



## IAU Cooperating in Commercialization of Knowledge Products

Dr. Ebrahim Vasheqani-Farahani, deputy of research and technology of the Islamic Azad University, says that this university will cover 100% of the costs of those inventions receiving an international registration license. This deputy said: "If the inventions are registered internationally, Islamic Azad University and the deputy of science and technology in the presidential office will cover all of the necessary costs. In addition to that, we have prepared prizes, each worth 10 million Toman. These prizes shall be given to the inventors." He continued: "Some inventions are nationally registered. If they are only nationally registered, their worth would be equal to one and a half ISI article, which equals to 5 million Toman. This will be paid by the university." Dr. Ebrahim Vasheqani-Farahani also stated: "Some inventors want to commercialize their designs in the form of programs. In this case, Islamic Azad University will cover up to 35% of the costs of the knowledge companies' products. If we decide that a program or a device has enough potential, there is the possibility that, with the assistance of the university's knowledge council, we increase the amount of support by another 35%."

## POINT OF VIEW



## Producing Surrogate Gelatin Based on Albumen

Dr. Mehrdad Yadegari, faculty member of Shahr-e Kord branch of the Islamic Azad University, says: "Bone composites have been used as supplementary compounds for filling damaged bones for many years. These compounds are treated as artificial bones used for filling and restoring fractures." He added: "One of the used composites is hydroxyapatite ceramic powder, which is produced through processing hydroxyapatite from cow bones through the method of making ashes of its natural compound. Quick recovery and restoration of fractures and reducing the after effects and issues caused by the incident are of utmost importance to the patient. Natural minerals cause less side effects compared to traditional and chemical medicine." He continued: "After conducting special processes on the albumen (egg white), we placed it in the tibia bone of a dog, and compared the results with the control group at 30 and 60 days after the surgery by conducting radiography, bone densitometry and pathology. The final results indicate that in terms of cartilage tissues, the newly formed vessels, and osteoblasts and osteocytes are of better condition and faster production in the examination group."

## CONTACT US

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

Joint Meeting of IAU and Parliamentary Representatives

## IAU's Role in Expansion of Higher Education



Dr. Hamid Mirzadeh, chairman of the Islamic Azad University, met with a group of the representatives in the new parliament. In this meeting, he referred to the early days of the university and said: "Ayatollah Hashemi-Rafsanjani proposed the establishment of this university which was approved by Imam Khomeini (RA). From then on, great and insightful figures have been members of the university's founding council, observing its activities and objectives." He went on: "Thanks to the kind participation of the people, Islamic Azad University is the third university of the world in terms of student population and is also the first attending university in the world. This academic institution has more than 400 branches all over the country and 6 overseas branches, with careful plans for expansion of its activities through further offices. Currently, Iran has a population of 11 million university graduates, 5.5 million of which are alumni of the Islamic Azad University. In other words, this univer-

sity is responsible for half of the higher education system of the country."

### IAU's Share in Higher Education

Dr. Mirzadeh maintained that quality is the core value of all the activities pursued by the Islamic Azad University, adding: "Qualitative development and enhancing the impact of the programs and activities in the social, economic and scientific fields are the basis of the university, guiding all the strategies and visions of this academic organization. IAU benefits from collective wisdom, cooperation and expertise of all the top figures in this sector. The evidence is more than 490 members of provincial boards of trustees and the 500-membered strategic council of the university."

Next, Dr. Mirzadeh explained about SAHA network, saying: "After establishment, this would be a great network tying together more than 11,000 labs and workshops in all the branches of the Islamic Azad University. Although it is an accumulation of IAU's assets,

it is not restricted to this university and all the students and faculty members in the country, whether affiliated with IAU or not, would be able to take advantage of its capacities. Also, IAU's share in the expansion of graduate studies is more than 56-percent; this means 56-percent contribution to the efforts keeping the intellectual potentials through preparing adequate infrastructures for those interested in continuing their academic studies. Each year, more than 1 million applicants participate in the entrance exam for the post-graduate programs, only 30-percent of which is accepted by different universities. Also, IAU and state universities together are able to answer only 10-percent of all the demand for doctoral programs. This makes the effort for expansion of the graduate programs more urgent."

Linking higher education to better realization of cultural values, he said: "Higher education has a positive impact on the culture, in turn reducing social abnormalities and their associated costs."

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## Iran's News

## Special Attention to IAU's Female Graduates



Director of Babol branch of the Islamic Azad University says that women's activity in the society's scientific and cultural fields is one of the most important goals of the country. He stated: "This goal requires the cooperation of women in every field, such as science, culture, family, etc." Hojjat Al-Islam Dr. Hassan Gholipor, in the first meeting of Babol branch's council of educated women, emphasized that women play a significant role in the development of today's societies, saying: "One of the most memorable achievements of the Islamic Republic of Iran is the activity of women in the country's managerial body. Today, women work and try hard alongside men in our society, in all the different fields such as family, science, society, and politics." Director of Mazandaran branch's council of educated women, pointing to the aims of

this council, stated: "Women have made progress in different fields in the Islamic Azad University and educated women are amongst the university's greatest resources. Considering the need of handling the issues related to women, Islamic Azad University's council of educated women was formed with the approval of Dr. Hamid Mirzadeh, chairman of the Islamic Azad University, and the directions of Dr. Tabatabaei, head of university's strategic council of educated women." Dr. Sara Gholami, director of Mazandaran branch's council of educated women, expressed hope in the future of this council and mentioned the first session of this council as fruitful and enlightening, naming several goals of the council alongside its responsibilities, calling it a proper medium to provide opportunities for the women so that they could participate in the managerial fields.

