



Increase in the Number of Science Committees

Seyed Zia Hashemi, advisor of the minister of Science and Technology in the field of Culture and Society, says that the number of science committees have been doubled in the past few years. According to the PR Office of the ministry of Science, Hashemi took part in the closing ceremony of the first meeting of Culture and Society Deputies in Private Universities and said: "When it comes to the topic of cultural management, it is not enough to be concerned. We need specialized management so that culture could be protected against any harm." He mentioned that science is one of the most important factors affecting the culture and went on: "This is the dawn of culture and our religious and natural identity, along with the orientation of our values, should be well attended to. It is not enough to speak beautiful words. We need to walk the talk and treat the students with delicate hands and train them to be responsible members of the society." Hashemi said that in the past two years the science committees, which are amongst the most important bases for cooperation between science and culture, have been approximately doubled and scientific journals have also witness an increase in their number, from 2,800 to 4,000.

POINT OF VIEW

Agreement with Germany for Transfer of Technology

Dr. Majid Motaqi-Talab, manager of Gilan's Technology Park, says that 4 trash incinerator companies have been established in Gilan province and a related agreement has been signed with Germany. Dr. Motaqi-Talab, in the exhibition of the tech-market in Anzali's Free Trade Zone, said: "The presented technology in this expo have been evaluated by TRL system. Last year, 5,000 projects were registered, 700 of which have been acknowledged and announced as ready for entering the market." He continued: "During the time of this expo, the presented technology were also evaluated on the grounds of industrial preparation and investment and, based on their level of preparation and the results of the evaluation, the technology were divided into four groups of golden, silver, bronze, and diamond technologies." According to him, Gilan's Technology Park is among the top three of the country. Here, besides a comprehensive incubator center, joint incubator centers with the assistance of IAU and Organization of Agricultural Education and Research were established. Currently, 240 companies are residing in this park. He said: "Since 2010, COMSTECH decided to create three networks between the Islamic countries and the one related to the Technology Parks of the Islamic countries set up its permanent office in Gilan's Technology Park."

CONTACT US

We welcome your views and memos on the related topics. You can contact us through: english@fdn.ir.

IAU Officials Did

Inauguration of Development Projects in Damavand Branch



photo by: Amir Pourmand

Ayatollah Hashemi-Rafsanjani, C. and Hamid Mirzadeh on his right listen carefully to explanation of one expert of Damavand branch on its reserch projects

Ayatollah Hashemi-Rafsanjani, head of the founding council and the board of trustees of the Islamic Azad University, and Dr. Mirzadeh, chairman of the university, met with Ayatollah Javadi-Amoli and after discussion regarding several issues, they visited Damavand branch of IAU to inaugurate a number of development projects in this site. These projects, consisting of different facilities offering educational, sports, administrative, and research services, covered over 15,000 sq/ms of this university branch. Also, Ayatollah Hashemi-Rafsanjani surveyed the sports complex and incubator center of this academic center and officially opened the greenhouse and engineering labs and workshops for the use of the students. In another part of this visit, head of IAU's founding council inaugurated the Concrete and Asphalt Research Center.

Progress in Damavand Branch
Dr. Mahmoud Safari, director of Damavand

branch, welcomed the visit of IAU officials and said: "Damavand branch has a background of 14 years and although it is among the younger university branches, it has proved itself as one of the most successful ones. This branch was initially established with 260 associative courses; after two years, it added 40 hectares to its base and moved on to continue its activities independently. Currently, this branch has 30,000 sq/ms of educational space and 14,000 sq/ms greenery, while its students in 40 undergraduate, 22 postgraduate and 8 doctoral programs are over 7,500. Also, Damavand branch has 58 advanced workshops in the service of educational programs and 110 faculty members assist the students in pursuing their studies. It should be mentioned that this branch has started a careful plan for adding to its faculty members and administrative staff." Safari talked about the managing term of Dr. Mirzadeh and said: "In this period, the greater share of this branch's problems and issues

