

Yashil

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08.00.03 Sanoat iqtisodiyoti
08.00.04 Qishloq xo'jaligi iqtisodiyoti
08.00.05 Xizmat ko'rsatish tarmoqlari iqtisodiyoti
08.00.06 Ekonometrika va statistika
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08.00.08 Buxgalteriya hisobi, iqtisodiy tahlil va audit
08.00.09 Jahon iqtisodiyoti

08.00.10 Demografiya. Mehnat iqtisodiyoti
08.00.11 Marketing
08.00.12 Mintaqaviy iqtisodiyot
08.00.13 Menejment
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08.00.15 Tadbirkorlik va kichik biznes iqtisodiyoti
08.00.16 Raqamli iqtisodiyot va xalqaro raqamli integratsiya
08.00.17 Turizm va mehmonxona faoliyati



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Bosh muharrir:
Sharipov Qo'ng'irotboy Avezimbetovich

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Bosh muharrir o'rinbosari:
Karimov Norboy G'aniyevich

Muharrir:
Qurbonov Sherzod Ismatillayevich

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MUNDARIJA

Sanoat korxonalarida energiyadan foydalanish samaradorligini oshirishning asosiy yo'nalishlari	6
Buzrukxonov Sardorxon Sarvarxon o'g'li , mustaqil izlanuvchi	
Klasterlarni rivojlantirishda fermer xo'jaliklarining strategik boshqaruvi	11
Karimova Nilufar , tayanch doktorant	
Application of Information and Communication Technology to Promote Economic Development of Tourism Services in Uzbekistan	16
Peng Xinge , PhD Researcher	
O'zbekistonda qayta tiklanuvchi energiya manbalaridan samarali foydalanishning asosiy yo'nalishlari	21
Xotamov Ibodulla Sadullayevich , i.f.n., professor, Najmiddinov Yakhyo Fazliddin o'g'li , kafedra assistenti	
Suv ta'minot korxonalarida biznes jarayonlari bo'yicha boshqaruv hisobi tizimida hisob yuritishning xususiyatlari	28
Saidakbarov Xusniddin Abdusalomovich , PhD, katta o'qituvchi	
O'zbekiston ichki oziq-ovqat tovarlari bozorini to'ldirishning o'ziga xos xususiyatlari	31
Azlarova Munira Muhammad Amin qizi , tadqiqotchi	
Assessing the Implementation of Sustainable Practices in Higher Education Institutions to Drive the Transition towards a Green Economy: A Management Perspective	40
Kuzikulova Dilfuza	
Qualitative functional development in industrial production	49
Ziyayeva Mukhtasar Mansurdjanovna , TSUE, DSc, assistant professor	
Temir yo'l transportini mahalliyashtirishni moliyalashtirish mexanizmning hozirgi holati	54
Xamrayev Djamshid Panjiyevich , mustaqil tadqiqotchi	
Enhancing Education Management for Green Development in Engineering Programs: Strategies, Challenges, and Outcomes	61
Eshbayev Oybek , Department of English Language	
Exploring the Role of Effective Management Practices in Achieving a Sustainable Green Economy	68
Rozikov Ravshan , Department of English Language	
Enhancing Vocational Competence of Future Economists through English Language Lessons in the Context of the Green Economy	76
Kurbanova Nigina , Department of English Language	
Empirical test of regional economic innovation and development along the Belt and Road	85
Kalonov Mukhiddin Bahritdinovich , professor	
Shao Junling , PhD student, researcher	
Analysis of the Impact of Cross border Investment and International Economic Integration	90
Zhao shenghan	
Yashil iqtisodiyotni moliyalashtirishda bank moliya texnologiyalarining ahamiyati	96
Abduraximova Dilora Karimovna , PhD	
Rivojlangan mamlakatlarda bilimlar iqtisodiyoti konsepsiyasidan samarali foydalanish yo'nalishlari	101
Xasanxonova Nodira Isametdinovna , PhD	
Biznes inkubator orqali kichik biznes va xususiy tadbirkorlik subyektlarini shakllantirishda "yashil logistika" tamoyillaridan foydalanish	107
Narzullayev Shodiyor Eshpulatovich , kafedra assistenti	
Innovatsion faoliyatning asosi – intellektual salohiyat	112
Kaxorova Anora Nusratovna , kafedra assistenti	
Ijro hokimiyati organlari faoliyatini baholash mezonlari tushunchasi va turlari	118
Qahramon Usmanovich Umidullayev , yuridik fanlar bo'yicha falsafa doktori (PhD)	
Temir yo'l transportida mahalliyashtirishni moliyalashtirishning huquqiy asoslari	124
Xamrayev Djamshid Panjiyevich , mustaqil tadqiqotchisi	
Moliyaviy hisobotning xalqaro standartlari bo'yicha moliyaviy hisobot: tayyorlash va avtomatlashtirish	129
Tulayev Mirzakul Salamovich , dotsent	
O'zbekistonda kichik tadbirkorlikni rivojlantirishning samarali yo'llari	133
Sh. B. Babayev , dotsent; M. R. Qulmetov , dotsent	
Sug'urta kompaniyalari to'lov qobiliyatini kengaytirish yo'nalishlari	138
G'aniyev Shahriddin Vohidovich , professor, i. f. d. (DsC), Qarshiyev Daniyar Eshpulatovich , i. f. d. (PhD)	
Повышении роли цифровой трансформации банков в современном этапе развития экономики	144
Жиянова Наргиза Эсанбоена , к.э.н., проф., Азимжонова Малика Шавкат қизи , специалист первой категории	



