission of Revista Ciencia e Ingeniería Neogranadina is spreading out original technical and scientific articles of high-status made by professional international and national academic community members as a result of the research projects, technological developments or simulation initiatives in every science and engineering areas, as well as revision and update articles, or other works that contribute to the knowledge and development of the nation.

Vision: The vision of Revista Ciencia e Ingeniería Neogranadina intends to become a publication expanding the borders of the Universidad Militar Nueva Granada, and having recognition at national and international level as far as technical and scientific quality of its articles.

Goals: The main goals of Revista Ciencia e Ingeniería Neogranadina:

a. To disclose inside and outside of the University the results of the scientific production of educators & researchers, both graduated and under graduated students from science and engineering areas.

b. To generate a knowledge community and strength the Science & Engineering Faculty with the contributions in the scientific production.

c. To fulfill the quality and scientific requirements to obtain the greatest classification level in Colombian scientific and technological serial publications during the subsequent years.

Target Audience: Revista Ciencia e Ingeniería Neogranadina is focused to professionals, researchers, teachers, students, related companies, leaders, and all those people who are interested in updating their technological knowledge based on the results from the research projects, advancements or simulation ideas in every science and engineering area.

Index: It is registered in Índice Bibliográfico Nacional Publindex (IBN) of Colciencias in category C; appears in Latindex (Mexico) portal that works at Latin America, Caribbean, Spain and Portugal. Also in documentary database of Dialnet of the Universidad La Rioja (Spain) and indexed in the scientific magazines network of Latin America, Caribbean, Spain and Portugal (Redalyc). Ulrich`s Periodicals Directory (E.U.); Fuente Académica - EBSCO Publishing (México).

Coverage: The Publishing Committee accepts manuscripts dealing with the following areas of the knowledge: Mathematics, Chemistry, Physics, Statistics Applied to Sciences and Engineering. Subjects related to all the areas of engineering are suitable, especially those ones related to microelectronics, micro-fluidics, synthesis, and processing of advanced materials and application of novel experimental and computer techniques in the engineering field. Also articles describing applications of engineering which contribute to solve critical problems of the nation. The articles that could be publishable must be coherent based on the classification approved by Colciencias:

1) Article of Scientific and Technological Research: A detailed document that displays original results of the research projects.

2) Article of Reflection: A document that displays research results from an analytical, interpretative or critical perspective of the thematic author on a specific one resorting to original sources.

3) Article of Revision: A document resulting from a research where the results —published or not—of researches are analyzed, systematized and integrated on any science or technology in order to
show development advances and tendencies. It is characterized to display at least a careful bibliographical revision of 50 references.

4) **Short Article**: A brief document that displays preliminary or partial but original results from a scientific or technological research that requires a quick diffusion.

### 1. PRESENTATION OF THE MANUSCRIPT

Manuscripts must be typed in a single column, but not exceeding 20 pages in letter size (21.5cm x 25 cm), written in Word under Windows, 12-point Arial letter, a single space, 3cm left margin and 2.5cm for the three remaining ones. Graphs, tables and photographs must be strictly in black and white (or gray scale). They must be written up in third person. Articles that had been published or are going to be published in some other event or magazine should not be sent. Also it is necessary to consider the following aspects:

- Main titles must be bold, centered, using capital letters and first nomenclature with Arabic numbers, e.g. 1. MATERIALS AND METHODS.
- Subtitles must be bold, in the left margin, using capital letters and second level nomenclature with Arabic numbers, e.g. 1.1. USED MATERIALS.
- Sections within subtitles must be bold, in the left margin, using starting capital letter and third level nomenclature with Arabic numbers, e.g. 1.1.1. Proportion of the mixtures. 4th level nomenclature will not be used, otherwise bullets will be used. It is recommended to write transition paragraphs among next-to-next titles.
- Equations should be written with equations publisher, centered and consecutively numbered between parentheses (1).
- Symbols of constants, variables and functions as well as Latin or Greek letters, including in the equations, must be in *italics*.
- All the figures and tables should be listed in the text. Serial numbering of the figures and their description as well as the source should be below the Figure; 10-point Arial letter. See example:
- Numeration and description of the tables should be first, whereas the source is placed below the table in the left margin; 10-point Arial letter.
- The units, dimensions and symbols of the international system (SI) should be used. Files of the figures should be enclosed in format.jpg.

### 2. ORGANIZATION OF THE MANUSCRIPT

Every article should fulfill the following contents: preliminary parts, body of the manuscript and a final part:

#### 2.1. PRELIMINARY PARTS

Consist of the following order: title, author's data, abstract in English and Spanish, including the key words in English and Spanish.

**Title**: Should be bold and centered, using capital letters, and written in English and Spanish, concise (maximum 15 words) indicating clearly the nature of the subject. Avoid data, formulas, abbreviations and symbols.

