



“Pre-Graduate Researchers” initiative in the field of nanotechnology

Two students in Alexandria Sciences won first place in the “Pre-Graduate Researchers” initiative in the field of nanotechnology. Prof. Abdel Aziz Konsowa, President of Alexandria University, congratulated the two students Basant Amir Muhammad and Roland Sami Ibrahim, who are enrolled in the fourth level in the Faculty of Science’s chemistry program, and who won first place as the best research in the field of nanotechnology, during the initiative launched by the Faculty of Science, Tanta University, entitled “Undergraduate Researchers Initiative (URI)” at the level of Egyptian universities, under the auspices of the Ministry of Higher Education and Scientific Research, and the sponsorship of the Fund for Innovators and Geniuses.



The research was supervised by Prof. Mahmoud Mohamed Emara - Assistant Professor of Physical Chemistry at the Faculty of Science, Alexandria University. His topic revolves around recycling biological waste from industries based on agricultural products in building nanoscale materials capable of using sunlight to purify water from organic and inorganic pollutants. Nanometre materials based on agricultural waste are considered Sustainable materials that are self-degradable and biodegradable, making them environmentally friendly. Using them to purify water with sunlight is an energy-saving method that maintains a clean environment through green chemistry.