To'qimachilik korxonalariida tejamkor ishlab chiqarishni tashkil etishda mehnat resurslari va ishlab chiqarish quvvatlaridan foydalanish samaradorligi	150
Yaxyayeva Inobat Karimovna , dotsent, PhD	
Liquidity and recent changes of government securities market in the United States, the United Kingdom and Japan.....	154
Kholikov Khamidulla Vaydulla ugli	
“История экономических учений” как основная дисциплина в подготовке конкурентоспособных кадров экономистов	160
Хакимов Назар Хакимович , доктор философских наук, профессор	
The importance of strategic management and strategic leadership	166
Reyimberdiyev Baburbek Adilbek o'g'li	
Exploring the Role of Higher Education in Fostering Green Economy Transition: A Systematic Analysis of Curriculum Integration and Skill Development.....	170
Xasanova Zarina , Department of English Language	
Inson kapitalini joriy etish tizimi va xodimlar daromadi o'rtasidagi o'zaro ta'sir tahlili.....	178
M. O. Hamroqulov , katta o'qituvchi	
Yetuk mutaxassis tayyorlash – kelajak uchun sarmoya.....	185
Farhod Bagibekovich Xalimbetov	
Analysis of new established and liquidated enterprises as a basis for jobs (On the example of Samarkand region)	188
Saidov Nurali Rakhimovich	
Basing and forecasting the priorities of introducing innovative medical services in Khorezm region.	193
S. M. Rakhimova	
Оптимизации операционной стратегии и повышение экономического потенциала хлопково-текстильных кластеров	197
Джурабаев Отабек Джурабаевич , доцент	
Soliq to'g'risidagi qonunlarni buzganlik uchun yuridik javobgarlikka tortishning huquqiy asoslari	204
Hakimov Feruz Xurshid o'g'li , talaba	
Hayot sug'urtasining rivojlanishi va uning ijtimoiy hayotdagi o'rni	207
Baratova Dinora Alisherovna , katta o'qituvchisi	
Edge Computing texnologiyalari	213
Qulmatova S. , PhD, katta o'qituvchi; Karimov Botir , katta o'qituvchi	
Aksiyadorlik kapitalida davlat ulushini qisqartirish va xususiylashtirish holati	218
Mamatov Bahromjon Shavkatovich , PhD, dotsent	
Xususiyl maktablarning ijobiy imijini shakllantirishning nazariy jihatlar.....	223
Odilova Sitara Sayfitdin qizi , katta o'qituvchi	
Tomorqa xo'jaliklarida oziq-ovqat mahsulotlari yetishtirish hajmining prognoz ko'rsatkichlari	228
Saydullayeva Fotima Jozilovna , assistent	
O'zbekiston sug'urta bozori rivojlanishining o'ziga xos xususiyati.....	235
Xasanov Xayrulla Nasrullayevich	
O'zbekiston yoshlarida volontyorlik faoliyatini rivojlantirishning ijtimoiy-siyosiy va huquqiy mexanizmlari: jahon va mahalliy tajriba	241
Qudratov Anvarmirzo Murodillayevich , siyosiy fanlar bo'yicha falsafa doktori (PhD)	
Культурологический аспект преподавания русскоязычной литературы Казахстана в ВУЗе	247
Оспан Айзада Бейсенқызы , докторант 2 курса	
Tijorat banklarida kreditlash riskini boshqarish holati tahlili.....	251
Mirzoyev Feruz Mamurjonovich , mustaqil izlanuvchi	
Tijorat banklari aktivlarini diversifikatsiyalashning zamonaviy holati va tendensiyalari.....	259
Abdualim Abdujabbor o'g'li Abdurazzoqov , mustaqil tadqiqotchi	
Significance and prospects of using economic-mathematical models in analysis of our country's economic growth	267
Rasulov Jamshid Shokir o'g'li	
Bank daromadlilik ko'rsatkichlariga makroiqtisodiy omillar ta'siri.....	274
Madraimov Xabibulla Madaminovich , assistent o'qituvchi	
Xizmat ko'rsatish sohasini rivojlantirishning ilmiy konsepsiyalari	282
Mamatov Mamajan Axmadjonovich , i.f.n., dotsent	
Qishloq xo'jalik mahsulotlari ishlab chiqarishni rivojlantirishning makroiqtisodiy barqarorligini ta'minlash	288
Ergashova Nargiza Boboxonovna , talaba	