**Author's Data**: There shouldn't be more than six (6) signatory authors, and they must appear one after the other, centered (10-point Arial letter) and in sequence of importance according to their contribution in the research. Names must be separated by a comma, followed by both last names. Below the professional title, postgraduate title (if any), position that carries out at the moment, organization/entity where he/she works, city, country, and electronic mail (10-point Arial letter).
Analytical Summary (250 words max): Should be written in English and Spanish. The titles RESUMEN and ABSTRACT must be bold and centered using capital letters. This text must be interrelated with the title and the contents. The objective of the research project will be indicated, describing the methodology, the more important results and the relevant conclusions. Should be written up in third person, avoiding data, formulas, abbreviations, symbols, and references to figures that appear in the text.

Key words. They should be in English Spanish to the left margin. The titles Palabras Clave: and Key words: should be bold using capital letters and small letters. These words indicate to the reader the subjects that article addresses, so facilitates the bibliographical search in the information bases. Three words are required as a minimum.

2.2. BODY OF THE MANUSCRIPT.

Consists of the following order: introduction, materials and methods, results and discussion, and conclusions.

INTRODUCTION. This title is not numbered: It is bold and centered using capital letters. Includes the following aspects: background of the subject or problem, presentation of the subject or problem, a brief justification, and fundamental concepts.

MATERIALS AND METHODS. This title is identified with Arabic numbers; bold, centered and capital letters. Here indicates the method, equipment and material used in the work. Techniques or methodologies applied for the accomplishment of the work will be described.

RESULTS AND ANALYSIS. This title is in Arabic numbers, bold and centered until a third level, using capital letters. The most important results will be clearly, orderly and precisely exposed. Pictures, tables, drawings, photographs and schemes supporting the explanation of the writing may be included in the text. The information of the pictures and figures shouldn’t be repeated in the text. In the analysis the validity of the results should be briefly explained and commented, comparing with works published on the same subject in order to facilitate its understanding and assimilation.

CONCLUSIONS. This title is in Arabic numbers, bold and centered using capital letters. These conclusions should be based on planned objectives.

2.3. FINAL PARTS

Consists of the following order: acknowledgments (optional) and bibliographical references.

ACKNOWLEDGMENTS (optional): This title should be centered and bold, using capital letters but no numeration. After the conclusions the recognitions for people, institutions, projects, funds, research scholarships, etc. that supported the development of the research should be included.

BIBLIOGRAPHICAL REFERENCES: This title should be centered and bold using capital letters but no numeration. References mentioned within the text must be using the number from the list of the bibliographical reference but the author is not mentioned. The bibliographical references will be in order in which they are mentioned within the text and they should be numbered in brackets, taking into account the following indications:

a) Books of Corporative Authors: Name of the institution or organism. Year. Title. City: Publisher. See example:

b) **Books**: Authors [last names with the first capital letter (comma), initial of the name (dot)]; if several authors, they are separated with semicolon, and before the last one is separated with word and (y), followed by year of publication between parentheses; then title in *italics*, publishing place, Publisher, and reference pages. See example:


c) **Thesis and Degree Projects**: Author’s last name(s) and name(s), title, subtitle, edition, city, year, number of pages or number of volumes, degree project (if required), (Academic Title). Institution, Faculty, Department or Area. See example:


d) **Articles from any Magazine**: Author’s last name(s), name(s), Publishing Year, title. In: Name of the magazine in *italics*, volume and pages taken from the relevant magazine. See example:


e) **Texts taken from a webpage**: Author’s last name(s), name(s), (last update), title, address of the webpage from where text was taken (URL). See example:


### 3. GENERAL INFORMATION OF THE MANUSCRIPT

The manuscript should be sent to the publisher of the magazine written in Spanish, English or Portuguese. A copy must have the relevant data of author(s), and the second copy does not have to mention these data or acknowledgments, this former is with the purpose to be given at least to two expert referees in the subject, external to the University for its evaluation and approval. The English or Portuguese manuscripts should be sent with a copy in Spanish but author’s data is not included. The authors must suggest as a minimum four pairs with magister or doctorate, outside to the Universidad Militar Nueva Granada, with their full data (names, organization where he/she works, telephone and/or mobile, email), but the publisher reserves the right to select pairs different from the suggested ones by the authors, so they may evaluate the manuscript, and according to their recommendations and suggestions, as well as to the magazine mission and policies, the Publishing Committee decides if an article is accepted or not for its publication. The identity of the referees is known only by the members of the Publishing Committee, and under no circumstances by the authors. The final result of the evaluations is communicated by the publisher to the authors. After the Publishing Committee approves the publication of the article, the authors sign a transfer agreement that must be resent to the Publishing Office of the magazine so the manuscript can be published.

The manuscript must consider the requirements of the author’s guide of the last published number of the magazine and it will be sent at least four months in advance the publication to any of the following e-mails: revistaing@unimilitar.edu.co, revistaneog@gmail.com, or this place: Centro de Investigaciones Facultad de Ingeniería. Universidad Militar Nueva Granada, Carrera 11 Nº 101-80, Bogotá – Colombia. The reception of the article does not imply its publication or the commitment regarding the publication date. The publisher reserves the right to do any publishing modification that considers advisable.