

Presentation

Juan Diego Betancur Arias

How to cite this article in APA: Betancur Arias, J. D. (2022). Presentation. *Ciencia y Acaademia*, (4), pp. 12-16. DOI: 10.21501/2744838X.4256

The journal *Ciencia y Academia* completes its fourth edition. Satisfied to date with this set of issues that have allowed nurturing the editorial project and with the strengthening of practices and developments that contribute to the culture of research, innovation, cultural and social development. This is a mission that the magazine highlights in all its editions.

This last contribution made available to the public, is the evidence of the reflections, research exercises, positions and calls to science (letters to the editor), that different academic actors in training and their teachers who accompany and legitimize these constructions, have courageously decided to participate in the previous editorial process that deserves this disclosure, with the firm conviction that each of the projects presented here will be of great use and contribution to their lives.

The editorial written by one of the students of the doctorate in interdisciplinary studies in psychology at the Catholic University Luis Amigó, Miguel Ángel Albor; makes a reflection that derives from the first experience in the construction of his thesis proposal, focused on emotional education as a strategy that configures one of the edges of educational innovation today.

The fourth edition of *Ciencia y Academia* shares the first formative research products developed in the writing and research skills for beginner's project led by the publication. Enneagrams as a strategy to classify personality Can the Enneagram methodology help a person to know or further develop his or her personality? by Ana María Sáenz Botero. Sexual and reproductive rights in the sights of African women and girls: ablation, by Ana Sofia Ruiz Alcaraz. Influence of Music in the Behaviour of Adolescents by John Steven Marín Gutiérrez.

This program accompanies students from public and private schools in the city of Medellin and the metropolitan area, who voluntarily want to participate in the strengthening of skills and abilities in students and teachers for research. The central purpose of this program is to articulate the processes of initial training to higher education, as one of the strategies to mitigate desertion in higher education,

adaptability in the transition from secondary education to professional education, familiarity with the dynamics of university education, professional qualification through formative research, the overcoming of reading and writing problems in the results of learning in university life, the initial training of researchers, the prospects for the development of young scientists, among other added values that we have been exploring as we approach the schools with the project in question.

In this opportunity we accompanied the Juan María Céspedes Educational Institution, this school meets international certification standards, through the International Baccalaureate program.

In order to get this end, for two years they have been working with a curriculum based on three core subjects: Research, Theory of Knowledge and Monograph. These subjects have allowed students to carry out research processes, question themselves, learn about international writing standards, learn how to search from various digital repositories, among other characteristics that contribute to their school process, but above all the "formation of solidary young people, well informed and eager for knowledge, who contribute to create a better and more peaceful world through mutual understanding and intercultural respect" (International Baccalaureate). Making these works visible allows to create effective bridges between the school and the University as contexts where the human being manages and evolves.

Four reflection articles and seven research articles are part of the issue. Pedagogy and didactics: a path towards "the art of learning" by Juan Diego Velez Puerta. It presents a reflection on pedagogy and didactics. Examining its teachability attribute (the question of what to teach, epistemological reason); and educability (the question of who, the subject).

Pathological jealousy and impulsivity: A current dilemma in couple relationships, is a work of review and reflection led by teachers Yesid Felipe Tapias Medina and César Andrés Carmona Cardona. Together with their students, they analysed pathological jealousy and impulsivity as social/personal phenomena from different approaches and how they influence each other in certain behaviours considered maladaptive, which not only affects the person who suffers from it but also the couple.

Excluded bodies in the contemporary Colombian public school: discourses and practices by Edith Tatiana Urrego Bolívar, final semester undergraduate student in philosophy at the Universidad Católica Luis Amigó. Medellín. The reflection examines segregationist practices and discourses on a body that exceeds physiology and that is constituted by teachers and students as a territory in which underlie ideas that promote an excluding and legitimized order in time, which segregates certain bodily conditions such as skin colour, physiognomy, social orientation, gender, or religious orientation.

COVID-19: from health to the educational concept by José Ricardo Velasco Méndez; this reflection was based on the search for sources that delimit the educational concept and that respond in a critical and reflective manner to the role of the teacher and its political dynamics related to training in times of COVID-19.