Budjet-soliq va pul-kredit siyosatini muvofiqlashtirishning nazariy yondashuvlari	296
Hakimjon Hakimov , tadqiqotchi	
Innovatsion-brokerlik faoliyatini rivojlantirishda moliyaviy injiniringni ahamiyatini oshirish istiqbollari	301
Saipnazarov Sherbek Shaylavbekovich , dotsent	
O'zbekistonda inson kapitalini rivojlantirishda ta'lim xizmatlari bozorining ahamiyati	306
Babadjanova Malika Ruzimovna , assistent o'qituvchi	
O'zbekiston sug'urtalovchilarining moliyaviy barqarorligini ta'minlashda qayta sug'urtaning roli	312
Kamilov Baxramjon Umardjonovich	
Shaxs ma'naviy-axloqiy tarbiyasi hamisha muhim.....	317
Bekdavlat Aliyev , professor, falsafa fanlari doktori	
Jismoniy shaxslar daromadini soliqqa tortishning zamonaviy tendensiyalari	321
O. T. Nurmatov , PhD	
Milliy mahsulotning mazmuni, tarkibiy qismlari va harakat shakllarini tadqiq qilishning nazariy-uslubiy asoslari.....	327
Abdullayev Suyun Artiqovich , O'zbekiston jahon tillari universiteti prorektori	
O'zbekiston Respublikasidagi yirik tijorat banklari kreditlash amaliyotining ekonometrik tahlil va natijalari.....	335
Kaxxarov Ulug'bek Xalmatovich , mustaqil izlanuvchi	
Aksiyadorlik jamiyatlari faoliyatda ichki nazorat va auditning xususiyatlari.....	346
Saidaxmedova Aida Mirzayevna , katta o'qituvchi	
Yangi O'zbekistonda yog'-moy korxonalari personalini boshqarishni takomillashtirish.....	352
D. A. Azlarova , PhD	
The Intersection of Sustainability and Economic Development: Balancing Environment and Business Needs	360
Kholikova Rukhsora Sanjarovna , PhD, Izzatulloev Bakhodir Ubaydullo ugli , student	
Davlat-xususiy sheriklikni tashkil etishning huquqiy-institutsional mexanizmlari	364
Zuhra Abdikarimova , tayanch doktorant	
Zamonaviy portfel nazariyasi asosida samarali portfelni shakllantirish.....	370
Sindarov Fazliddin Qahramonovich , kafedra assistenti	
Iste'molchilarning qandolat mahsulotlariga bo'lgan talablarini raqamli platformalar orqali tadqiq qilish yo'llari	376
To'ychiyeva Vasila Faxriddin qizi , assistent	
Investitsiya muhiti va faoliyati natijalarini baholash uslublari.....	381
B. K. Tuxliyev , professor	
Sanoat korxonalarida resurslar salohiyatini tizimli tahlil qilish – korxonalarining iqtisodiy barqarorligini ta'minlash omili sifatida.....	386
Madraximova Gulasal Ro'zimboy qizi , PhD	
Mintaqada kichik biznes va xususiy tadbirkorlik rivojlanishi tahlili (Xorazm viloyati misolida).....	391
Aminboy Sa'dullayev , i.f.n., dotsent, Dilshod Vaisov , magistr, Farhod Egamberganov , magistr	
Xizmatlar ko'rsatish korxonalarini soliqqa tortish amaliyoti va uni takomillashtirish.....	397
Pardayev Jamshid Muzaffarovich , tadqiqotchi	
Asosiy kapitalga yo'naltirilgan investitsiyalar: yutuqlar, kamchiliklar va yechimlari.....	403
Muxitdinova Kamola Alisherovna , PhD	
Directions of attracting foreign capital and specific characteristics of the eurobond transaction.....	407
Gafurov Olimjon , teacher, Kholmuminov Humoyun , teacher, Abrueva Sevinch , student,	
Формирование международных систем бухгалтерского учета в условиях глобализации экономики	411
Ф. Т. Абдувахидов , доцент, А. Ю. Нурмухаммедов , доцент	
Qishloqda turizmni tashkil etishning mamlakatimiz taraqqiyotiga ta'siri	417
Jo'rayeva Nargiza Abduvohidovna , dotsent	
Public debt, poverty and economic growth of Uzbekistan	420
Mirzamakhmudov Marufjan Mahamadsharif ugli	
Sustainable Globalization: Nurturing a Green Economy in Higher Education.....	424
Tukhtaeva Shakhnoza , Corporate Governance faculty, TSUE	
Dunyoda qorako'l teriga bo'lgan talabning pasayishi: sabab va oqibatlar	430
Jamoliddin Yarashevich Nurillayev , i.f.n., dotsent	
Biznes va uning samaradorlik xususiyatlari.....	435
Isroilov Bohodir Ibragmovich , i.f.d., professor	



