

ВАЗОРАТИ МАОРИФ ВА ИЛМИ ҶУМҲУРИИ ТОҶИКИСТОН
ВАЗОРАТИ САНОАТ ВА ТЕХНОЛОГИЯҲОИ НАВИ ҶУМҲУРИИ
ТОҶИКИСТОН
ДОНИШКАДАИ ТЕХНОЛОГИЯ ВА МЕНЕҶМЕНТИ ИННОВАТСИОНӢ
ДАР ШАҲРИ КӢЛОБ
МИНИСТЕРСТВО ОБРАЗОВАНИЯ И НАУКИ РЕСПУБЛИКИ
ТАДЖИКИСТАН
МИНИСТЕРСТВО ПРОМЫШЛЕННОСТИ И НОВЫХ ТЕХНОЛОГИЙ
РЕСПУБЛИКИ ТАДЖИКИСТАН
ИНСТИТУТ ТЕХНОЛОГИЙ И ИННОВАЦИОННОГО МЕНЕДЖМЕНТА В
ГОРОДЕ КУЛЯБ

ҚИСМИ 1 – ЧАСТЬ 1



МАВОДИ

Конференсияи илмӣ-амалии байналмилалӣ дар мавзуи
**«Рушди тафаккури техникӣ, экологӣ ва нерӯи зеҳнӣ дар ташаккул ва
пешрафти соҳаҳои гуногуни саноати кишварҳо»**, бахшида ба эълон
намудани солҳои 2022-2026 ҳамчун солҳои рушди саноат дар Ҷумҳурии
Тоҷикистон ва 20 солаи омӯзиш ва рушди фанҳои табиатшиносӣ, риёзӣ ва
дақиқ барои солҳои 2020-2040 (**25-26 октябри соли 2024**)

МАТЕРИАЛЫ

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Маводи Конференсияи илмӣ-амалии байналмилалӣ дар мавзӯи «**Рушди тафаккури техникӣ, экологӣ ва нерӯи зеҳнӣ дар ташаккул ва пешрафти соҳаҳои гуногуни саноати кишварҳо**», дар ҳошияи амалишавии ҳадафҳои стратегии мамлакат ва 20 солаи омӯзиш ва рушди фанҳои табиатшиносӣ, риёзӣ ва дақиқ барои солҳои 2020-2040, ки 25-26 октябри соли 2024 дар донишқада баргузор гардид, фарогири проблемҳои имрӯзаи Тоҷикистон ва ҷаҳон мебошад.

Мураттибон ва ҳайати таҳриргарон маводҳои ба самти конференсия мувофиқро вобаста ба талаботҳои муқарраргардида дар маҷмаа ба ҷоп тавсия намудаанд, лекин, баъзан фикр ва хулосаҳои дар маҷмаа омада ба масъалаҳои конференсия мувофиқ наомаданаҳ мумкин аст. Аз ин лиҳоз саҳеҳияти муҳтавои илмӣ, мазмун, далел ва дигар нобаробарии мавод ба зимаи муаллифони мақолаҳо гузошта мешавад.

Ҳайатим тадорукот.

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ZINC-ALUMINUM ALLOYS Zn5Al and Zn22Al, ALLOYED WITH CHROMIUM

Zinc-aluminum alloys as protective coatings for structures, products, and structures requires studying the effect of various additives in such alloys on their corrosion resistance in various environments. The article presents the results of a potentiodynamic study of the corrosion-electrochemical behavior of Zn5Al and Zn22Al alloys doped with chromium in various electrolytes.

Keywords: zinc, aluminum, alloys Zn5Al and Zn22Al, alloying.

PREPARATION OF SAMPLE BIOPREPARATIONS AND THEIR ECONOMIC INDICATORS

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During the research, the effect of the biopreparation prepared on the basis of the cultures of *B.braunii*-AnDI-115 and *Ch.infusionum*-AnDI-76, grown together, on seed germination was studied under production conditions. Experiments on the implementation of the first model biopreparation were carried out at the farm "Sayfillo Bobo Zirabot" in Bukhara District, Bukhara Region. In the research, the biological efficiency of the biopreparation "Algobiostim" prepared on the basis of microalgae for the growth and development of the mid-ripe Bukhara-10 variety of cotton was studied based on the production experience.

