



CAPPADOCIA UNIVERSITY SUSTAINABILITY EFFORTS

2021-2022 ANNUAL REPORT

NEVŞEHİR/TURKEY

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EXECUTIVE SUMMARY

This annual report is prepared by the Rectorate of Cappadocia University (KÜN) in accordance with the university's governing documents related to institutional sustainability efforts. The report covers the academic year of 2021-2022 which corresponds to the period from September 1, 2021 to August 31, 2022 and includes the progress made in sustainability efforts since the 2020-2021 reporting year.

Different from the previous annual reports, the present report for the 2021-2022 reporting period is entitled as "Cappadocia University Sustainability Efforts" instead of "Cappadocia University Environmental Sustainability Efforts" which indicated a more restricted scope. With a revised understanding of the concept of "sustainability" that is based on the 17 Sustainable Development Goals (SDG's) announced by the UN 2030 Agenda, this year's report not only provides examples of institutional efforts from a wider scope but also features a separate section (subheading) dedicated to explaining how the institutional efforts of the reporting year addressed the SDG's as well.

Accordingly, the most notable developments within the reporting period were the more comprehensive and mature implementation of the activities aligned with strategic goals described in the "Green Cappadocia Policy Paper," the pioneering activities of the Sustainability Commission, the expansion of the *Sustainable Cappadocia* Website, the more pervasive implementation of the Sustainability Programs (Water, Air, Earth, Fire, Bio), Mustafapaşa's selection as the "Best Tourism Village" by the UN World Tourism Organization (UNWTO) in December 2021 for effectively addressing 9 out of 17 SDG's and the activities that followed up the award, the University's membership of Global Sustainable Tourism Council (GSTC) and authorization by GSTC as the only institution in Turkey entitled to offer sectoral trainings on sustainable tourism, the starting of the Slow Food Cappadocia chapter and the organization of Cappadocia Gastronomy Festival, the initiation of GastroCappadocia Project, the institutional participation to EKO/İKLİM (Eco/Climate) Summit in Ankara, the completion of the Climate Crisis Awareness Resources Database Project, the realization of the 2nd International Environmental Humanities Conference: Critical Animal and Plant Studies, the approval by Higher Education Council of Turkey the new MA in Sustainable Tourism Management degree programs, the University's being awarded of the Zero Waste Certificate by the Ministry of Urbanization, Environment and Climate Change, the Environmental Management System as per TSE EN ISO 14001: 2015 Certification, and initiation of the GreenStars Sustainability Model certification process by submitting the application for Compliance Statement.

The report explains the major developments that took place in the academic year of 2021-2022 in separate headings and subheadings as necessary.

1. ENVIRONMENTAL SUSTAINABILITY IN CAPPADOCIA UNIVERSITY'S GOVERNING DOCUMENTS

Environmental Sustainability is a prioritized issue and an important focus area for Cappadocia University (KÜN) since its establishment as a university on July 1, 2017. This emphasis is clearly documented in four formal documents issued by the university administration:

1.1. Green Cappadocia Policy Paper

“[Green Cappadocia Policy Paper](#),” first issued in the academic year of 2019-2020, is the main governing document detailing the mission, vision, larger strategic plans and objectives and aims of KÜN regarding sustainability efforts. Designed on the basis of the particular efforts under the headings of “Energy Management Program,” “Water Management Program,” “Waste Management Program,” and “Cultural Sustainability Program,” the Paper also reflects the university’s sustainability policies that are also in line with the “Cappadocia University (KÜN) Contribution to Society Objectives and Principles Policy Paper,” as well as with our mission, vision and fundamental values.

1.2. KÜN Sustainability Commission

The policies specified in “Green Cappadocia Policy Paper” are implemented by the KÜN Sustainability Commission (<https://eko.kapadokya.edu.tr/en/sustainability-commission/>) founded in the academic year of 2019-2020. Accordingly, the “[Sustainability Commission Directives](#)” (Turkish only) is the second major document in KÜN’s sustainability-related legislation. The Directives document organizes the governance structure, duties and responsibilities, meeting procedures, and the timeline of the tasks undertaken by the Commission. In the 2021-2022 period, the Commission consisted of nine members with the addition of one member from the Quality Assurance Office of the university to connect and collaborate with quality assurance systems more effectively.

1.3. Cappadocia University Research Goals and Principles

In the official research policy statement entitled “Cappadocia University Research Goals and Principles,” academic leadership in Turkey in the field of Environmental Humanities, through the activities of Cappadocia University Environmental Humanities Center (<https://ehc.kapadokya.edu.tr/>), has been expressed as a major goal and priority.