## Extracting Caffeine from Tea Wastes



Dr. Asghar Alizadeh, head of the research project of Rasht branch of the Islamic Azad University, introducing this industrial project, claimed the purpose of extracting caffeine from tea wastes to be saving around 600,000 dollar in finances annually. The designer of the pilot project of extracting caffeine in the incubator center of Rasht branch of the Islamic Azad University, talked about the stages of designing, manufacturing and inaugurating the pilot unit, saying: "The initial idea for extracting caffeine from tea wastes was offered by Dr. Hamid Mirzadeh, chairman of the university. The idea was followed up by the director of Rasht branch and after consulting with the deputy of research and technologies, I was assigned to this unit."

He mentioned that around 50,000 kilos of caffeine are imported

annually and added: "This pilot system is composed of the main parts for separating stones and metals, grinder, liquid-solid separator, dryer, extracting from solid material, crystallizer and fluidized bed dryer. In case of providing the finances, Rasht branch is ready to conduct all the necessary stages at the industrial level." Alizadeh went on: "Deputy of research and technology of Rasht branch has used the experience obtained from this project to design a more flexible process and increase the variety of the products for the purpose of reducing the risks of investing on this industrial unit. According to the estimations, the continued support of the deputy of research and technology of the head office has resulted in preparing the commercial business plan so that it could be presented to the industrial investors in the second half of the current year."



### IAU'S STRATEGIC COUNCIL OF CULTURE AND SOCIETY

MEMBERS OF STRATEGIC COUNCIL OF CULTURE AND SOCIETY IN THE ISLAMIC AZAD UNIVERSITY HELD A MEETING TO DISCUSS CURRENT AFFAIRS.

NEWS PHOTOS

## IRAN UPDATES

### Iran Tests Ballistic Missile

Iran recently test-fired a ballistic missile with a range of 2,000 kilometers and accuracy to within eight meters, a senior Iranian military official says. "Two weeks ago, we tested a missile with a range of 2,000 kilometers and an error margin of eight meters," Deputy Chief of Staff of the Iranian Armed Forces, Brigadier General Ali Abdullahi, said. Such tests have come under scrutiny by the West since a nuclear agreement with Tehran went into force in January. The tests do not violate the nuclear agreement, but Western powers have sought to pressure Iran into halting them. Tehran says it doesn't have any non-conventional weapons program and its missiles are not aimed at carrying nuclear warheads.

### Some of Iran Gas Wasted Each Day

A senior official in Petroleum Ministry has called for the private sector to step in and help recover billions of dollars from going to waste in Iran's natural gas flares. Under-Deputy to the Oil Minister, Mohsen Khojasteh-Mehr, told a gathering in Tehran that the country loses at least 28 million cubic meters of natural gas flowing alongside extracted crude in oilfields. The official, who was addressing Iran's first International Flaring Conference in Tehran, told the participants that the country needed to upgrade its flaring technology so as to prevent some 3.5 billion dollars from going to waste each year. He said on top of the financial cost, the existing trend will cause further damage to environment. Khojasteh-Mehr urged the private sector to play a more pronounced role and help safeguard Iranian hydrocarbon resources.

### 'Security is essential for running country's affairs'

Supreme Leader of the Islamic Revolution, Ayatollah Seyyed Ali Khamenei, says establishment of security is of foremost importance to management of various affairs in the society. Ayatollah Khamenei made the remarks in a meeting with commanders and senior officials of the Iranian police force in Tehran. "If poverty does not exist in a society but security is also non-existent, the life [in that society] will turn sour," the Supreme Leader said. In the absence of security, important affairs of the country, including education, business, diplomacy, and management of the country would not be possible, Ayatollah Khamenei added.

## SPECIAL REPORTS

### Inside IAU

## Hormozgan Branch: Releasing 10 New Products of Technology Park



Director of the technology park of Hormozgan branch says that this year's motto, resistive economy, attempt and effort, has resulted in expecting higher set of standards from incubator centers and knowledge companies. Ali Fata met with the members of the technology park of Persian Gulf and mentioned that knowledge companies play a major role in the resistive economy, saying: "Considering the new level of expectations, you would be given more credit; which is all due to your own increased focus and efforts."

He referred to the objective of the technology park of Hormozgan for this year and said: "According to the plans, we are going to commercialize 10 new knowledge products and then release them into the market. Hormozgan's technology park would also offer its full support in this matter, and would also make sure that the companies would offer their products without any unnecessary worries." According to the director, the most important objectives of companies should involve commercializing and exporting; they would also be fully supported by the technology parks. Fata emphasized on using the capacities of the technology parks in developing technology units and added: "A commercializing office has been opened for relieving the branches, and we expect the technology units to use this capacity for commercializing their products."

He also mentioned the knowledge orientation of the technology units based in the incubator centers of Hormozgan and continued: "We have simplified the process of observing and evaluating the companies' potential for knowledge orientation. From now on, the assessments would be done by a provincial agent, supported by the technology park."

He went on: "Previously, due to restrictions on time and assigning agents from outside the province, we could not evaluate all companies. But now, through this new method, this problem has been resolved."