has been resolved and this center has moved along the path of growth and qualitative development based on clear plans and schedules. Also, merging of the campuses, establishing the benefit package and incentives for the staff to improve their skills or further their studies, also subsidies set aside for the personnel, are another part of the great deeds accomplished by Dr. Mirzadeh." Referring to the cultural activities of IAU, he went on: "Since the budget and financial planning in this sector increased, the student associations and their positive contribution have also shown considerable improvement. On the other hand, the research projects pursued in Damavand branch are closing on profit-making and the development projects, emphasized by Mohsen Hashemi -IAU's deputy of Development-, have also progressed. In addition to this, three research centers have been established in this branch, helping the stabilization of Damavand branch's standing as one of the best among other IAU centers across the country."

Iran's News

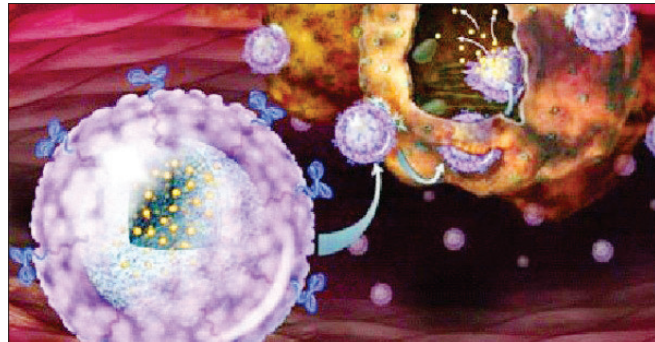
Clean Electricity through Wastewaters



Generating electricity through micro-organisms is one of the new topics garnering researchers' attention. Supervisor of the research team in Qods branch says: "We could generate electricity from the activities of the micro-organisms in microbial fuel cells, which could be done using food leftovers, wastewater, and organic substances in general, without harming the environment." Dr. Nozad-Goli, faculty member of Qods branch, said: "With the university's support and inaugurating a knowledge company specialized in generating green energy, we could refine municipal waste in industrial level, generating clean and affordable electricity. Not to mention that this would

be in line with resistive economy objectives and sustainable development of energy." Dr. Darvishi, director of Qods branch, also referred to reducing pollutants through clean energy and added: "We could mass produce the electricity generated through micro-organisms by establishing a knowledge company, as well as obtaining the standard affordable and green energy introduced in scientific and industrial fields. Qods branch, with its motto of being the forerunner in the field of quality and scientific standards in the year of the resistive economy, has made great progress and is working hard to abide by Dr. Mirzadeh's words, by becoming a mission-oriented university."

Nano-particles as Drug Nano-carriers



Researchers of Mashhad's Medical University have synthesized lipid nano-particles for targeted drug delivery of anti-cancer medicine. Dr. Malaek, faculty member of this university, says: "7-Ethyl-10-hydroxycamptothecin could potentially be used in treating lung, stomach, cervical and ovaries' tumors. This medicine is 100 to 1000 times more effective than irinotecan. Due to low solubility of SN38 in water and other solutions applicable for pharmacy, we have made use of solid lipid nano-particles (SLN) containing SN38 prepared for perfusion." He continued: "Using nano-particles smaller than 200 nanometers enables the medicine to accumulate at the tumor loca-

tion, increasing the efficiency of the medicine. Also, this feature reduces the damage inflicted on the surrounding healthy tissue by the medicine." According to him, SLNs and PEGylated SLNs containing SN38 (SLN-SN38 and PEG-SLN-SN38) were prepared using ultrasonication technique. The properties of the nano-particles containing anti-cancer medicine were evaluated in terms of size, zeta potential and encapsulation. The medicinal effects of the produced nano-particles were observed on two colorectal carcinoma cell lines and finally, the efficiency of the anti-tumor nano-particle was assessed in comparison with the commercialized products of irinotecan applied to mice infected with C-26 tumor.



IN A CEREMONY, THE FIRST PHASE OF THE NATIONAL NETWORK OF INFORMATION WAS INAUGURATED BY THE HAND OF FIRST ADVISOR TO THE PRESIDENT, ISHAQ JAHANGIRI, AND THE MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY, MAHMOUD VAEZI.

