

## Friday 19 February

TIME	Event TITLE	Virtual link
8:30-12:00	<b>Parallel Conferences</b> Biotechnology and plant development (In Persian)	<a href="https://vc16.semnan.ac.ir/plant-biology-development-biotechnology-59">https://vc16.semnan.ac.ir/plant-biology-development-biotechnology-59</a>
	Physiology: Neuroscience (In Persian)	<a href="https://vc16.semnan.ac.ir/animal-biology-animal-physiology-62">https://vc16.semnan.ac.ir/animal-biology-animal-physiology-62</a>
	Developmental Biology & Histology: General & Stem Cells (In Persian)	<a href="https://vc16.semnan.ac.ir/animal-biology-development-histology-biotechnology-63">https://vc16.semnan.ac.ir/animal-biology-development-histology-biotechnology-63</a>
	Biophysics (In Persian)	<a href="https://vc16.semnan.ac.ir/cell-molecular-biology-biophysics-69">https://vc16.semnan.ac.ir/cell-molecular-biology-biophysics-69</a>
	Bioinformatics (In Persian)	<a href="https://vc16.semnan.ac.ir/cell-molecular-biology-bioinformatics-70">https://vc16.semnan.ac.ir/cell-molecular-biology-bioinformatics-70</a>
	Animal ecology & biodiversity (In Persian)	<a href="https://vc16.semnan.ac.ir/conservation-environmental-biology-conservation-en-77">https://vc16.semnan.ac.ir/conservation-environmental-biology-conservation-en-77</a>
14:00-16:00	Food Microbiology and Applied Microbiology (In Persian)	<a href="https://vc16.semnan.ac.ir/cell-molecular-biology-biotechnology-food-microbio-75">https://vc16.semnan.ac.ir/cell-molecular-biology-biotechnology-food-microbio-75</a>
	<b>Biology in next years Closing ceremony</b>	<a href="https://vc16.semnan.ac.ir/ibs2020-opening-and-closing-ceremony-opening-and-c-54">https://vc16.semnan.ac.ir/ibs2020-opening-and-closing-ceremony-opening-and-c-54</a>
16:00-18:00	<b>Round Table (UNITWIN-UNESCO)</b>	<a href="https://vc16.semnan.ac.ir/ibs2020-opening-and-closing-ceremony-opening-and-c-54">https://vc16.semnan.ac.ir/ibs2020-opening-and-closing-ceremony-opening-and-c-54</a>

	<b>Plant Biology</b>		<b>Cell and Molecular Biology</b>
	<b>Animal Biology</b>		<b>Environmental Biology</b>

## Congress: Plant Biology

Friday 19 February

<b>TIME</b>	<b>biotechnology</b>	<b>Presenter</b>
<b>8:00-8:30</b>	OMICS approaches	<b>Dr. Alireza Salami</b>
<b>8:30-9:00</b>	Lack of expression of drought microRNAs in the leaves of Narcissus pseudonarcissus L. under drought stress	<i>University of Tehran</i> <b>Maryamalsadat Kamishirazi</b>
<b>9:00-9:20</b>	Expression analysis and genome-wide identification of calcium sensor gene family in Aeluropus littoralis	<i>Azad University, North Tehran Branch</i> <b>Mozhdeh Arab Sari</b>
<b>9:20-9:40</b>	Proteomics of wheat exposed to nano-pesticide	<i>University of Agricultural Sciences and Natural Resources</i> <b>Mahdi Alizadeh</b>
<b>9:40-10:00</b>	Genetic diversity and population structure of Trifolium resupinatum L. using CDDP method	<i>Tabriz University</i> <b>Maryam Haerinasab</b>
		<i>Payame Noor University</i>

## Congress: Plant Biology

Friday 19 February

<b>TIME</b>	<b>Development</b>	<b>Presenter</b>
<b>10:30-11:00</b>	Science of evolution	<b>Pr. Alireza Iranbakhsh</b>  <i>Islamic Azad University</i>
<b>11:00-11:20</b>	Chromosome number report and karyotype analysis of <i>S. litwinowii</i> (Caryophyllaceae)	<b>Fatemeh Abbaszadeh Halabisaz</b>  <i>Payame Noor University of Sari</i>
<b>11:20-11:40</b>	Regeneration of <i>Stevia rebaudiana</i> Bertoni plant in somatic embryogenesis using Multi-walled Carbon Nanotube	<b>Mahsa Aminsalehi</b>  <i>Bu Ali Sina University of Hamadan</i>
<b>11:40-12:00</b>	Root exposures to cadmium: morphological, physiological and embryological consequences in <i>Datura stramonium</i> L.	<b>Zohreh Shirkhani</b>  <i>kharazmi University</i>