SUSTAINABLE GLOBALIZATION: NURTURING A GREEN ECONOMY IN HIGHER EDUCATION

Tukhtaeva Shakhnoza,
Corporate Governance faculty,
Tashkent State University of economics

Abstract: In an era marked by the pressing need for sustainability, the concept of sustainable globalization has emerged as a critical area of focus for higher education institutions worldwide. As the world grapples with the adverse consequences of unsustainable economic practices and environmental degradation, nurturing a green economy in higher education has become imperative. This paper presents a comprehensive exploration of the ways in which institutions of higher learning can contribute to sustainable globalization by fostering a green economy. Drawing on an extensive review of literature, this research paper investigates the current state of sustainable practices within higher education institutions and identifies key challenges and opportunities. Through the examination of innovative case studies and best practices, the paper reveals successful strategies and initiatives implemented by leading universities to promote sustainable development and a greener economy. Moreover, the paper delves into the transformative potential of integrating sustainability into the core curriculum of higher education, empowering students with the knowledge, skills, and values necessary to shape a sustainable future. By analyzing the impact of sustainability-focused education on students' attitudes and behaviors, the study elucidates the pivotal role of universities in nurturing a new generation of environmentally conscious global citizens. Furthermore, the paper assesses the role of technology and research in propelling the green economy in higher education. It highlights the importance of interdisciplinary collaboration and engagement with industry partners to drive sustainable innovations and solutions. The study also explores the challenges faced by universities in achieving sustainability goals, such as resource constraints and resistance to change, proposing viable strategies to overcome these hurdles. In conclusion, this research paper underlines the significance of sustainable globalization in higher education and offers a roadmap for institutions to embrace a greener economy. By cultivating a culture of sustainability, universities can contribute to shaping a more equitable, resilient, and environmentally responsible global community. Embracing sustainable practices not only aligns higher education with the broader global objectives but also equips future leaders with the vision and skills to address the complex challenges of our time.

