

Summer School "Green Technologies"

From June 16 to 25, 2020, according to the program of the Summer school "Green technologies", organized jointly by the departments of "Biotechnology" (moderator Mutaliyeva B. Zh.) and 'Ecology' (moderated by the head of "Ecology" Department Shingisbayeva Zh.), lecturers from different universities from Kazakhstan, Russia, Spain, Norway, Uzbekistan, Belgium delivered lectures.

Day 2, June 16, 2020: students were able to listen to an interactive lecture delivered by A. S. Kurmanbayeva, a lecturer from Sh. Ualikhanov Kokshetau State University: Introduction to environmental risks. After the lecture, a webinar was organized, and an active discussion was held between the students and the teacher. After the end of the workshop and a 5-minute break, the students met in an online class of lecturers from Tyumen State University I. D. Akhmedova, and L. D. Sulkarnayeva on the topics: "Environmental, social and economic risks of waste disposal", and "SOFTWARE to accompany the risk assessment procedure", which was held in an interactive form, the students received instructions on how they can view the material and tasks on the Google Classroom platform, where lectures, videos and tasks for students are fixed. It should be noted that some teachers used materials of courses developed within the framework of the EduEnvi project " **585761-EPP-1-2017-1-FI-EPPKA2-CBHE-JP** Improving competence in the field of sustainable waste management in higher education institutions of Russia and Kazakhstan / EduEnvi, representatives from partner universities of Sh. Ualikhanov KSU, Kurmanbayeva A. S., Tyumen State University I. D. Akhmedov, and L. D. Sulkarnayeva, O. V. Prituzhalov, E. Pinigina, M. Auezov SKSU Saparbekova A. A. in addition, the project participants from the University of Valladolid, Silvia Bolado and Pedro Garcia, and **urfu named after Them**, were invited to teach at the Summer school. **The First President Of Russia Boris Yeltsin Pabitin S. N.**

летняя школа шымкент [Режим совместности] - Microsoft PowerPoint (Свой активации продукта)

Слайды

Американское Агентство Охраны Окружающей среды (US Environmental Protection Agency - EPA)

Словарь Организации экономического сотрудничества и развития и Международного проекта химической безопасности (Словарь, 1998)

- Риск – есть вероятность повреждения, заболевания или смерти при определенных обстоятельствах
- Риск – вероятность неблагоприятного влияния данного агента в данных обстоятельствах на организм, популяцию или экосистему

06:08:21

585761-EPP-1-2017-1-FI-EPPKA2-CBHE-JP EduEnvi

04:2:09

Day 3, June 17, 2020: O. A. Prituzhalova, Tyumen State University, conducted a master class with the students using materials developed in the framework of the EduEnvi project, with case studies, video lectures, and discussion of the topics "Life cycle assessment and environmental design of products", "Principles of life cycle assessment".

Распределения по группам Летняя школа [Режим ограниченной функциональности] - Word (Сбой активации продукта)

1 Группа-1 Group

1. Негметжанов Бауыржан
2. Lazago
3. Сайдазова Лабар
4. Миркубанова Д.
5. Natalia Сlobanu
6. Алтынбай Асан
7. Алтынбай Усен
8. Виктор Гевод
9. Нурболаткызы Айсуду
10. Панов Н.

2 Группа-2 Group

1. Айберген Сапарбай
2. Бокен Алшбек
3. Гаухар
4. Лаврентева Алпна
5. Бекметова Алпна

On June 18, 2020, there was a continuation of the Summer school for students, where such outstanding scientists as Gekayev M. K. (M. Auezov SKSU), **Harsha Ratnavira, Maletsky District**. In from Norway University of Natural Sciences, Oslo with an interactive lecture on the topic: Trends and **Drivers**, Challenges and Opportunities in Water and Waste Water treatment.

