

Production of Herbal Medicines in Parand Branch

Dr. Keyvan Saeb, new director of Parand branch of the Islamic Azad University, with regards to his plans for the branch, said that this branch will try producing herbal medicines in the branch's biotechnology research center. Dr. Saeb, in a meeting with directors of the university's different sections, emphasized the importance of admitting students and increasing the number of postgraduate and doctoral programs. He further mentioned that he has plans for the branch that include the following: getting license for establishing a specialized laboratory for concrete; establishing a specialized genetics clinic and providing advice in this field; getting the license to produce instruments for mechanics and electronics labs; establishing a center to repair laboratorial instruments; production of herbal medicines. Further in the meeting, the director said: "I am totally against faculty members who have two jobs; each faculty member should be present personally in the branch for at least three days per week. My responsibility is to maintain the university's goals and intentions and it does not matter who the person is. What matters in the organization as a factor is how a member works with no expectation."

POINT OF VIEW

Australia Universities Resume Academic Ties with Iran

Iranian Envoy to Australia, Abdul-Hossein Vahaji, says that a number of universities in Australia have resumed scientific and academic cooperation with Iran since last year, and are planning dispatch of delegations to Iran in the near future. He visited Melbourne, Deakin, Monash and La Trobe universities in Melbourne to investigate ways for boosting bilateral and academic ties between Iran and Australia. The officials of the universities introduced different departments and outlined a report on their academic position in international ranking. They also presented a report on the history of cooperation with Iranian students and situation of the students working in the universities. Abdul-Hossein Vahaji, for his part, said Iranian embassy is ready to expand scientific, academic and educational cooperation between Iranian and Australian universities. The consular delegation of Iranian embassy also visited Melbourne and provided consular services for Iranian nationals unable to travel to Canberra due to the long distance.

POINT OF VIEW

Iran to Hold Nano-Medical Expo

Iran plans to hold the 2nd Nano-Medical Exhibition on September 27-29 in Zanjan Medical University, central Iran. Nano-tech uses nano-tools and engineered nanostructures to build, control, sea and recover human biological systems in molecular scale. The most basic tools of nano-medicine can be used to diagnose diseases, distribute drug and inject hormone in chronicle diseases. The more advanced tools are acting as small surgeons in body. The Iranian university plans to hold the exhibition in a bid to introduce the newest nano-medicine achievements, exchange information and conduct research projects.

CONTACT US

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

Closure Ceremony of IAU's Olympiad for Medical Students

Suggestions for Improvement of Health System



Dr. Seyed Taha Hashemi

Dr. Seyed Taha Hashemi, deputy of Culture and Student Affairs in the Islamic Azad University, attended the closing ceremony of IAU's first Scientific Olympiad for Medical Students in Najaf-abad branch and in his speech demanded that the students who were chosen as the top participants to send in their suggestions for improvement of the Health System. He expressed his belief that this scientific competition could be one of the significant factors carried out by the government. Taha Hashemi mentioned that IAU is a vast organization and is in charge of 40-percent of the medical education in the country. He deemed it valuable that students participated actively in this Olympiad and stated: "Students from all over the country have participated in this competition. Your presence and participation is highly prized and is of high importance for the university. The students who are chosen here are all the top students of IAU; this is a

university which with regards to the number of students, faculty members, background, and capabilities, is equal to two ministries."

Chairman's Special Attention to Medical Sciences

Dr. Hashemi reminded those present of the attention of Ayatollah Hashemi-Rafsanjani and Dr. Mirzadeh to the medical sciences and continued: "This field of IAU has recently shown great progress. Due to several reasons, before Dr. Mirzadeh's term medical sciences did not progress much in IAU; but later on, with the attention shown by Dr. Mirzadeh and Ayatollah Hashemi-Rafsanjani, also the efforts of Dr. Larijani, current educational advisor in the ministry of Healthcare and Medical Education, this field started to grow fast."

Knowledge Companies: Priority for IAU

Hashemi later talked about the receding dependency on tuition fees in IAU and said: "Lowering dependency on tuition fees is one of

the main plans of IAU. Since knowledge companies are able to turn knowledge and science into wealth, they are being established in every field such as technology, engineering, medical sciences, and even humanities." He further continued: "As you already know, many universities, all around the world, are not state universities. Decent universities are usually private and it is their scientific credit and the specialized trainers which make them credible. All such universities earn a part of their income from tuition fees, which is something between 25-30% of all their finances; but the main part of their income, which is used in improving the act of education in different fields, is from their knowledge activities in different companies." At the end, he mentioned MIT University and said: "According to reports, this university has around 28,800 knowledge companies, in which 3,300,000 graduates and students are actively working and they are earning more than 2 bl. dollars."

Iran's News

Rasht Municipality to Support National Festival of IAU



Residue Management Office in Rasht municipality is going to support the National Festival of 'Reconciliation with Nature'. The CEO of this office expressed optimism regarding this event, since he believes that this event held by the Islamic Azad University will be a great step towards improving the society's cultural level in environmental matters. Dr. Teimour Amar, deputy of Culture and Student Affairs in Rasht branch of IAU, appreciated the helping hand and cooperation of the municipality and presented a report on the Festival of "Peace and Hail", also the upcoming National Festival of "Reconciliation with Nature" in Gilan. He invited Rasht's Office of Residue Man-

agement to cooperate in hosting the upcoming festival. Hojjat ol-Islam, Qasem Qasemi, deputy of Culture and Society in Rasht branch, firstly explained the goals pursued by this festival, and next explained further on the processes of this event and the cooperation with the municipality office. Those interested in the topic could visit the official website of the festival, www.solhvasalam.ir, or check the Telegram Channel of the festival, @solhvasalam, for more information. Also, those who want to participate in the festival, could send in their works (scientific research, art work, etc.) to the university's deputy of Culture and Student Affairs.