## Congress (National (Persian): Animal Biology

Friday 19 February

Time	Physiology	Presenter
8:30-09:00	Prefrontal cortical-hippocampal-amygdala functional loop in memory formation	<b>Dr. Ameneh Rezayof</b> <i>University of Tehran</i>
9:00-09:30	The Comparative Neurophysiology of Sleep in Animal Models: A Methodological Approach	<b>Dr. Mohammad Nami</b> <i>Shiraz University of Medical Sciences</i>
09:30-09:50	The effect of carbamazepine on electrophysiological parameters of seizures during unilateral kindling in the CA1 region of the dorsal hippocampus in adult male rats	<b>Reza Moghaddasi</b> <i>Shahid Chamran University of Ahvaz</i>
9:50-10:10	Oxytocin improves behavioral and molecular abnormalities induced by functional disruption of ....	<b>Dr. Ali Ansari</b> <i>Shahid Beheshti University of Medical Sciences</i>
10:10-10:30	<b>Break Time</b>	

# Congress (National (Persian): Animal Biology

Friday 19 February

10:30-11:00	Role of non-coding RNAs in morphine function	<b>Dr. Shamseddin Ahmadi</b> <i>University of Kurdistan</i>
11:00-11:30	Novel strategy for reduction of morphine...	<b>Dr. Sakineh Alijanpour</b> <i>Gonbad Kavous University</i>
11:50-12:10	Oxytocin improves behavioral and molecular abnormalities induced by functional disruption of mitochondrial complex II enzyme: The role of OXTR in improving depression in male and female rats	<b>Dr.Siamak Yari</b> <i><u>Bu-Ali Sina University</u></i>
12:10-12:30	Chronobiology; Molecular mechanism of cell behavior	<b>Dr. Behnam Rasouli</b> <i><u>Ferdowsi University of Mashhad</u></i>
	<b>Cancer&amp;Animal physiology</b>	
13:00-13:20	Exosome applications in cancer therapy	<b>Dr. Farnoosh Attari</b> <i>University of Tehran</i>
13:20-13:40	Pan-cancer analysis of microRNA expression profiles highlights ...	<b>Dr.Shrif Moradi</b> <i>Royan Institue</i>
13:40-14:00	Effect of alamandine on cardiac contractility, blood pressure and ECG of rats treated with	<b>Ava Soltani Hekmat</b> <i>Fasa University of Medical Sciences</i>

# **Congress (National (Persian): Animal Biology**

**Friday 19 February**

**14:00-14:20**

cardiotoxic agent  
doxorubicin  
The relationship  
between lung injury  
and heart rate  
variability induced by  
hemorrhagic shock: a  
new experimental  
approach

**Fatemeh Khodadadi**

*Shiraz University*

# Congress (National (Persian): Animal Biology

Friday 19 February

Time	Development&Histology	Presenter
08:30-09:00	Royan Kidney Group (RKG): Cells Therapy and Tissue Engineering in	<b>Dr.Reza Moghadasli</b>
09:00-09:30	... Selection of competent oocytes for assisted reproductive technologies	<i>Royan Institue</i> <b>Dr. Azam Dalman</b> <i>Royan Institute</i>
09:30-09:50	An overview of assisted reproductive technology procedures	<b>Dr. Fatemeh Hasani</b> <i>Royan Institute</i>
09:50-10:10	Design and fabrication of microfluidic device to generate gradient concentration of ...	<b>Nikta Ziaie</b> <i>National Institute of Genetic Engineering and Environmental Technology</i>
10:10-10:30	<b>Time Break</b>	
10:30-11:00	Wnt signaling in dopaminergic neuron development and degeneration	<b>Dr. Azita Parvaneh Tafreshi</b> <i>National Institute of Genetic Engineering and Environmental Technology</i>

## Congress (National /Persian): Cell and Molecular Biology

Friday 19 February

Time	Biophysics	Presenter
08:30 – 09:00	Consequences of Simulated Microgravity in Biosystems: Structural Effects and Cellular morphology	<b>Dr. Azadeh Hekmat</b> <i>Islamic Azad University Science and Research Branch</i>
09:00 – 09:20	Benzodiazepine Toxicity Treatment: A Comparative Molecular Docking study of flumazenil and diazepam	<b>Hooman Barati</b> <i>Tehran Medical Sciences, Islamic Azad University</i>
09:20 – 09:40	Effect of D226N point mutation on the structure of the enzyme IMPDH1 in comparison with the wild type	<b>Maryam khaledikia</b> <i>Guilan University</i>
09:40 – 10:00	Evaluation of the advantage of lipase Immobilization on the Amyloid Nano–Biofibrils protein Support using molecular dynamics method	<b>Samira Vaziri</b> <i>Payame Noor University</i>
10:30 – 11:00	Design of antimicrobial and anticancer peptides based on membrane and peptide biophysical properties	<b>Dr. Mahbubeh Zarabi</b> <i>Al-Zahra University</i>
11:00 – 11:30	The Protein Encapsulation in the Modified Chitosan Self-Aggregated Nanoparticles	<b>Dr. Faramarz Mehrnejad</b> <i>Tehran University</i>
11:30 – 11:50	Study of the interaction between new triazole-derived agonists and GABAA receptors	<b>Zohreh Shafiee</b> <i>Kharazmi University</i>