1.4. Cappadocia University’s “Strategic Plan for 2018-2023”

In Cappadocia University’s “[Strategic Plan for 2018-2023](#)” (Turkish only), several activities and practices related to environmental sustainability targets are among the performance metrics as explained under the section “Protection of Natural and Cultural Entity.” According to this section anticipated activities and practices are defined as such:

1. Protection, maintenance and repair of historical buildings in our use.
2. Participation in the afforestation activities of our region.
3. Increasing the number of members of the Young TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) student organization.
4. Increasing the number of activities on environmental awareness and protection.

5. Implementing trainings and cooperating with national and international stakeholders working in order to disseminate knowledge about the importance of the use of renewable energy sources and to ensure their adoption by our students.
6. Contributing to the protection of the ecosystem through the effective use of renewable energy solutions and setting an example for the environment.
7. Putting into practice of Mustafapaşa's signage project.
8. Sharing the knowledge accumulation of the university for the benefit of local governments and the public through developing joint projects and advising on public interest issues.

2. SUSTAINABLE CAPPADOCIA WEBSITE

In order to provide wider visibility and dissemination as well as stronger outreach and functionality to its sustainability efforts, in the 2019-2020 academic year KÜN launched a bilingual (Turkish and English) sustainability website with the name [Sustainable Cappadocia](https://eko.kapadokya.edu.tr/en/home/) which can be accessed at the URL: <https://eko.kapadokya.edu.tr/en/home/>. During the 2021-2022 period the website was adequately maintained, updated and enriched in terms of its contents. The website now functions as the main channel through which all kinds of sustainability-related events, schemes, programs, initiatives and publications are shared not only with the university community but also with the larger public. The website is also supported by the posting of social media messages related to the events and special days on the “sustainability calendar” by the university’s institutional accounts (See examples at <https://eko.kapadokya.edu.tr/en/what-you-can-do/>).

3. SUSTAINABILITY COMMISSION

In order to further institutionalize and systematize the university’s sustainability efforts, KÜN administration operates via a Sustainability Commission formed of 9 members representing the different academic and administrative units of the university: <https://eko.kapadokya.edu.tr/en/sustainability-commission>. The Commission’s Objectives are stated below:

In accordance with the relevant internal governing documents of Cappadocia University, the general objectives of KÜN Sustainability Commission are to create awareness about natural and cultural sustainability on the part of collegiate and external partners and stakeholders, and to plan, monitor, report, and assess sub-activities that encourage and support sustainability. The specific objectives of the Commission as regards the main impact areas that are aligned with the general objectives are as follows:

Setting and Infrastructure

The development and expansion of open spaces, areas covered in forests and planted vegetation, as well as water absorbent surfaces on Cappadocia University campuses

Energy and Climate Change

The increase of the usage of energy efficient appliances and the number of renewable energy sources; the minimization of the institutional carbon footprint on Cappadocia University campuses

Waste

The reduction of the use of paper and plastic, and the development and wide implementation of recycling programs for organic and inorganic wastes on Cappadocia University campuses

Water

The installation of the infrastructure components necessary for water conservation and recycling, and the development and wide implementation of customized water conservation and recycling programs on Cappadocia University campuses

Transportation

The reduction of private vehicle traffic, the increase of public transportation use, the increase of the number of zero emission vehicles, and the development and expansion of the structural and infrastructural components toward minimizing transportation-generated carbon footprint on Cappadocia University campuses

Education and R&D

The creation of awareness about natural and cultural sustainability through curricular and extra-curricular activities (courses, publications, student organizations), as well as through research and development projects, and the qualitative and quantitative improvement of these activities and projects on Cappadocia University campuses.

4. SUSTAINABILITY PROGRAMS

In the academic year of 2019-2020, KÜN Sustainability Commission initiated the Cappadocia *Water, Air, Earth, Fire, and Bio* programs to structure its efforts under the relevant subheadings by matching the efforts with one of the foundational elements that are most impacted by the individual program.

As seen in the images below, custom-made buttons and stickers were procured and distributed to faculty and students to increase visibility and ownership of the programs at the beginning of the academic year of 2021-2022 as well. The stickers also feature square codes that directly take the viewer to the web page of the program on *Sustainable Cappadocia* website.



Fig. 1: Buttons prepared for the sustainability programs.



Fig. 2-3: Sustainability program stickers displayed in relevant locations.