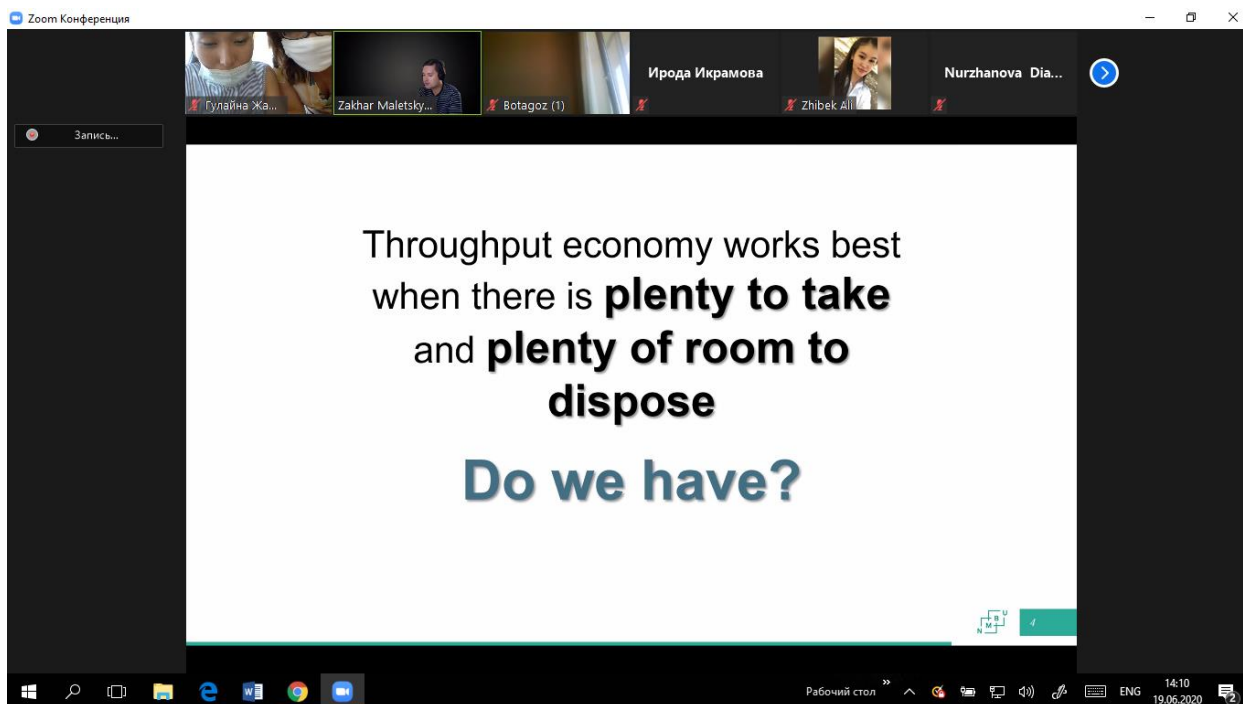
June 19, 2020: a particularly interesting lecture was given on this day by Prof. Pollicina of Ural Federal University. The First President Of Russia B. N. Yeltsin Ural Federal University, Russia (University partner of the project EduEnvi), who gave a lecture on the theme: **Digital innovation**, where he invited 18 their foreign masters, who took an active part together with other students of the prospects of digital technologies, as

well as such interesting topics which affect the minds of many people: about chips, how they work, and what opportunities new technologies offer.



It should be noted that the classes were also held by such young scientists of Auezov SKSU as a senior lecturer of the Department of "Biotechnology" Gauhar Abay, with a very interesting topic that affects the field of her scientific research: The use of hormones in biotechnology of reproduction of farm animals.

June 22, 2020: as usual, the audience took their seats and listened with interest to the lecture given by H. P. Blavatsky. The event was also attended by Professor V. P. Pinigina from Tyumen State University, Russia (Partner University of the EduEnvi project), also involved in sustainable waste management, after which the students were engaged in practical work, which they also handed over to a teacher on the Google Classroom platform.



June 23, 2020:the interactive lecture, delivered by Doctor Niyazova L. from Bukhara Engineering University was very interesting and fascinating: Getting a water-repellent agent on the basis of local raw materials to protect building materials from moisture and salinity. After the lecture, students were given a case study, according to which the students gave their vision of solving problems, showed creative approach and logical thinking.

