

... The human life must used to two basic ideas: there is much more life on the planet than human life, since it represents only 0.01% of life on the planet; and that the defense of the life of the planet as a whole is the condition for the continuity of human life. Otherwise, if human life continues to question and destroy all other lives that make up planet Earth, it is to be expected that these other lives will defend themselves from the aggression caused by human life and do so in increasingly lethal ways. In that case, the future of this quarantine will be a short interval prior to future quarantines

Boaventura de Sousa Santos (The cruel pedagogy of the virus, 2020)

EDITORIAL

It is remarkable that at the beginning of the 19th century the word pandemic was referred to the Latin version of pándēmos Aphrodíte: carnal love, which meant: the popular Aphrodite. However, the etymology was followed from the Greek term meaning gathering of the people; and for obvious reasons it is currently a voice formed on medieval Latin epidemic, with the substitution of the prefix epi for the compositional element pan to indicate something that affects the entire population; As Boaventura de Sousa Santos said in the epigraph that accompanies this editorial, the paradox is that, in this case, to demonstrate solidarity, the best thing to do is isolate yourself and avoid touching other people.

The foregoing applies to the current situation since, having reached the figure of 118,000 infected people in more than 100 countries, on March 11, 2020 the World Health Organization (WHO) declared a COVID-19 a disease emanating from the Coronavirus a pandemic SARS-CoV-2. Since then, various health measures have been implemented showing the impossibility of their control by health systems and institutionalized health plans in the world.

This last situation has been evidenced, among many, in a crisis of Global Capitalism, but outside its natural cycle. From this perspective, this pandemic is not a crisis situation clearly opposed to a normal situation; It has been five decades in this part of the world, since neoliberalism prevailed as the dominant version of capitalism and it was increasingly subjected to the logic of the financial sector, in which the world has lived in a state of permanent crisis whose purpose it legitimizes the excessive concentration of wealth and the scandalous extraction of natural resources translated into ecological catastrophes.

In other words: before the virus, a profound social and political change was already under way. And that's how it has been since the 15th century: with the invention of the printing press and the expansion of colonial capitalism, we went from an oral society to a written society; then from a form of feudal production to a form of industrial slave production; later from a theocratic society to a society governed by scientific agreements in which the notions of sex, race and sexuality would become devices of population control. Today, meanwhile, it is changing from a written society to a cyber society, from an organic society to a digital society, from an industrial economy to an immaterial economy.

That is to say, the etymology and the permanent crisis can guide the reflection on the social, academic or power actions to face this situation because it rather presupposes, as indicated above, supporting political, economic and social solutions that guarantee the continuity of a dignified life on planet earth. This change has multiple implications. De Sousa says: the first is to create a new common sense, the simple and obvious idea that, especially in the last forty years, we have lived in quarantine, in self-absorbed political, cultural and ideological quarantine, as well as others: racial discrimination, gender, the absence of a youthful future. The quarantine caused by the pandemic is one quarantine within others, and the quarantine of capitalism will surpass them when there is the ability to understand the planet as a common home and nature as the original mother to whom love and respect are owed. Overcoming this quarantine will make us freer from the quarantines Boaventura predicts, those caused by future

pandemics - some already predicted, such as the one that will emerge from the Amazon rainforest in the form of fungi or bacteria typical of that colossal laboratory of biological species.

In short, the COVID-19 pandemic has produced profound changes in daily customs and practices in most countries on the planet. Such modifications, whose scope and "final" form are today the cause of controversy, anxiety and uncertainty, has reached the sphere of scientific production. An accelerated race in the search for preventive, diagnostic and therapeutic solutions began since the epidemic broke out. Both in the design and in the implementation of the strategies associated with each of these three spheres, in the midst of the rush to find solutions, fallacies and certainties, failures and progress have been occurring in the very short term.

In the case of journals, perhaps the most notable thing is that it has revealed the weakness of peer review mechanisms, including the most prominent ones and, therefore, the urgent need to reconstruct the evaluation system of scientific contributions.

This state of affairs cannot but give rise to distortions; because if, in order to speed up these processes, quality control is also omitted and preprints prevail, the situation becomes chaotic. And placing unconditional trust in supposedly infallible journals can only increase it. For our case: *there are no real ways to generate clinical-epidemiological knowledge, as Euclides told Ptolemy I; and we add: no other.*

Visión electrónica, meanwhile, will advance its practice by taking care of the peer review processes; and ensure that the extensive national and international high-level congresses continue to be received.

In this first number of 2020, in the **Research Vision** section there are articles with topics in: *electrical stimulation of chondrocytes; model of the extrinsic muscles; characterization in mobile cognitive radio networks; solar collector prototype production of hot water and/or water vapour; trading dron and Gazebo simulation; trajectory tracking for an UAV; data analytics and IoT development projects; and compact fuzzy controllers for temperature regulation.*

In the **Case-Study Vision** section articles in: *Pick and Place using industrial robots, simulation and deployment; Navigation of mobile robots; PID-fuzzy of DC motors; information in intrinsic mode functions; the detection of black Sigatoka; and Automated greenhouse.*

For the **Current Vision** section one article about *BlueLock a tool to prevent Bluetooth attacks.*

In the **Bibliographical Vision** section: *Martha Nussbaum. The Monarchy of Fear. A philosophical look at the current political crisis.*

And, in the **Historical Vision**: *John Horton Conway or the genius who played surreal mathematics.*

Harold Vacca González

Editor