4.1. CAPPADOCIA WATER



Cappadocia University's efforts regarding the management of drinking, utility and waste water are planned and implemented under the ***Cappadocia Water*** program. The main activity areas of this program are:

- Developing applications and policies that are based on the saving and recycling of water
- Erecting information boards and signs detailing the water management program in various locations on campuses to ensure that the students, administrative personnel and faculty members are kept informed
- Utilization of water collected naturally through rainwater harvesting applications, and the use of the water obtained from rainwater harvesting for the irrigation of the green areas, to support the growth of the trees and plants on campuses
- Use of permeable materials in construction and landscaping to allow the return of rainwater to the soil
- Use of water-saving appliances and machinery on campuses

- Provision of personnel with the necessary training to reduce water consumption in cleaning, and the determination of the procedures accordingly
- Taking the necessary measures to reduce the production of waste water on campuses, and to treat and rehabilitate toxic, chemically or biologically polluted water
- Taking the necessary measures to prevent evaporation and to ensure efficient irrigation, with methods such as drip irrigation

4.2. CAPPADOCIA AIR



Cappadocia University's efforts regarding the reduction of the carbon emissions resulting from transportation within and between its campuses are planned and implemented under the *Cappadocia Air* program. The main activity areas of this program are:

- Taking measures to regulate the entry and exit of vehicles to and from the campuses
- Limiting the use of cars by students on campuses, while promoting the use of vehicles that do not cause carbon emissions, such as bicycles and electric bicycles
- Creating parking spaces (i.e., bike racks) on campuses and making them available for students
- Lending bicycles to students who require them, where resources permit, promoting their use as a viable transportation mode
- Increasing the number of bicycle and pedestrian roads both on campuses and in the region, and promoting the efforts of local administrations in this regard

4.3. CAPPADOCIA EARTH



Cappadocia University's efforts regarding the effective management of the waste produced on campuses, recycling, environmental protection, and reforestation are planned and implemented under the *Cappadocia Earth* program. The main activity areas of this program are:

- Taking the necessary measures to ensure the effective management of the waste produced on campuses
- Developing applications and policies to minimize waste, and supporting related projects

- Erecting information boards and signs detailing the waste management program in various locations on campuses to ensure that the students, administrative personnel and faculty members are kept informed
- Placing recycle bins all over the campuses to reutilize recyclable waste
- Promoting the use of recycled paper
- Promoting the use of both sides of the paper for printed materials
- The collection and recycling of all kinds of waste, particularly paper
- Promoting the use of digital and e-signed documents and forms rather than printed and wet signed documents
- Promoting the use of e-mails and similar technological media for communications and correspondence
- Reduction of the use of plastic packaging and plastic bags to reduce plastic waste
- Promoting the use of bags made of organic, eco-friendly and recyclable materials
- Developing various applications through which the organic waste generated by food production facilities of the university are reutilized in agriculture and food production
- Delivering surplus food stocks to people in need
- Disposal of the appropriate kinds of waste via various methods, particularly composting; the use of the organic products obtained from composting on the trees and plants grown by the university their distribution to local farmers free of charge, with a view to contributing to regional development
- The launching of litter collection campaigns on campuses and in the valleys of the Cappadocia region
- The launching of tree planting campaigns in collaboration with local governments and NGOs on campuses and in the Cappadocia region

4.4. CAPPADOCIA FIRE

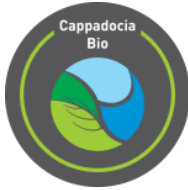


Cappadocia University's efforts regarding the efficient and effective use of energy are planned and implemented under the ***Cappadocia Fire*** program. The main activity areas of this program are:

- Developing applications and taking measures to ensure the efficient and effective use of energy
- Carrying out studies to reduce total energy consumption, and organizing and promoting activities to inform the academic and administrative personnel and the students about efficient and effective energy use
- Taking measures to reduce carbon emissions from heating
- Designing new buildings in consideration of natural heating and cooling potentials
- Heating of existing and historical buildings using low-carbon energy sources, in addition to natural heating

- Prioritizing the use of natural gas on all campuses
- Exempting unused indoor spaces from heating and limiting the use of air conditioners for cooling
- Taking initiatives in the generation of electricity from renewable energy sources (hydro, solar, wind and bio fuel), and carrying out projects and supporting existing projects in this field
- Prioritizing facilities and buildings that do no harm to the natural and cultural structure of the region for renewable energy generation
- Using energy-efficient appliances to reduce electricity consumption, particularly in lighting
- Minimizing unnecessary and excess lighting
- Using photocells in indoor spaces that are not frequently used to economize electricity consumption

4.5. CAPPADOCIA BIO



Cappadocia University's efforts regarding the minimization of the impacts of collegiate life, educational activities and research-development initiatives on the natural and cultural texture of the region, as well as those regarding cultural sustainability and the preservation of biodiversity at the global, national and local levels are planned and implemented under the **Cappadocia Bio** program. The main activity areas of this program are:

