Trilogía
CIENCIA TECNOLOGÍA SOCIEDAD

Editorial

Scientific Journals in the Age of Artificial Intelligence: Quality, Creativity, and Responsibility



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In recent years, the rise of generative Artificial Intelligence (AI) has disrupted research and academic publishing practices. Both authors and reviewers now face an unprecedented scenario in which algorithmic tools intervene in text production, literature search, data organization, and increasingly, in the very drafting of manuscripts. This transformation compels scientific journals to reconsider their standards—not to relax them at the expense of quality, but rather to reinforce those principles that give academic activity its meaning.

The central argument of this editorial is clear: the quality of scientific publications need not decline with the use of AI; on the contrary, it can and should improve. Achieving this requires preserving and valuing the human elements that no machine can replace: the creativity that drives the formulation of new questions; the originality that opens unexplored avenues of inquiry; the scientific rigor that ensures the validity of results; the ethical responsibility that guides research decisions; the argumentative clarity that renders findings communicable; and the critical judgment that sustains the evaluation of sources and interpretations.

Like previous cognitive tools—from writing to computational software—AI should be understood as *an operator of possibility* that expands the horizons of action and imagination for intellectual production. For this reason, *Trilogía Ciencia Tecnología Sociedad* is not opposed to its incorporation into research and knowledge-creation processes. Indeed, the journal recognizes AI's potential, provided it is employed in dialogue with researchers' creativity and responsibility.

In this spirit, the journal reaffirms its identity as a publication rooted in the field of social studies of science and technology, from which it has cultivated a reflective and critical gaze on contemporary technoscientific phenomena. Authors such as Broncano (2008), Bijker (1995),

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Latour (2005), and Monterroza (2017) have shown that technologies are not mere neutral instruments but mediations that shape practices, relationships, and meanings. From this perspective, AI should be analyzed not only in terms of efficiency or productivity, but also in its capacity to transform research practices and argumentative creativity.

Trilogía Ciencia Tecnología Sociedad thus reiterates its commitment to publishing work that meets the highest standards of academic quality; fosters critical reflection on science, technology, and society; and strengthens an editorial ecosystem capable of confronting the contingencies of our time.

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