The following were considered as production conditions. The object of the experiment is the sample "Algobiostim" prepared on the basis of strains *B.braunii*-AnDI-115 and *Ch.infusionum*-AnDI-76, grown in the nutrient medium of microalgae CHu-13, medium-ripe cotton variety Bukhara-10. biopreparati (designated name). The biopreparation was applied in the amount of 4.0-4.5 l/ha (30 billion cells/ml) per hectare.

Experimental works were carried out in the 1st section of the farm "Saifillo Bobo Zirabot" on an area of 2.0 hectares. As a control, an area of 0.5 ha was allocated and this area was not treated. An area of 0.5 ha was allocated as a template. The sample variant was treated with Serhosil biopreparation (2.5 l/ha, "Agro natural life" LLC, Uzbekistan).

Cotton seedlings were treated three times when the first 4-5 true leaves were formed, at the stage of budding and entering the crop by spraying liquid from the leaf. The experiment was carried out by counting the biometric parameters of seedlings every 10 days. 4.0/4.5 liters of sample biopreparation was mixed with 300 l of water.

According to the results of the conducted experiment, the biological efficiency of the biopreparation "Algobiostim" participating in the experimental option was determined when applied at the rate of 4.0 l per hectare, compared to the control and model options. According to the obtained results, the biometric parameters of the untreated seedlings in the 0.5 ha area planted with the mid-ripe Bukhara-8 cotton variety are compared to the experimental version, the level of the leaves, the results of visual control of the development of the seedlings, the length of the root of the seedlings and the amount of chlorophylls in the leaves. It was noted that the biological efficiency is 56.31%, which is 32.84% less than the experiment.

It was noted that the biological efficiency of the experimental variant was 89.15%, and the biological efficiency of the model variant was 94.46%, which is 5.31% higher than the experimental variant. It was noted that when the biopreparation in the experimental version was used at the rate of 4.5 l/ha, the biological efficiency was 93.23%, and in the model version, the biological efficiency was 94.87%. So, compared to the experimental version, the model version was found to be 1.64% higher.

It was observed that the biological efficiency of the experimental variant was higher by 19.86% compared to the untreated variant (73.37%). According to the results obtained during the research, traditional agrotechnologies were used, but compared to the untreated control option, in the experimental option, where traditional agrotechnologies were used and 4.0 l of

Algobiostim biopreparation per hectare was used, 3.11 s/ha if an additional yield was obtained, an additional yield of 4.68 s/ha was achieved in the experimental version where the biopreparation "Algobiostim" was used at 4.5 l per hectare.

An additional 4.96 s/ha was obtained from the fields treated with Serhosil biopreparation (2.5 l/ha, "Agro natural life" LLC, Uzbekistan) used as a template.

According to the results obtained during the research, traditional agrotechnologies were used in the care of cotton seedlings, but compared to the untreated control variant, traditional agrotechnologies were used and "Algobiostim" and "Serhosil" (2.5 l /ha, "Agro natural life" LLC, Uzbekistan) the general development of seedlings in the cotton fields treated with biopreparations, differences in the chlorophyll retention indicators of the leaves were noted.

Therefore, it was noted that the application of microbiological biopreparations to the leaves is important for stimulating the growth of plants. Also, during the experiments, it was noted that the liquid form of the biopreparation "Algobiostim" is easy to use, it has the property of effective biostimulation in the growth of plants, and it can also be highly effective against microbiological diseases.

Also, in order to study the effectiveness of the created biopreparation, studies were conducted at the "IGX Zirabot" farm, located in the Bukhara district, Bukhara region, to confirm the initial data. According to the results of the conducted experiment, the biological efficiency of the biopreparation "Algobiostim" participating in the experimental option was determined when applied at the rate of 4.0 l per hectare, compared to the control and model options.

According to the obtained results, the biometric parameters of the untreated seedlings in the 0.5 ha area where the mid-ripe Bukhara-8 cotton variety was planted were compared to the experimental option, the level of the leaves, the results of visual control of the development of the seedlings, the length of the root of the seedlings and the amount of chlorophyll in the leaves. It was noted that the biological efficiency is 50.20%, which is 36.22% less than the experiment.