The image shows a Zoom meeting interface. The main window displays a presentation slide with the following text:

**OBTAINING WATER REPELLENTS
BASED ON LOCAL RAW MATERIALS
TO PROTECT BUILDING MATERIALS
FROM MOISTURE AND SALINITY**

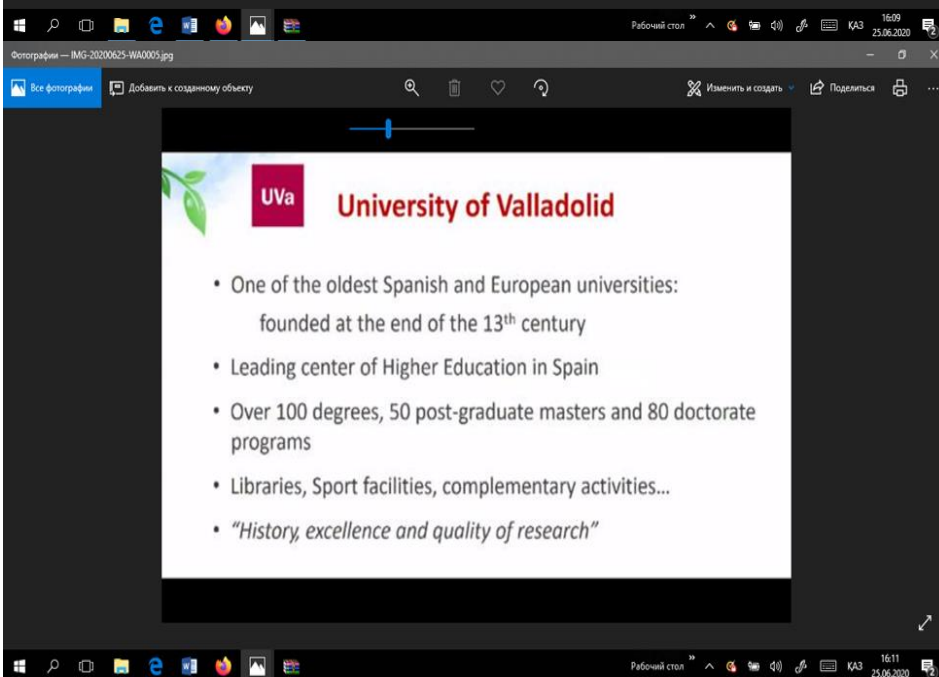
PhD Laziz Nurkhonovich Niyazov
 Medical Chemistry Department of Bukhara State Medical
 Institute named after Abu Ali ibn Sino
 Chemistry Department of Bukhara Engineering-technology
 institute
 E-mail: laziz_niyazov@bsmi.uz
laziznn@mail.ru