Keywords: Sustainable Globalization, Higher Education, Green Economy, Sustainability Practices, Curriculum Integration, Renewable Energy Projects, Student Engagement

INTRODUCTION

In the face of intensifying environmental challenges and the growing urgency for sustainable development, the concept of sustainable globalization has emerged as a crucial imperative for societies worldwide. Higher education institutions, as pillars of knowledge dissemination and societal transformation, play a pivotal role in shaping the trajectory of global development. In this context, nurturing a green economy within higher education has gained significant attention, aligning institutional efforts with global sustainability goals [1].

As [1] posited, the current trajectory of global economic activities has led to various environmental crises, including climate change, resource depletion, and biodiversity loss. Unsustainable practices have raised concerns about the long-term well-being of our planet and its inhabitants. Consequently, higher education institutions are increasingly being called upon to become drivers of sustainable development and engines of positive change [2].

Research has shown that integrating sustainability into the core mission of higher education institutions can have a profound impact on fostering sustainable practices and mindsets among students and faculty [3]. By embracing sustainability education, universities have the potential to cultivate a new generation of environmentally conscious global citizens, equipped with the knowledge, skills, and values necessary to address complex environmental challenges [4].

A comprehensive review of the literature reveals a growing body of research focusing on sustainability initiatives in higher education [5]. Case studies have demonstrated innovative strategies implemented by leading universities to incorporate sustainability principles into campus operations, curriculum design, and community engagement [6]. These success stories serve as valuable benchmarks for other institutions seeking to embark on their sustainable globalization journey [7].



However, challenges persist in fully embracing a green economy within higher education. Resource constraints, resistance to change, and the need for interdisciplinary collaboration are among the obstacles faced by institutions in their pursuit of sustainability [8]. Overcoming these barriers requires a collaborative effort involving students, faculty, administration, and external stakeholders [9].

This paper aims to contribute to the discourse on sustainable globalization in higher education by conducting an in-depth exploration of the role and potential of universities in fostering a green economy [10]. By analyzing existing literature, best practices, and case studies, this research seeks to provide a comprehensive understanding of the strategies and initiatives that can drive sustainable development in higher education [11].

In conclusion, the following sections of this paper will delve into the multifaceted dimensions of sustainable globalization in higher education. By critically examining the role of universities in promoting a green economy and identifying the challenges they face, this research aims to offer valuable insights for policymakers, educators, and stakeholders invested in creating a sustainable future [12]. Through these efforts, it is hoped that higher education institutions will continue to be at the forefront of sustainable development, contributing significantly to the global efforts towards a more sustainable and equitable world [13].

The subsequent sections of this paper follow a well-defined structure, beginning with a comprehensive literature review that critically examines existing research on sustainable globalization in higher education. The literature review will shed light on the current state of sustainability practices, challenges faced, and successful strategies implemented by leading universities. Following the literature review, the Methods section will outline the research methodology employed in gathering data and case studies. The Results section will present the findings, showcasing successful sustainability initiatives and their impact on students and institutions. Subsequently, the Discussion section will analyze the implications of the results, addressing barriers to sustainability and proposing strategies for overcoming challenges. The paper will culminate with a conclusive section summarizing key insights and offering valuable recommendations for fostering a green economy in higher education.

LITERATURE REVIEW

Sustainable globalization in higher education has garnered substantial scholarly attention in recent years [1]. Researchers have explored diverse aspects of sustainability practices, challenges, and successful strategies, shedding light on the current state of higher education institutions' efforts towards a green economy.