NEWS PHOTOS

IRAN UPDATES

Iran-Russia Ink \$1 bl. Oil Rig Deal

Russian shipbuilder, Krasnye Barrikady, and an Iranian company have signed a deal worth \$1 billion to build five offshore drilling rigs for oil and gas exploration in the Persian Gulf. The deal signed with Iran's Tasdid Offshore Development Company (TODC) envisages the construction of each drilling rig over two years in the port city of Khorramshahr, TODC Managing Director, Ehsanollah Mousavi, said. The project will be jointly financed by Russia and Iran, and put the Islamic Republic among the countries capable of building drilling rigs. "According to the timetable, domestic share in the construction of the first drilling rig will be 58%. This share will gradually rise during the execution of the project with technology transfer into the country," Mousavi said. "The project financing will be done by the Russian company. The return of investment will come from the leasing of the rigs to the country's oil and gas projects, with the investment and profits planned to return in five years," he said.

Iran Marks Anniversary of PM's Office



The Islamic Republic of Iran is marking the anniversary of the assassination of former President, Mohammad-Ali Rajaei, and then-Prime Minister, Mohammad-Javad Bahonar, who lost their lives in a bombing in the capital 35 years ago. On August 30, 1981, President Rajaei, Prime Minister Bahonar and several other Iranian officials had convened at the Tehran office of the PM in a meeting of Iran's Supreme Council of Defense when a bomb explosion ripped through the building. The blast killed Rajaei, Bahonar and three other members of the Islamic Republican Party. Subsequent investigations later revealed that the terrorist Mujahedin-e Khalq Organization (MKO), which had infiltrated the then-prime minister's office, was responsible in this act. Every year Iran marks the Government Week to commemorate the memory of the late President Rajaei and Prime Minister Bahonar.

UN Meets to Choose Successor to Ban Ki-moon

The UN Security Council is holding secret ballots to choose a candidate to replace Ban Ki-moon who has to leave after serving two five-year terms as the United Nations Secretary General. The 15-member Security Council will cast a ballot for each of the 10 candidates, with the choices being encourage, discourage or no opinion. The candidate chosen unanimously by the Security Council will be recommended for appointment by the UN General Assembly as the new secretary general who starts work in January 2017. Ban, who had been initially selected for the post by the Security Council in October 2006, steps down on December 31. He was the first Asian head of the organization in 35 years. Based on the UN's unofficial regional rotation scheme, many analysts believe there is a good chance that the next UN chief will hail from Eastern Europe, which has not produced a secretary-general as of yet.

SPECIAL REPORTS

Inside IAU

SHAFA Complex of Sarvestan Branch



Dr. Hossein Miladian, director of Sarvestan branch, says: "In the meeting of the administrative council of the city, the plan for dedicating 10 hectares to the construction of SHAFA complex of IAU was approved. Considering the university's facilities such as water, land, workshops and labs equipped with the advanced devices, its diligent and hardworking staff and professional professors, its good relationship with the public, and the policies of IAU's head office regarding less reliance on tuition, we came up with a comprehensive plan and efficient method for realizing these objectives." He referred to the greenhouse built in an area of 1,250 sq/ms as the first attempt in this field, saying: "The construction process is in its last stages. Since this branch offers courses of foodstuff and nutrition, this branch is able to carry out the full cycle of producing organic products, and this feature has already secured the market for this greenhouse." The director referred to conducting the standardization plan of the branch's labs for the purpose of joining SAHA network and establishing the SHAFA complex as other plans in line with goals of the resistive economy, adding: "In the administrative council's meeting, the aforementioned plans were well received and the plan for dedicating 10 hectares of land to SHAFA construction also received approval; consequently, the project is going through its early stages of construction." He noted holding the national convention of 'Management in Resistive Economy' as the last plan prepared by this university for the current year and went on: "The executive organizations of the city have declared their support regarding this convention, and we are working on its execution requirements to offer the best quality."