It was noted that the biological efficiency of the experimental variant was 86.42%, and the biological efficiency of the model variant was 93.24%, which is 6.82% higher than the experimental variant. It was noted that when the biopreparation in the experimental version was used at the rate of 4.5 l/ha, the biological efficiency was 92.18%, and in the model version, the biological efficiency was 94.31%. So, compared to the experimental version, the model version was found to be 2.13% higher. It was observed that the biological efficiency of the experimental variant was higher by 20.66% compared to the untreated variant (72.14%).

According to the results obtained during the research, traditional agrotechnologies were used, but compared to the untreated control option, in the experimental option, where traditional agrotechnologies were used and 4.0 l of Algobiostim biopreparation per hectare was used, 2.38 s/ha if an additional yield was obtained, an additional yield of 3.16 s/ha was achieved in the experimental version where the biopreparation "Algobiostim" was applied at 4.5 l per hectare. An additional 4.83 s/ha was obtained from the fields treated with Serhosil biopreparation (2.5 l/ha, "Agro natural life" LLC, Uzbekistan) used as a template.

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PREPARATION OF SAMPLE BIOPREPARATIONS AND THEIR ECONOMIC INDICATORS

In the article, experiments on the introduction of a sample biopreparation prepared on the basis of *B.braunii*-AnDI-115 and *Ch.infusum*-AnDI-76 cultures, which were grown together during research, were carried out at the farm "Sayfillo Bobo Zirabot" in Bukhara District, Bukhara Region. In the studies, the experience of production of the biopreparation "Algobiostim" prepared on the basis of microalgae for the growth and development of the mid-ripe Bukhara-10 variety of cotton was shown.

ПРИГОТОВЛЕНИЕ ОБРАЗЦОВ БИОПРЕПАРАТОВ И ИХ ЭКОНОМИЧЕСКИЕ ПОКАЗАТЕЛИ

В статье в фермерском хозяйстве «Сайфилло Бобо» проведены эксперименты по внесению образцового биопрепарата, приготовленного на основе культур *B.braunii*-AnDI-115 и *Ch.infusum*-AnDI-76, выращенных вместе в ходе исследований. Зиработ» в Бухарском районе Бухарской области. В исследованиях показан опыт производства биопрепарата «Алгобиостим», приготовленного на основе микроводорослей, для роста и развития среднеспелого сорта хлопчатника Бухара-10.

GLIKOKARNING SIYDIK CHIQRISHGA VA MARKAZIY ASAB TIZIMIGA TA'SIRINI O'RGANISH

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Kirish: Ikkinchi toifa qandli diabet insulin qarshiligi va giperglikemiya bilan tavsiflangan eng keng tarqalgan surunkali kasalliklardan biridir. So'nggi o'n yilliklarda qandli diabetning ushbu turi bilan kasallanishning barqaror o'sishi kuzatilmoqda, bu turmush tarzining o'zgarishi, ortiqcha vaznli odamlar sonining ko'payishi va ovqatlanish odatlarining

