Title: An Exploratory Study Applied to Search Relationship between Humans and Universe



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In this paper, we focused our efforts on one of the vaguest subjects in astrophysics that is the formation and evolution of our universe until the arrival of humans. Through an in-depth exploration of the origins of our cosmos, understanding what has happened since the Big Bang until now and checking the history of creation, we can answer questions about the future of life, the possibility of its existence elsewhere in the universe and to be able to understand how we came, what our role in the circle of life is and what the future of our development will be. Here is where we used systematic steps that allowed us first to identify the reason behind the big bang itself that formed a large cloud of cosmic dust. Then after a period of time from the expansion of the universe and its coldness, the initial molecules of gases from the cosmic cloud began to condense, forming a very dense field of gravity that after millions of years led to the formation of stars, galaxies, even earth and the other planets. Finally, it became clear to us that after the earth had formed, the existence of liquid water made it possible for life to form, starting from the bacteria all the way until the appearance of the humans that we know today. But it does not stop here. If we look and contemplate ourselves as humans, we will understand that the universe is inside us and that's what makes us exceptional. All of this means that just as life on earth was created, it could have been on other planets as well. It also means that we are the universe's key to understanding itself.

Keywords Big Bang, cosmic dust, primary elements, universe

Biography

Mohamed Zakaria Hachelaf, an astronomy student at Arab Space Pioneer Programme with UAE Space Agency and Space Foundation in the United States. He's the youngest member of Arab Union of Astronomy and Space Sciences AUASS, and the World Academy of Sciences Engineering and Technology - WASET with age of 16 years old.
He is now considered alumni of the US State Department in 2020 and 2021, on TED and AYLP programmes sponsored by the US Government for educational purposes. Besides sciences and studies, Zakaria is pursuing a career as CEO of WeFundSSR Investments, an investment management project that increases implementation of Innovation and Scientific Research on business through investments.

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