Precise Measurement of Pain Killers in Falavarjan Branch



Dr. Masoud Fulad-Gar, project executor, says: "Nalbuphine is a semi-synthesized medicine categorized under pain killers. Generally it is used for heart failure, primary preparation for surgery and after the procedure, as an aid for general anesthesia. The purpose of this project is to present a simple method based on sensors for detecting and measuring nalbuphine in samples from the body such as urine." He continued: "Nano-composite structures used in the sensor increase the active surface of the electrode. Also, increasing the active centers and optimizing the electron-transfer kinetics to the surface of the electrode increases the flow caused by the medicine's oxida-

tion on the electrode's surface, which makes measuring the lower amounts possible. Optimizing the electrical conductivity inside of the electrode is another advantage of using nano-composites." He went on: "First, nickel oxide nano-composite and functionalized carbon nano-pipes were synthesized through the method of chemical deposition of nickel in the presence of carbon nano-pipes. Then, the obtained nano-composites were characterized through scanning electron microscope and X-ray diffraction. Finally, the synthesized nano-composite was used in the production of carbon electrode with an ion-fluid and the behavior of nalbuphine on the surface of this electrode was studied."



JOINT MEETING OF BRANCH DIRECTORS IN KHORASAN RAZAVI PROVINCE, IAU'S DEPUTY OF PARLIAMENTARY AFFAIRS AND ISLAMIC PARLIAMENT'S COMMISSION OF EDUCATION AND RESEARCH.

IANA

IRAN UPDATES

Iran Condemns Deadly Munich Mall Shooting



Iran has strongly condemned a Friday shooting spree at a shopping center in Munich, urging international consensus towards fighting terrorism. Foreign Ministry spokesman, Bahram Ghassemi, on Saturday condemned the killing and voiced Tehran's sympathy with the German government and people. "Today, fighting terrorism in whatever form and place should be considered as a serious and immediate demand of the international community and human conscience and the top priority by all countries in an international consensus," he said. On Friday, an 18-year-old man with no criminal record went on a shooting spree at the Munich Olympia Shopping Center, killing nine people. Twenty others were also injured in the shooting.

Iran Advises Nationals to Heed Turkey Emergency State



Iran's embassy in Ankara has strongly advised Iranians living in or visiting Turkey to heed the regulations of a state of emergency in the aftermath of last weekend's abortive coup against the Turkish government. The embassy said in a Thursday advisory that Iranian nationals must pay attention to announcements of the Turkish security officials and become aware of the regulations of the emergency state through authorized sources before departing for the neighboring country. The Iranian embassy also urged Iranian residents or tourists in Turkey to make consultations with reliable lawyers familiar with Turkish law before signing any contract or doing any economic activity that would carry financial or legal liabilities. Turkish lawmakers on Thursday endorsed a motion declaring a state of emergency following last Friday night's botched coup.

P5+1 to Rue Any JCPOA Breach



A senior Iranian cleric has reiterated Iran's commitment to its obligations under last July's nuclear agreement with the P5+1 group of countries, warning that the six world powers will "regret forever" any violation of the deal. "We are committed to our obligations, but if they violate their obligations, the Iranian nation and the Islamic establishment will make them regret," said Ayatollah Ahmad Khatami during a sermon to worshippers at Friday prayers in Tehran. He rejected as "unfair and biased" the latest report by United Nations Secretary General Ban Ki-moon on the implementation of UN Security Council Resolution 2231 that endorsed last July's nuclear agreement, known as the Joint Comprehensive Plan of Action (JCPOA).

SPECIAL REPORTS

Clay Nano-particles for Paper Manufacturing



Paper manufacturers are faced with issues such as longevity and biodegradability of additive materials for improving the resistive and preventive properties. Dr. Majid Kiaei referred to reduced solidity of paper as one of the aversive effects of additive materials and said: "We have evaluated the effects of clay nano-particles on optimizing the mechanical and physical properties of paper. Clay is an affordable, harmless and eco-friendly substance which could be used for the solidity of paper, which would subsequently increase the longevity and stability of the paper." Adding clay nano-particles strengthens the bonds between paper fibers, which could lead to increased resistance against tension, cracking and crushing. On the other hand, the amount of used nano-particles should be measured at the right amount; if the amount used ends up being more than necessary, it would reduce the paper's resistance against tearing. In this project two kinds of paper pulps were studied; one produced from useless cartons and the other from NSSC paper pulp manufactured in Mazandaran's wood and paper factory. Clay nano-particles were added to suspended mixture of paper pulp in five different levels. Then, different kinds of paper pulp containing alternate percentages of clay nano-particles were used for paper production and their physical, mechanical and structural properties were evaluated. The findings indicate that adding 2-percent of clay nano-particles to the paper pulp produced from the cartons, increases the paper's resistance against tearing and cracking up to 3/7 and 8/7 percent, respectively. This project is the result of the efforts of Dr. Majid Kiaei, associate professor of wood and paper industry group of Chalus branch of the Islamic Azad University, Dr. Ahmad Samariha, doctorate graduate of Science and Research branch of IAU and Dr. Mohammad Farsi, faculty member of Sari branch of IAU.