

THIRD INTERNATIONAL FASCINATION OF PLANTS DAY IN V. N. KARAZIN KHARKIV NATIONAL UNIVERSITY

This year the Department of Physiology and Biochemistry of Plants and Microorganisms V.N KarazinKharkiv National Universityjoined the initiative toThird International “Fascination of Plants Day”.The responsible persons for carrying out the local events were members of the department: Ph.D. Olga Avksentyeva, Senior Lecturer IrinaRaevskaya, Assistant Julia Popova, graduate student Mary Vasilchenko andundergraduate student ViktoriaShulik. The organizers of the event were the Department of Physiology and Biochemistry of Plants and Microorganisms VN KarazinKharkiv National University

<http://www-plantphysiol-bio.univer.kharkov.ua/New.html>

the regional branch of the Ukrainian Society of Plant Physiologists and Student Scientific Society (SSS) of the department.

The events of the International PlantsDaywhichwere taken place in Kharkiv National University:

19.05.2015 all university visitors were welcomed to attend the exhibition of interesting facts from the life of plants "Plants hit" and the action "Green Planet, a city office ...", during which everybodywere awarded for growing plants and gardening at home.





Photos 1-4. The exhibition "Amazing plants" (interesting facts of plantslife) and the action "Green Planet, the city, the office ..."

The exhibition "Amazing plants" aroused interest not only of biology students, but also students and teachers of other faculties. We were presented amazing facts and photos that show a wide variety and unique species of flora. The example of one of the facts:



Photos 5,6. Excursion to the Botanical Garden.

On 05.20.2013 the quiz "Secret Life of Green Leaf" hooked various people visiting the Faculty during that time. The BBC documentary series demonstrated the interesting aspects of plant life - the daily struggle for survival, which forces them to adapt to extreme conditions. The film reveals the viewer a wonderful and mysterious world of plants previously seemed so familiar!

Demonstration of the film was during breaks between the pairs - individual episodes for 10-15 minutes.

Episodes:

1. Plants travelers.
2. Height.
3. Flowering (Blooming).
4. The struggle for survival.
5. Symbiosis.
6. Survival.

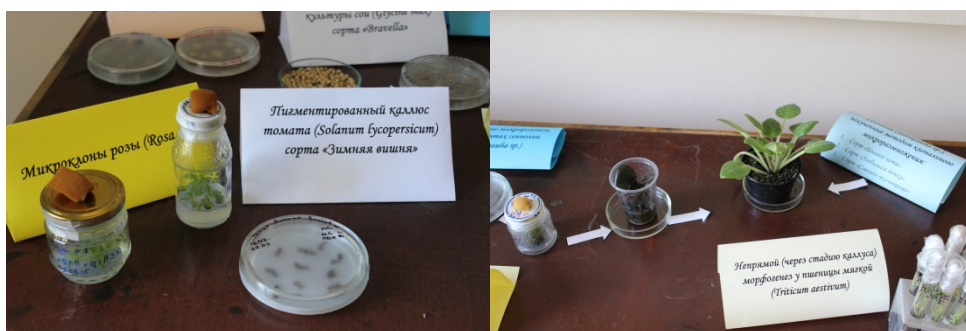
Everyone had the opportunity to see the amazing features of the "secret" of plant life.



Photos 7.8.Collection of films and episodes of the BBC film.

During 20-21.05.2015 visitors, students, teachers and others were able to see the exhibition «Plants in vitro». The visitors could get acquainted with the morphogenic and non-morphogenic plants callus tissue and saw micropropagation stages - from the explants on the nutrient medium to adapted plant on the soil.





Photos 9-11. Exhibition «Plants in vitro».

On 21th May the most inquiring students were invited to attend the lecture "Plants are Saving the Planet" and workshop "Plant Biotechnology for "Dummies" at the laboratory "Morphology of in vitro» Department of Physiology and Biochemistry of Plants and Microorganisms. During workshop students more closely acquainted with the plant biotechnology, its practices and could trained to work with plants and the micropropagation methods themselves. Cauliflower was the object of study. Since it is easily introduced culture in vitro. Initially, students are offered the demonstration of the video workshop of Cauliflower cloning in vitro at the English school (<http://www.saps.org.uk/secondary/teaching-resources/706-micropropagation-cloning-cauliflowers>).



Photos 12,13. Workshop "Plant Biotechnology for Dummies."

Also it was read the lecture-discussion "Why study plants?" And "Plants are saving the planet", which were considered the importance of the study of plants and their role in our lives and the latest new discoveries relating to plants. There were used materials for preparing lectures which posted on www.plantday12.eu.



Photo 14. Lecture-discussion "Plants are Saving the Planet".



Photo 15. Lecture-discussion "Why study plants?"

Such events are very valuable to promote the importance of scientific research in the field of plant biology, to draw attention to the important role of plants in sustainable human development, in order to pay more attention to "advertising" of plants and the people who are studying plant organisms.

We hope that the International Plants Day will become a tradition for students, teachers and scientists of biological faculty of V.N. Karazin Kharkiv National University which annually will attract more and more "plant biology enthusiasts"!