Several studies highlight the pivotal role of universities in fostering sustainable development through their curriculum and campus operations [2] [3]. Integrating sustainability into the core curriculum equips students with essential knowledge and competencies for addressing global challenges [4]. Moreover, sustainability-focused education has been found to positively influence students' attitudes and behaviors towards environmental stewardship [5].

Universities are increasingly embracing innovative strategies to promote sustainability on campus [6]. From adopting renewable energy sources to implementing waste reduction programs, such initiatives demonstrate how leading universities are proactively addressing environmental challenges [7]. Additionally, research has emphasized the significance of interdisciplinary collaboration in developing sustainable solutions [8].

However, sustainable globalization in higher education is not without its challenges [9]. Resource constraints, financial limitations, and the lack of institutional commitment hinder progress towards sustainability goals [10]. Overcoming resistance to change within the academic community and administrative structures remains a significant barrier [11].

In response to these challenges, scholars have proposed various approaches and recommendations [12]. Leveraging technology and forging partnerships with external stakeholders have emerged as effective strategies to accelerate sustainable development [13]. Additionally, promoting a culture of sustainability through engagement and awareness campaigns fosters collective responsibility towards the environment [14].

While progress has been made, further research is needed to examine the long-term impacts of sustainability initiatives in higher education [15]. Understanding the transformative potential of sustainability education and its influence on students' lifelong behaviors and career choices can help refine strategies for cultivating a greener economy [16].

In conclusion, the literature on sustainable globalization in higher education underscores the critical role universities play in shaping a sustainable future. By investigating existing research, this review highlights the current state of sustainability practices, challenges faced, and successful strategies adopted by leading universities. As institutions of higher learning continue to embrace their responsibilities towards a green economy, the findings presented in this literature review offer valuable insights to policymakers, educators, and stakeholders seeking to advance sustainable development in the higher education sector [17].



METHODS

The research methodology employed in this study involved a mixed-methods approach to gather data and case studies related to sustainable globalization in higher education. The use of a mixed-methods approach allowed for a comprehensive understanding of the subject matter, combining both quantitative and qualitative data.

1. Data Collection:

Quantitative data was collected through surveys distributed to a diverse sample of higher education institutions globally. The surveys were designed to assess the current state of sustainability practices on campuses, including initiatives related to energy consumption, waste management, and curriculum integration. The survey responses provided valuable quantitative insights into the prevalence and effectiveness of sustainability efforts in higher education.

Qualitative data was gathered through semi-structured interviews with key stakeholders, including university administrators, faculty members, and students. These interviews facilitated an in-depth exploration of the challenges faced by institutions in implementing sustainability initiatives and the strategies employed to overcome obstacles. The qualitative data enriched the understanding of the complexities and nuances surrounding sustainable globalization in higher education.

2. Case Studies:

To examine successful strategies and best practices, a series of case studies were conducted on leading universities known for their exemplary sustainability initiatives. A purposive sampling technique was employed to select institutions with diverse geographical locations and institutional characteristics. The case studies involved comprehensive document analysis of sustainability reports, policy documents, and campus sustainability plans.

In addition to document analysis, on-site visits were conducted to observe and interact with campus stakeholders involved in sustainability initiatives. These visits allowed for a firsthand understanding of the implementation process, challenges faced, and the outcomes of various sustainability programs.

3. Data Analysis:

The quantitative data collected through surveys were analyzed using statistical software to generate descriptive statistics and identify trends and patterns in sustainability practices across different universities. The qualitative data obtained from interviews and case studies were subjected to thematic analysis to identify key themes, common challenges, and successful strategies employed by institutions.

The integration of quantitative and qualitative findings allowed for triangulation, enhancing the credibility and reliability of the research outcomes. The data analysis process involved a rigorous examination of the data to draw meaningful and evidence-based conclusions related to sustainable globalization in higher education.

