

ANGOLAN MINERAL, OIL AND GAS JOURNAL (AMOGJ) A SPACE TO PUBLICIZE THE ADVANCEMENT OF SCIENCE IN ANGOLA AND THE WORLD

EDITORIAL

The publication of scientific articles is a way of transmitting to the technical-scientific community knowledge about new discoveries, technological innovations, development of new materials and products, techniques and methods of analysis in the area under investigation.

The same way, the involvement of researchers and C&T institutions in the publication of articles in journals increases their national and international prestige, as they externalize their technical knowledge to the scientific community, which, depending on the quality and scientific impact of the published work, results as a reference for the development of other works, ensuring the continuity of studies in other parts of the world. This procedure is possible, since the works are cited internationally, becoming a scientific reference in the subject of research.

The absence of scientific journals indexed and with an impact factor in Angola has been a reason for deep reflections, as science is not done without means for publication. Even if the publications of Angolan researchers are made in international journals, the absence of this means of scientific communication hinders the dissemination of knowledge built by researchers who work in national research centers and educational institutions.

It is in this context that we present the scientific magazine Angolan Mineral, Oil and Gas Journal (AMOGJ) as a vehicle for the dissemination and reproduction of knowledge developed in research centers and educational institutions in Angola and the world, in the areas of Mines, Petroleum, Gas and Biofuels. The appearance of this magazine allows the articulation of ideas of scientists, researchers, teachers, students, professionals and others who want to disseminate the results of their research work, for reflection and debates, which promote the knowledge and technical skills necessary for science and technology.

On the other hand, the imminent need to expand and disseminate knowledge in the area of the AMOGJ journal has been a challenge for this journal. For this reason, we sought to compose an editorial committee of specialists capable of ensuring the high level of publications. The journal counts on the contribution of international institutions, as a strategy to guarantee the quality and the desired competitiveness. With this structure, its publications are focused on works resulting from original and unpublished investigations, submitted for publication by external and internal authors. Within this strategy, based on quality, it is intended that the articles in this journal can be mentioned in other national and international publications. Thus, the articles to be submitted to this journal must be written in English, to ensure international repercussion, based on citations of published works.

Thus, the Angolan Mineral, Oil and Gas Journal (AMOGJ) is launched, incorporating rules for publication and annual periodicity, which may be changed with more releases, depending on the number of articles submitted. To our authors who intend to submit articles, we advise them to explore objectivity, impersonality, reproducibility, coherence and logical reasoning. The works to be submitted for publication must observe the levels of evidence and with the description of the scientific methodology that guarantees critical reflection and reproduction of the results. The above criteria are established in the guidelines present on the magazine's website, for all authors who intend to submit their work to this important means of dissemination.

For its first edition, five articles are published, all with the involvement of Angolan researchers who have dedicated themselves to carrying out advanced studies in the main areas that can enhance the development of the oil industry, which include: a) studies on the advanced recovery of oil on mature campuses, supported by the development of an algorithm based on the principles of neural networks, which establishes methodological strategies, using data from Angola's oilfield; b) Study of hydrate formation problems in oil production systems,

mainly due to flow phenomena in pipelines, characterized by pressure reduction and changes in thermal conditions; c) Contourite vs Turbidite study and its impact on Petroleum Industry, based on the case study from Miradouro da Lua to Sangano, in the Barra de Kwanza region; d) Optimization of thermal energy in a refinery, using pinch technology, based on the principles of energy integration, as a strategy to minimize energy consumption in industrial units and; e) Potential for the production of biofuels from biomass, using thermocatalytic processes to produce products similar to fossil fuels and the consequent integration in existing refineries as a strategy for the construction of integrated bio-refineries.

As noted, the AMOGJ magazine is launched and in its first edition presents five scientific articles, with unpublished themes that should provide reflection and essential technical knowledge for the oil industry. On the other hand, given the desire to arouse the interest of national researchers, the five articles published here have Angolan researchers working in national institutions and working with international partners with universities in Brazil, Italy and France, whose partnerships should be expanded and consolidated from these initiatives.

Finally, we want to alert the scientific community that there are frontiers of knowledge that need to be known and studied in order to focus research in the perspective of contributing to the advancement of these frontiers, requiring efforts, dedication and involvement. The development of studies to contribute to the advancement of knowledge frontiers should enhance human resources to leverage the country, within the scope of competences in science and technology.

Thus, according to the descriptions contained in this editorial and within the scope of the AMOGJ's coverage area, there is a vast spectrum of investigations, which can enhance new projects that should incorporate new knowledge for the country, guaranteeing technical and scientific competences to leverage science and technology in Angola and the world. The frontiers of knowledge show the scope of areas that are amenable to research, especially when the country's economy is linked directly to the oil industry and with limited development in the mining industry. Furthermore, the country's biomass potential requires studies that incorporate this biological material into the national energy matrix, ensuring the country's environmental and economic harmony. For everyone who seeks to do science, through scientific and technological research, the AMOGJ Magazine is the means of communication that was created to give the scientific community the opportunity to publicize their work.

It was recorded here that the idea of publishing this scientific journal in the area of mining and oil originated from the results of two international conferences held in Luanda, in 2016 and 2018, when the perspectives of the oil industry in Angola, mainly regarding their relationship with scientific and technological development. For this reason, the efforts made led to this first edition of the journal, with public and free access (open access) for the scientific community, companies, non-governmental organizations, educational institutions, government agencies, among others. However, it is necessary that it is known that the publication of a magazine of this size entails high costs that need to be covered for the continuation of this work. Your willingness to build partnerships to finance the project of this scale and international dimension, which places Angola as a country of science and technology, must be seen as an opportunity to invest in the knowledge, so that this country can have a new educational identity, starting from science and technology.

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