Pedagogical strategies implemented around child participation during the Covid-19 pandemic, elaborated by a group of students of the Bachelor's Degree in Preschool Education at the Universidad Católica Luis Amigó, heads the group of research articles in this edition. The following article presents the results of a research project whose purpose was to show the pedagogical strategies implemented by a teacher around child participation during the Covid-19 pandemic and how these strategies contribute to participatory processes of children in different contexts, whether educational or social.

Working memory in patients with ischemic Cerebral Vascular Disease: a systematic review by Káterin Calle García and Professor Daniel Alfredo Landínez Martínez of the Universidad Católica Luis Amigo/ Manizales, make a significant contribution where the central objective of the study was to describe the performance in working memory tasks in patients with Ischemic Cerebral Vascular Disease between 45 and 90 years old, by means of a systematic review. The methodology used the search equation (SE): TOPIC= (working memory) AND TOPIC= (stroke), with a time range between 2013 and 2021 in the Scopus database and to have as a result the Tree of Science. The results identified 3 lines of research related to alterations in the phonological loop, alterations in the central executive and visuospatial agenda and alterations in instrumental activities of daily living.

Energy use of the industrial washing process of the company Relianz CAT by Víctor Orlando Martínez Monsalve and Luis Fernando Cardona Palacio from the Universidad Pontificia Bolivariana seccional Medellín. They report the development of an energy improvement system with the exhaust gases generated from the component washing process of the dismantling workshop of the company Relianz CAT, located in Soledad, Atlántico-Colombia.

The meaning of totalitarianism in the thought of Hannah Arendt by Luis Ernesto Carballo Marín. The purpose of this work was to trace the meaning of the philosophical concept of totalitarianism in the work of the philosopher Hannah Arendt in order to establish whether it is still valid to speak of this concept today and thus identify the linkage of the term with some contemporary issues.

Micro curricular experience on rural education in teacher training. Ontological, epistemological and praxeological aspects. This article presents the way in which rural education has been approached in the curriculum of the undergraduate program in early childhood education at the Universidad Católica Luis Amigó of Medellín and the perspective of teachers and students.

Another aspect that stands out in this edition are the letters to the editor. The purpose of these letters is to make visible the thought, urgency and need for the incursion of some social issues and phenomena into the research agendas. Let this be the space in the journal for professionals with great expertise in the topics of interest of the journal and others, to refer these constructions to keep them in the permanent scientific reflection.

Professor John Arbeláez Ochoa, presents a concise analysis, About political violence. He considers it important that groups and lines of research validate constructs and can measure them in the social and political phenomena of our society. The importance of politics in everyday life and its influence on rational decision making.

The suicide expert, Omar Augusto Amador Sanchez continues to point out a public health problem that has been growing over the years and the historical events that people live and experience. This problem occupies more and more different actors in society, given the magnitude of individual events that are reported every day.

Dr. Reynaldo Pareja presents us with a need that requires special intervention by the social and human sciences: Equality of women and men, an unavoidable evolution of humanity.

Carlos Andrés Trejos-Gil and Daniela Llano Castaño, share their first reflections on the concept of Positive Occupational Mental Health (POMH) for Colombian organizations, a challenge that will overthrow the hegemonic position of occupational health focused on risk factors.

The fourth edition also shares two photographic projects, one entitled Lab Street by graphic designer Alejandro Montoya García and the other called (La calle como escenario para la formación y la práctica profesional) The street as a scenario for training and professional practice. Both projects are in line with the editorial and the intention of the issue, to generate contexts of innovation based on research. To the extent that human beings make better use of available information, they will have the opportunity to generate measured changes that serve personal, social and organizational wellbeing. Innovation in education establishes the hopeful line

that allows us to learn and unlearn in order to transform traditional structures and give greater relevance to a contextualized training based on the needs of the social culture.

The entire team that makes up the journal Ciencia y Academia hopes that the current issue will be of great support to the processes of professional training in any of the areas of knowledge.