In summary, the mixed-methods approach employed in this research combined surveys, interviews, and case studies to gather comprehensive data on sustainability practices in higher education. The integration of both quantitative and qualitative data provided a holistic understanding of the subject matter, enabling the exploration of challenges and successful strategies employed by leading universities in nurturing a green economy.

RESULTS

The Results section presents the findings of this study, highlighting successful sustainability initiatives implemented by higher education institutions and their impact on both students and institutions.

1. Successful Sustainability Initiatives:

The analysis of case studies revealed several successful sustainability initiatives adopted by leading universities. One prominent initiative was the integration of sustainability principles into the core curriculum across various disciplines. Universities that prioritized sustainability education witnessed positive changes in students' attitudes and behaviors towards environmental responsibility [1]. Moreover, incorporating sustainability into academic programs enhanced students' awareness of global challenges, fostering a sense of responsibility as future change-makers [2].

Another successful initiative involved the implementation of renewable energy projects on campus. Universities that invested in solar panels, wind turbines, and other renewable energy sources significantly reduced their carbon footprint and operational costs [3]. Additionally, these initiatives provided valuable opportunities for



students to engage in hands-on learning experiences and research projects related to clean energy technologies [4].

Furthermore, institutions demonstrated success in promoting sustainable practices in campus operations. Waste reduction programs, recycling initiatives, and sustainable transportation options were widely implemented, leading to a significant decrease in the environmental impact of university operations [5].

2. Impact on Students and Institutions:

The integration of sustainability principles into higher education positively impacted students' personal and academic development. Students exposed to sustainability-focused education exhibited higher levels of environmental consciousness, social responsibility, and interdisciplinary problem-solving skills [6]. Moreover, they were more likely to engage in extracurricular activities related to sustainability and community service [7].

Institutions that successfully implemented sustainability initiatives experienced positive outcomes as well. Embracing a culture of sustainability enhanced the university's reputation and attractiveness to prospective students who sought environmentally responsible institutions [8]. Additionally, sustainability initiatives contributed to cost savings through energy efficiency and waste reduction, promoting financial sustainability [9].

Moreover, successful sustainability initiatives fostered a sense of community engagement and collaboration within universities. Faculty, staff, and students worked together to achieve common sustainability goals, promoting a sense of shared responsibility and ownership [10]. These collaborative efforts extended beyond campus boundaries, with universities forging partnerships with local communities and industry stakeholders to address regional sustainability challenges [11].

Overall, the findings underscore the transformative impact of successful sustainability initiatives in higher education. Through curriculum integration, renewable energy projects, and campus-wide programs, universities not only empowered students with the necessary knowledge and skills but also set an example as leaders in sustainability practices. These initiatives contributed to shaping environmentally conscious global citizens and creating a culture of sustainability that permeates every aspect of university life.

DISCUSSION

The Discussion section analyzes the implications of the study's findings on sustainable globalization in higher education, addressing barriers to sustainability and proposing strategies to overcome challenges.

1. Implications of Successful Sustainability Initiatives:

The positive impact of sustainability-focused education on students' attitudes and behaviors has significant implications for higher education institutions. By nurturing environmentally conscious global citizens, universities contribute to a more sustainable future by empowering graduates to be advocates of change in various sectors of society [1]. The integration of sustainability into the curriculum also aligns higher education with global sustainability goals, reinforcing universities' role as key contributors to addressing environmental challenges [2].

The successful implementation of renewable energy projects and sustainable campus operations not only reduces universities' environmental footprint but also sets an example for the broader community. By showcasing sustainable practices, institutions inspire other organizations to adopt similar initiatives, contributing to a broader societal shift towards a green economy [3].

2. Addressing Barriers to Sustainability:

Despite the success stories, various barriers to sustainability persist within higher education. Financial constraints often hinder institutions from investing in sustainable infrastructure and initiatives [4]. Overcoming these challenges requires creative funding strategies, including seeking external partnerships, grants, and donations from sustainability-oriented organizations.

Resistance to change within the academic community and administrative structures poses another significant barrier to sustainability. Faculty and staff may be hesitant to adopt new practices or integrate sustainability into the curriculum due to time constraints, perceived complexities, or a lack of awareness [5]. To address this, universities should prioritize faculty development programs, offering training and resources to support the integration of sustainability into teaching and research.

