

**La siguiente Editorial ha sido aceptada para ser publicada en el vol. 30, no. 1 de la revista Ciencia e Ingeniería Neogranadina. Esta versión es preliminar y puede contener algunos errores.**

Cómo citar:

Cómo citar: Ballesteros, D. M. (2019). Special Issue in Artificial Intelligence. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4354>

# Editorial

## Special Issue in Artificial Intelligence

Dora Maria Ballesteros<sup>1</sup>,

Cómo citar: Ballesteros, D. M. (2019). Special Issue in Artificial Intelligence. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4354>

Artificial intelligence (AI) is an interdisciplinary subject in science and engineering that makes it possible for machines to learn from data. Artificial Intelligence applications include prediction, recommendation, classification and recognition, object detection, natural language processing, autonomous systems, among others. The topics of the articles in this special issue include deep learning applied to medicine [1, 3], support vector machines applied to ecosystems [2], human-robot interaction [4], clustering in the identification of anomalous patterns in communication networks [5], expert systems for the simulation of natural disaster scenarios [6], real-time algorithms of artificial intelligence [7] and big data analytics for natural disasters [8].

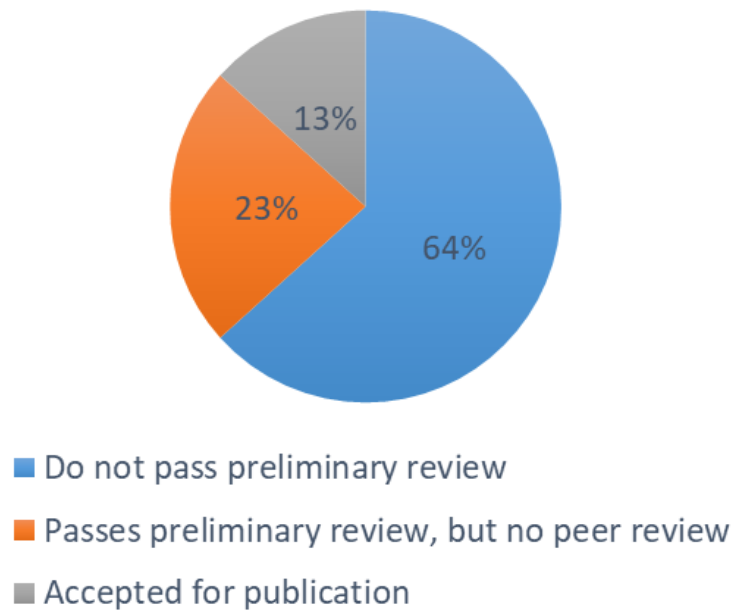


Figure 1. Statistics of Editorial process, journal *Ciencia e Ingeniería Neogranadina*, vol. 30, No. 1.

---

<sup>1</sup> Universidad Militar Nueva Granada. Editor-in-chief journal *Ciencia e Ingeniería Neogranadina*. E-mail: [dora.ballesteros@unimilitar.edu.co](mailto:dora.ballesteros@unimilitar.edu.co). ORCID: <https://orcid.org/0000-0003-3741-2618>

In this special issue the journal received sixty (60) manuscripts from different Colombian universities and research centers. Thirty-eight (38) articles were rejected in the preliminary round because they did not meet some of the following criteria: topic of the article, typology, or anti-plagiarism review. Twenty-two (22) articles passed the pre-review round and were submitted for external review. Eight (8) of these articles were recommended for publication by the reviewers and selected to appear in this special edition. In summary, 36.6% of submitted manuscripts (i.e., 22 out of 60) exceeded the pre-review round, and 13% (i.e. 8 out of 60) were accepted for publication in this special issue. Figure 1 shows the final statistics of the editorial process of this special issue.

We invite readers to include these articles in their state-of-the-art research.

## References

- [1] Perdomo Charry, O. J., & González Osorio, F. A. (2019). A Systematic Review of Deep Learning Methods Applied to Ocular Images. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4242>
- [2] Martin, L. D., Medina, J., & Upegui, E. (2019). Assessment of Image-Texture Improvement Applied to Unmanned Aerial Vehicle Imagery for the Identification of Biotic Stress in Espeletia. Case Study: Moorlands of Chingaza (Colombia). *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.3842>
- [3] Castillo, J. A., Granados, Y. C., & Fajardo Ariza, C. A. (2019). Patient-Specific Detection of Atrial Fibrillation in Segments of ECG Signals using Deep Neural Networks. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4156>
- [4] Muñoz Peña, K., & Bacca Cortes, B. (2019). GUI3DXBot: An Interactive Software Tool for a Tour-Guide Mobile Robot. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.3644>
- [5] Leal Piedrahita, E. A. (2019). Hierarchical Clustering for Anomalous Traffic Conditions Detection in Power Substations. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4236>
- [6] Florez Zuluaga, J. A., Patino Carrasco, E., Ortega Pabon, J. D., Gallego Leon, K., & Quintero Montoya, O. L. (2019). A Data Fusion System for Simulation of Critical Scenarios and Decision-Making. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4131>
- [7] González, E., Villamizar Luna, W. D., & Fajardo Ariza, C. A. (2019). A Hardware Accelerator for the Inference of a Convolutional Neural network. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.4194>
- [8] Martínez Quezada, D. O., Ortiz Sierra, R., Martínez Cano, J. G., & Lamos Díaz, H. (2019). Stakeholders Identification in a Disaster Through Twitter: Study Case SINABUNG 2018. *Ciencia E Ingeniería Neogranadina*, 30(1). <https://doi.org/10.18359/rcin.3938>