Battery safety chisinau

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The professors of the Department of Microelectronics and Biomedical Engineering within the Faculty of Computers, Informatics and Microelectronics - prof., Dr. Oleg LUPAN, lect., Dr. Nicolai ABABII, univ. assist., Dr. Nicolae MAGARIU, and prof., Dr. Artur BUZDUGAN - published the results of their scientific research on sensors for battery monitoring in the prestigious international scientific journal Chemosensors, specializing in the science and technology of chemical sensors and related analytical methods and systems, with an impact factor of 3.398.

The authors of the paper brought attention to the importance of using nanotechnologies to ensure the control of radioactive and nuclear materials (personalized control); radiation protection devices; as well as new protective materials.

The results reported in the paper can be used in the development of devices for rapid detection of gas leaks in batteries, as well as for the development of materials resistant to certain radiation doses.

- The results presented in the paper indicate that obtaining 3D printed nanomaterials and heterostructures, which is a simple and cost-effective method, can be used in several fields, such as micro- and nanoelectronics, medicine and nuclear safety.

- The research conducted together with our colleagues from prestigious universities abroad has allowed us to accumulate new knowledge through studying the identification of gases that are part of batteries.

- Open Access research is important for ensuring the visibility of the University and research centers, as well as the dissemination of the results obtained, especially now, in the era of development of the battery-powered electric automotive industry, when batteries become larger and accumulate enormous amounts of energy. The security of batteries is of immense importance for the safety of people, especially for those who use them daily.

This paper was partially supported by the Technical University of Moldova and the Government of the Republic of Moldova, ANCD, through the State Program no. 20.80009.5007.09. Project director: rector of TUM, Viorel Bostan. The work was also partially supported by the Swedish Radiation Safety Authority (contract no. SSM2020-7534).

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Today, the Technical University of Moldova hosted a significant event dedicated to supporting the educational sector in the Republic of Moldova, titled “EU Initiatives Supporting