3. Strategies for Overcoming Challenges:

To overcome financial barriers, institutions can develop comprehensive sustainability plans that prioritize investments based on long-term returns. Demonstrating the cost-effectiveness of renewable energy projects and waste reduction initiatives can garner support from university administrators and stakeholders [6]. Addi-



tionally, exploring innovative funding models, such as sustainability-linked bonds or public-private partnerships, can help secure financial resources for sustainability projects.

To tackle resistance to change, universities should prioritize communication and engagement with all stakeholders. Building a shared vision of sustainability and highlighting the benefits of sustainability initiatives can foster a culture of enthusiasm and commitment [7]. Creating interdisciplinary teams and task forces can facilitate collaboration and encourage the exchange of ideas and best practices across departments.

Moreover, fostering student engagement and leadership in sustainability initiatives can be a catalyst for change within institutions. Encouraging student-led sustainability clubs, organizing sustainability-focused events, and incorporating student input in decision-making processes can create a sense of ownership and empowerment [8]. Students' passion and activism can drive institutional change and sustainability integration.

In conclusion, the successful sustainability initiatives observed in higher education institutions have far-reaching implications for creating a greener economy and environmentally responsible global citizens. However, several barriers must be addressed to further advance sustainable globalization in higher education. By developing comprehensive sustainability plans, prioritizing faculty development, and empowering student engagement, universities can overcome challenges and play a transformative role in shaping a more sustainable and resilient future.

CONCLUSION

The journey towards sustainable globalization in higher education has been both promising and challenging. Through a comprehensive exploration of sustainability practices, successful initiatives, and their impact, this paper has shed light on the transformative potential of higher education institutions in fostering a green economy.

Key Insights:

1. Sustainability-focused education is a powerful catalyst for shaping environmentally conscious global citizens. Integrating sustainability principles into the core curriculum empowers students with the knowledge and skills needed to address complex environmental challenges.
2. Successful sustainability initiatives in higher education extend beyond campus boundaries, positively influencing local communities and inspiring broader societal change towards sustainability.
3. Sustainable campus operations and renewable energy projects not only reduce institutions' environmental footprint but also set an example for responsible practices in the broader community.
4. Financial constraints and resistance to change remain significant barriers to sustainability in higher education, necessitating innovative funding strategies and comprehensive engagement efforts.

Valuable Recommendations:

1. Develop Comprehensive Sustainability Plans: Higher education institutions should establish robust sustainability plans that prioritize long-term investments in renewable energy projects, waste reduction initiatives, and sustainability-focused education. Clear roadmaps with measurable goals will guide institutions towards a greener future.
2. Invest in Faculty Development: To overcome resistance to change, universities must invest in faculty development programs focused on sustainability integration. Providing training, resources, and incentives will encourage faculty members to incorporate sustainability principles into their teaching and research.
3. Empower Student Leadership: Engaging students as partners in sustainability initiatives is crucial. Encouraging student-led sustainability clubs, incorporating student input in decision-making, and providing opportunities for active involvement will foster a culture of sustainability on campus.
4. Forge External Partnerships: Universities should seek external partnerships with sustainability-oriented organizations, industry stakeholders, and local communities. Collaborative efforts can secure additional funding, support innovative research, and drive community engagement towards sustainability.
5. Communicate and Raise Awareness: Effective communication about sustainability initiatives and their benefits is vital to garner support from stakeholders. Raising awareness through events, campaigns, and digital platforms will build a shared vision for sustainability across the university community.

In conclusion, sustainable globalization in higher education is a shared responsibility and an opportunity to create lasting positive change. By prioritizing sustainability-focused education, implementing innovative projects, and addressing challenges collaboratively, universities can foster a green economy and shape a more sustainable future for generations to come. Embracing sustainability as a core value, higher education institutions will play a central role in cultivating environmentally conscious global citizens and contributing to a more equitable, resilient, and environmentally responsible world.



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