## Congress (National /Persian): Cell and Molecular Biology

Friday 19 February

<b>TIME</b>	<b>Bioinformatics panel</b>	<b>Presenter</b>
<b>08:30 – 09:00</b>	Inquiries about the vaccine design path: The 20-year path	<b>Dr. Mohamadreza Ramezani</b> <i>Imam Hossein University</i>
<b>09:00 – 09:20</b>	Bioinformatics study of new synthesized chromene derivatives bind to $\beta$ -amyloid fibrils	<b>Setayesh Shevidi</b> <i>Alzahra University</i>
<b>09:20 – 09:40</b>	Sequence analysis of Newcastle disease virus isolates in the Middle East from 2010 to 2020	<b>Maryam Barkhordari</b> <i>Kharazmi University</i>
<b>10:30 – 11:00</b>	A computational model of stem cell decision making to maintain tissue homeostasis	<b>Dr. Mehdi Sadeghi</b> <i>National Institute of Genetic Engineering and Biotechnology</i>
<b>11:00 – 11:30</b>	Signaling pathway modeling for systematic study of diseases	<b>Dr. Kaveh Kavousi</b> <i>Tehran University</i>
<b>11:30 – 11:50</b>	Constructing gene regulatory network of cardiomyocytes derived from various Trans-differentiation approaches	<b>Amir Mokhlesi</b> <i>Shahid Beheshti University</i>

## congress (National/Persian): Microbiology

Friday 19 February

Time	Food Microbiology & Biotechnology (in Persian)	Presenter
8:30-8:45	Probiotic	<b>Pro.Mirdamadi</b> <i>(IROST)</i>
8:50 -9:05	Effect of Bacillus coagulance probiotic of Tyrosine Hydroxylase gene expression in Parkinson's male rats	<b>Aras Rafiee</b> <i>Azad University</i>
9:10-9:20	Evaluate oral administration of probiotic isolated from dairy products in mice	<b>Milad Abdollahi</b> <i>Semnan University</i>
9:25-9:40	Investigating bacterial sources for vitamin K2 production	<b>Reyhane Allahpanahi</b> <i>Azad University</i>
9:45-10	Effect of lactobacillus rhamnosus consumption on serum liver enzymes activity in rats with acetaminophen- induced hepatotoxicity	<b>Seyed Ali Alavi</b> <i>Maragheh University</i>
10:15-10: 30	<b>Break Time</b>	
10:35-10:55	Antioxidant and antibacterial properties of silver nanoparticles synthesized by green method using spirulina algae extract	<b>Mona Babakhani</b> <i>Islamic Azad University of Medical Sciences</i>

<b>11:00-11:15</b>	Control of microorganisms in drinking water using biocompatible and biodegradable composite nanofibers based on polyvinyl alcohol/cyclodextrin	<b>Nooshin Sajadi</b>
<b>11:20-11:35</b>	Electricity generation in a microbial fuel cell from dairy industrial wastewater using <i>Shewanella</i> isolated from sediments of the Caspian Sea	<i>Azad University</i> <b>Yasaman</b> <b>Khoshahval</b> <i>Mazandaran</i> <i>University</i>

## congress (national/Persian):Ecology and Plant Biodiversity

Friday 19 February

Time	Ecology and plant biodiversity	Presenter
8:30-8:45	The resulting experience of wildlife management and biodiversity conservation to maintain quality habitat in Semnan province	<b>Dr.Abdos</b>
8:50 -9:05	Biodiversity conservation	<b>Dr.Adib</b>
9:10-9:20	Feasibility study of Kavir National Park habitat in order to re-introduce the Equus hemionus onager	<b>Somayeh Naseri</b> <i>Semnan</i> <i>Department of</i> <i>environment</i>
9:25-9:40	Ecological assessment of Bushehr beaches (OuLi to Kangan) based on IUCN ecological criteria	<b>Hoda Khaledi</b>  <sup>1</sup> ( <i>INIOAS</i> )
9:45-10	Environmental assessment of Amirkelayeh Wildlife refuge using SWOT management analysis model based on ecosystem integrated management plan	<b>Mokaram</b> <b>Ravanbakhsh</b>  <i>Environmental</i> <i>Research Institute</i>
10:15-10: 30		<b>Mr.Salami</b>