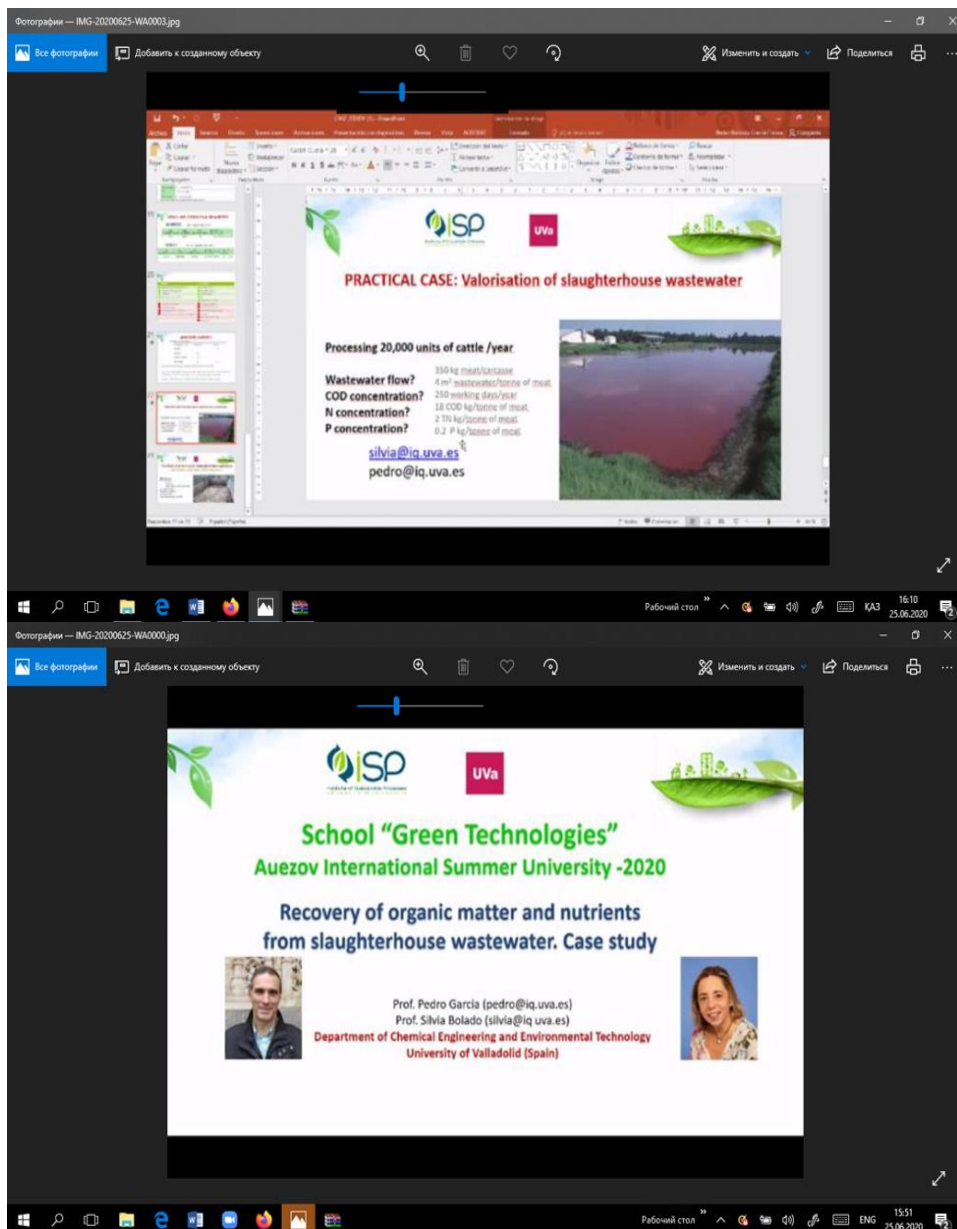
The slide also features a diagram titled "Water-Vapor Permeability" showing two cross-sections of a substrate. The left diagram shows water being absorbed into the pores of a substrate, with the caption "The untreated substrate absorbs water." The right diagram shows water beading on the surface of a substrate after hydrophobic impregnation, with the caption "When a hydrophobic impregnation is applied, the water beads off." Below the diagrams, there is a paragraph of text explaining the mechanism: "Pores with a radius between 0.1 μm and 100 μm exhibit capillary action and result in the natural transportation of water into the building material. This capillary effect can be further intensified by hygroscopic effects. Unlike various film-forming coatings, building materials that have undergone water-repellent treatment retain their breathability, because water-repellent agents based on organosilicon compounds do not block the pores on the surfaces of mineral construction materials. At the same time, water can no longer penetrate in liquid form into capillaries that have been rendered water-repellent, since, as a polar liquid, it is unable to interact with a non-polar, hydrophobic surface. In other words, pores which have been siliconized and are therefore hydrophobic can no longer be wetted by water."

At the bottom of the slide, the text reads: "П3-2017090419 "Development and technology of salt-resistant and moisture-"

The Zoom interface also shows a list of participants on the right side, including: Laziz Niyazov, Nurzhanova Diana, AIBERGEN SAPARBAY, Almira Saparbekova, and Boken Adilbek. The meeting title is "Вы просматриваете экран Laziz Niyazov".

On June 24, 2020, classes were held in accordance with the program of the Summer school "Green technologies", organized jointly by the departments of "Biotechnology" (moderator Mutaliyeva B. Zh.) and "Ecology" (moderated by the head of "Ecology" Department Shyngyshbayev Zh.). It is worth noting the lectures of professors from the University of Valladolid (EduEnvi partner University) Silvia Bolado and Pedro Garcia with a demonstration lesson and the use of the case study method on the topic: Recovery of organic matter and nutrients from slaughterhouse wastewater, as well as a lecturer of Ph. D., associate Professor of the Department of Biotechnology" Saparbekova A. A., M. Auezov SKSU, who delivered a lecture on the topic: Environmental biotechnology as a part of Green technology, using materials developed under the EduEnvi project.





June 25, 2020: And finally, the penultimate day of the Summer school, which was also interesting with the participation of **Darkul Darkul**, Tiyyessova Darkul, IGSCE and A-level Chemistry teacher, Azerbaijan British College, Baku, Professor Nagima Dzhakipbekova and associate Professor Gani Iztleuov from M. Auezov South Kazakhstan State University.