	ПРОМЫШЛЕННОСТИ РЕСПУБЛИКИ ТАДЖИКИСТАН	
21.	Раджабов С.М. - ПУТИ ПОВЫШЕНИЯ УРОЖАЙНОСТИ СЕЛЬСКОХОЗЯЙСТВЕННЫХ КУЛЬТУР	137
22.	Раҷабов С.М. – РУШДИ БОСУРЪАТИ САНОАТИ ТОҶИКИСТОН ДАР МИСОЛИ ШАҲРИ ДУШАНБЕ ДАР ДАВРОНИ ИСТИҚЛОЛИЯТ	140
23.	Саидзода Р.А., Гавҳарбии Д., Шокирова Г. - МАҲСУЛНОКИИ НАВЪҲОИ ОЯНДАДОРИ ЛУБИЁ ВОБАСТА АЗ УСУЛҲОИ ПАРВАРИШ ДАР ШАРОИТИ МИНТАҚАИ КҶЛОБИ ВИЛОЯТИ ХАТЛОН	143
24.	Шамсов А. Н., Набиев Р. Н. - ТЕХНОЛОГИИ МАШИНОСТРОЕНИЯ	148
25.	Гулов И.А., Нематов К.К. - ИҚТИСОД ВА ПЕШРАФТИ СОҲАИ САНОАТИ НАССОҶИ ДАР МИНТАҚАИ КҶЛОБ	150
26.	Акимов С.М. - ВАЗЪИ РАҚОБАТПАЗИРИИ КОРХОНАҲОИ САНОАТИ ХҶРОКВОРӢ ВА КОРКАРДИ КОМПЛЕКСИ АГРОСАНОАТИИ ВИЛОЯТИ ХАТЛОН ВА РОҲҲОИ БАЛАНД БАРДОШТАНИ ОН	153
27.	Раҳмонова Ҷ.А.- ТАВСИФ ВА ХУСУСИЯТИ МАҲСУЛОТИ ҒИЗОИИ ФУНКЦИОНАЛӢ ДАР РУШДИ САНОАТИ ХҶРОКА	157
28.	Султанова Ш.А., Раҳманова Т.Т., Сафаров Ж.Э. - АНАЛИЗ АНТИОКСИДАНТНОЙ АКТИВНОСТИ СУШЕНЫХ ПЛОДОВ ШИПОВНИКА	163
29.	Рауфова Ш.М. - СОВРЕМЕННЫЕ ПРИОРИТЕТЫ ОТРОСЛИ КОЗОВОДСТВА В ВЫСОКОГОРНЫХ РАЙОНАХ ТАДЖИКИСТАНА (НА МАТЕРИАЛАХ СЕВЕРНЫХ РЕГИОНОВ)	167
30.	Ҳакимов Г.К., Зухуров Ш.С. - ПЕРЕРАБОТКА ФРУКТОВ В РЕСПУБЛИКЕ ТАДЖИКИСТАН: БАРЬЕРЫ И ПЕРСПЕКТИВЫ	170

БАҲШИ 3. РУШДИ ТЕХНОЛОГИЯҲОИ ИННОВАТСИОНӢ ДАР САНОАТИ ХИМИЯ ВА КИШОВАРЗӢ

СЕКЦИЯ 3. РАЗВИТИЕ ИННОВАЦИОННЫХ ТЕХНОЛОГИЙ В ХИМИЧЕСКОЙ И СЕЛЬСКОХОЗЯЙСТВЕННОЙ ПРОМЫШЛЕННОСТИ

№	Номгӯи маводҳо ва муаллифони	Саҳ.
1.	А. Н. Шоҳиён, Ф. А. Раҳимов, И. Б. Ҳакимов, З. Р. Обидов - ТЕМПЕРАТУРНУЮ ЗАВИСИМОСТЬ ТЕПЛОЁМКОСТИ ЦИНК-АЛЮМИНИЕВОГО СПЛАВА Zn5Al	177
2.	А. Н. Шоҳиён, Ф. А. Раҳимов, И. Б. Ҳакимов, З. Р. Обидов - КИНЕТИКА ОКИСЛЕНИЯ ЦИНК-АЛЮМИНИЕВЫЕ СПЛАВА Zn22Al, ЛЕГИРОВАННОГО ХРОМОМ, В ТВЁРДОМ СОСТОЯНИИ	180
3.	А. Н. Шоҳиён, Ф. А. Раҳимов, И. Б. Ҳакимов, З. Р. Обидов – ЦИНК-АЛЮМИНИЕВЫХ СПЛАВОВ Zn5Al и Zn22Al, ЛЕГИРОВАНИЕМ ХРОМОМ	183
4.	Muhayo Bafoevna Tagaeva - PREPARATION OF SAMPLE BIOPREPARATIONS AND THEIR ECONOMIC INDICATORS	186
5.	N. B. Shonazarova, Z. T. Fayziyeva - GLIKOKARNING SIYDIK CHIQARISHGA VA MARKAZIY ASAB TIZIMIGA TA'SIRINI O'RGANISH	188
6.	R. G. Khaydarov - THE TECHNOLOGICAL PERFORMANCE CO ₂ IN SUPERCRITICAL FLUIDS STATE	192
7.	Ҳакимов Ҷ. С., Одинаев С. Х. - ИСТИФОДАБАРИИ КИСЛОТАҲОИ ОРГАНИКӢ ВА ДИГАР МОДДАҲОИ КИМИЁВӢ ҲАНГОМИ ТАӢЁР НАМУДАНИ СИЛОС	197
8.	Окилов Ш. Ш., Ганиев И. Н., Ходжаназаров Х. М., Азизова Д. К. -	200