

PRESENTATION OF THE EDITION

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The Universidad Metropolitana de Educacion, Ciencia y Tecnologia (UMECIT), is pleased to present our 17th edition, volume 1 of the ORADORES Journal, corresponding to the period December 2022-May 2023.

This issue of Oratores closes the publications of the year 2022 in our house of studies. A year of special importance. We underwent a reaccreditation process that allowed us to value all the work and contribution that our house of studies makes to society, not only in Panama but also in the region. Research has been one of the bastions in the process of improvement of our house of studies and we have been able to see closely the growth of one of the elements of our institutional mission, which is the research culture.

Oratores represents a perfect scenario to share with the world our own advances in research, the contributions that are generated from each experience and also the possibility of receiving international pens that strengthen and project our journal. We are preparing for a new year where we promise to expand our visibility and positioning.

We are proud to present this edition, which has a total of nine (9) scientific products: four (4) research articles and five (5) essays. Authors from Colombia and Panama contribute their intellectual efforts.

We begin with the research article presented by Lucely Martinez and Geovanni Urdaneta entitled **COMPLEXITIES OF TECHNOLOGY TEACHING IN RURAL ELEMENTARY EDUCATION: BETWEEN EPISTEMOLOGICAL CONFUSIONS AND GAPS**.

Next, Diego Cruz Echeverri shares the results of his research entitled **NATURE OF DIFFICULTIES ASSOCIATED WITH LEARNING MATHEMATICS: INTEGERS, IN EIGHT GRADE STUDENTS OF BASIC SECONDARY EDUCATION**; which is developed in the field of mathematics education to make contributions in the understanding of the difficulties that students present regarding the learning of the whole number. This study considers the term

“*learning difficulties*” as a complex unit of analysis since there may be different factors that influence its manifestation.

DIDACTIC STRATEGY FOR THE IMPROVEMENT OF READING COMPREHENSION BASED ON THE TEACHER’S MEDIATION AS AN ATTRIBUTABLE PEDAGOGICAL FACTOR IN RURAL EDUCATIONAL INSTITUTIONS is the article presented by Alexander Perez and Eduardo Cola. The article shows a didactic strategy for the improvement of reading comprehension based on teacher mediation as an attributable pedagogical factor in rural educational institutions in Pueblo Nuevo, Department of Cordoba, Colombia. The implementation of the proposal and the changes detailed in the results and analysis ratify the improvements obtained through the educational strategy.

Clito Selff Mogollon presents a research article entitled **USE OF AN EDUCATIONAL SOFTWARE TO MEDIATE READING AND WRITING DIFFICULTIES IN THE LOGOGRAPHIC AND ALPHABETIC STAGES**, which focused on the study of the use of innovative pedagogical and didactic strategies, in order to achieve optimal results in students. For this reason, it is proposed to incorporate Information and Communication Technologies (ICT), specifically through the appropriate use of multimedia educational software, to serve as support for the educator in his pedagogical action, thus promoting the development of cognitive, linguistic and practical skills of students at this stage of life and therefore in the rest of their training process, essential for a better performance in their environment and in contemporary society.

This issue offers us five (5) scientific essays. We begin with the one contributed by Mercedes Velasquez, Marisol Mendoza and Tomas Pallares entitled **A LOOK AT THE CHALLENGES IN THE TRANSITION FROM ANALOG TO DIGITAL EDUCATION IN THE POST PANDEMIC** which focuses on reviewing some of the challenges faced by education in the post pandemic. Facing COVID 19 caused global confinement and trauma in all public and private spheres around the world, and education is no stranger to this. In Latin America, particularly Colombia, the lack of preparation to face this situation was noted, due to the minimal investment of governments in education. Particularly, four challenges are addressed.

Cristian Severiche and Hernan Perez reflect on and analyze the **NEW CURRICULAR TRENDS TO FACE THE CHANGES OF TODAY’S SOCIETY**, focusing on reviewing trends related to the school curriculum and the characteristics of contemporary curricular trends, in addition to presenting the new curricular dispositions determined by recent problems in the world context. It begins by explaining the historical path that the curricular aspect has taken.

THE RESEARCH TEACHER AS A FACTOR IN THE TRANSFORMATION OF SOCIETY: REFLECTION ON HIS ROLE IN THE CONSTRUCTION OF KNOWLEDGE, HIS OWN PRACTICE AND THE CONSTRUCTION OF KNOWLEDGE NETWORKS is the scientific essay developed by Jenny Martinez, Paola Puerto and Carlos Presiga, Colombia, in which they present a reflection on the role of the research teacher as a factor of social transformation based on his role in the university and his participation in the substantive functions of teaching, research and extension. It analyzes how their actions contribute to the construction of knowledge, the improvement of their own practice and the construction of knowledge networks that involve students in the action of research so that they can contribute to their context and respond to the needs of society.

Hector Parra, reflects and analyzes **HOW KNOWLEDGE IS MADE IN THE BRAIN**. This essay provides information on how knowledge is processed or made in the brain and how important it is to take this into account when transmitting knowledge, or when approaching our teaching work.

Finally, Luis Fernando Paz, Elizabeth Trujillo and Orlando Cundumi, close this issue with their essay entitled **SIGNIFICANCE OF the EVALUATION AND THE INSTITUTIONAL IMPROVEMENT PLAN**, highlighting among their conclusions that evaluation cannot be taken as a final process, since it must be progressive and of constant application, we must take it as the beginning of a new phase or a feedback that gives us some results from the qualitative and quantitative, which are the main input to know our reality, improve, optimize processes, propose strategies and make decisions.

This issue will surely be enjoyed by the entire academic and scientific community at national and international level. Enjoy it!