Zoom Конференция

Участники (25)

Найти участника

Гулайна ... (Организатор, р) [иконка] [иконка]

Darkul Tiyessova [иконка] [иконка]

UG Umurbek Gapurov [иконка] [иконка]

AA AIDANA ALPYSBAI [иконка] [иконка]

BM Botagoz Mutaliyeva [иконка] [иконка]

D Diana [иконка] [иконка]

EO Eduard Ogay [иконка] [иконка]

HB Hasan Bahromov [иконка] [иконка]

Madina Bekmetova [иконка] [иконка]

MN Muzaffar Nurashov [иконка] [иконка]

Serik Temirov [иконка] [иконка]

Shyngyskhan Mashanov [иконка] [иконка]

A Асан Алтынбай [иконка] [иконка]

A Аялым Махан [иконка] [иконка]


Пригласить Выкл. весь звук

Запись...

URBAN ECOLOGY

Urban ecology is the scientific study of the relation of living organisms with each other and their surroundings in the context of an urban environment.

The urban environment refers to environments dominated by high-density residential and commercial buildings, paved surfaces, and other urban-related factors that create a unique landscape dissimilar to most previously studied environments in the field of ecology.



Рабочий стол 14:14 25.06.2020

Вы просматриваете экран Darkul Tiyessova

Настройте просмотр

Участники (31)

Найти участника

BM Botagoz Mutaliyeva (Р) [иконка] [иконка]

F Гулайна Жа... (Организатор) [иконка] [иконка]

Darkul Tiyessova [иконка] [иконка]

AA AIDANA ALPYSBAI [иконка] [иконка]

Bauyrzhan Negmetzhanov [иконка] [иконка]

BA Boken Adilbek [иконка] [иконка]

D Diana [иконка] [иконка]

EO Eduard Ogay [иконка] [иконка]

HB Hasan Bahromov [иконка] [иконка]

KK Konstantin Kim [иконка] [иконка]

L Laziz Niyazov [иконка] [иконка]

Madina Bekmetova [иконка] [иконка]

MN Muzaffar Nurashov [иконка] [иконка]

Serik Temirov [иконка] [иконка]

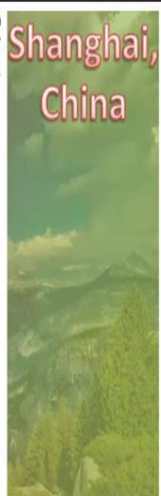
Пригласить Включить свой звук Поднять руку

Botagoz Mutali... Гулайна Жаман... AIDANA ALPYS... Darkul Tiyessova Жабарова Т...

Запись

China is one of the "megadiversity" countries with over 30,000 species of higher plants and 6347 species of vertebrates, including numerous endemic species and relict species.

Shanghai, China



Включить звук Включить видео Участники Чат Демонстрация экрана Запись Реакции Выйти

14:19 25.06.2020

Вы просматриваете экран Джамильбекова Нагма

Участники (31)

Найти участника

- BM Botagoz Mutaliyeva (R)
- F Гулайна Жа... (Организатор)
- A Джамильбекова Нагма
- BA Bolen Adilbek
- Darful Tjessova

Пригласить Включить свой звук Поднять руку

Групповой чат Zoom

вопросов нет спасибо

От Шер Мухаммад Калмади кому Все: thank you for your lection)

От Madina Bekmetova кому Все: thank you sm!

От Umurbek Gariyov кому Все: thank you for your lecture , it was very interesting !

Комм: Все Файл

Введите здесь сообщение...

Включить звук Включить видео Участники Чат Демонстрация экрана Запись Реакции Выйти

14:50 25.06.2020

Вы просматриваете экран Гани Итлеуов

Участники (25)

Найти участника

- BM Botagoz Mutaliyeva (R)
- F Гулайна Жа... (Организатор)
- Гани Итлеуов
- Лобар Сайдазова
- Darful Tjessova

Пригласить Включить свой звук Поднять руку

Групповой чат Zoom

thank you for your lection)

От Madina Bekmetova кому Все: thank you sm!

От Umurbek Gariyov кому Все: thank you for your lecture , it was very interesting !

От Hasan Bahromov кому Все: Спасибо

Комм: Все Файл

Введите здесь сообщение...

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN
M.AUEZOV SOUTH KAZAKHSTAN STATE UNIVERSITY

The phenomenon of post-electrolysis dissolution of titanium waste in aqueous solutions

Candidate of chemical science
Associate professor
Itzleuov G.M.

Включить звук Включить видео Участники Чат Демонстрация экрана Запись Реакции Выйти

15:21 25.06.2020