- Taking the necessary measures to ensure that the impacts of collegiate life, educational activities and research-development initiatives on the natural and cultural texture of the region are minimized
- Attributing importance to cultural sustainability in educational, research and social contribution activities
- Taking the necessary measures, and carrying out and supporting projects that support local traditions, contributing to their transfer to the next generations, protecting Turkey's cultural heritage, and particularly that of Cappadocia, as a unique example of cultural heritage in the world
- Designing and constructing new buildings and facilities in accordance with the natural and cultural features of the region
- Using locally supplied, recyclable or used materials for the construction of new buildings
- Carrying out environmental and social impact evaluations for new buildings, and designing the buildings accordingly
- The restoration of buildings and structures in the region that are in need of protection and restoration, thus contributing to cultural heritage
- Organizing initiatives to support the street animals and other living entities on campuses in collaboration with local governments, NGOs and student communities

5. ECO-CURRICULUM

Cappadocia University's commitment to increase awareness about sustainability issues also led to the designing and offering, during the 2020-2021 academic year, of a unique elective course on *Ecological Literacy and Sustainability* to the students of all undergraduate and graduate degree programs (*EOS 171* and *EOS 571* respectively). In the 2021-2022 academic year both courses were enrolled by students.

Course Content

In this course, the themes and concepts of ecological literacy, sustainability, interdependence principle in human and nature relationship, climate crisis, carbon footprint, sustainability issues in energy and food, consumption culture and waste, environmental justice will be examined and discussed through global examples of environmental problems, good practices and cultural works such as film, literature and design.

Course Objective

Ecological literacy is a term that points to an awareness about the dynamics of the natural environment, humanity's role and responsibility in it; the critical interrogation of human relationship to non-human nature, and the environmental problems arising from that. In the current age of climate crisis, improving an ecological perspective to favor the rights of other living beings and ecosystems is considered as a citizenship consciousness. In that sense, this course aims to provide a fundamental knowledge and perspective with a holistic and interdisciplinary approach to encourage awareness about environmental problems. The course aims to examine the current climate crisis with its social, cultural and economic aspects, and raise consciousness on environmental and social sustainability.

Moreover, another graduate level course, *KCY 532 Ecological Crisis and Strategies to Overcome* was also designed and offered to the students of the relevant graduate programs in the academic year of 2020-2021.

Course Content

This course encapsulates the issues of current ecological crisis by its scope, causes, reflections from a perspective based on its political, philosophical, social, ethical and economical senses.

Course Objective

The aim of this course is to analyze the ongoing ecological crisis through a perspective of causality.

In 2021-2022, in line with the objectives of inclusion of environmental sustainability subjects in the curricula of various departments, **27** courses (to be compared with 20 courses in

2019-2020, and 24 courses in 2020-2021) on environmental sustainability related subjects were offered in Cappadocia University. The master's program "Urban Policy, Environment and Local Governments" focuses on the environment and aims to encourage academic research in this field. Moreover, in addition to master's degree program in English Language and Literature, which is designed with an environmental humanities orientation and is the only such degree program in Turkey, the new MA in Cultural Studies program offered in Turkish medium of instruction also features sustainability-related courses such as "Ecocinema."

Even though its approval by the Higher Education Council (YÖK) was announced toward the end of the reporting period in August 2022, the new MA in Sustainable Tourism Management degree programs (including distance education) to be offered by Cappadocia University are expected to create good impact in the next academic year. With the exception of only one major state university in Turkey, these new programs are offered only at Cappadocia University, and the distance education version is the first and only in the country.

The curricula of the various associate, bachelor, and master's degree programs in Cappadocia University include the following courses on environmental sustainability and/or related subjects:

1. Ecological Literacy and Sustainability (General Elective Course)
2. Healthy Life and Training I / Nutrition and Dietetics / School of Health Sciences
3. Healthy Life and Training II / Nutrition and Dietetics / School of Health Sciences
4. Environmental Psychology/Translation and Interpreting (English)/Faculty of Humanities
5. Film and Eco-Criticism/ English Language and Literature/School of Graduate Studies and Research /Faculty of Humanities
6. Environment, Literature and Culture/English Language and Literature/School of Graduate Studies and Research /Faculty of Humanities
7. Media, Communication and the Environment / English Language and Literature/School of Graduate Studies and Research/Faculty of Humanities
8. Environmental Sustainability and Ecological Life/ Urban Environment and Local Government Policies/ School of Graduate Studies and Research
9. Introduction to Urban and Environmental Law/ Urban Environment and Local Government Policies/ School of Graduate Studies and Research
10. Green Political Thought/ Urban Environment and Local Government Policies/ School of Graduate Studies and Research

11. Ecological Crisis and Climate Politics / Urban Environment and Local Government Policies/ School of Graduate Studies and Research
12. Natural Assets and Environmental Policies / Urban Environment and Local Government Policies/ School of Graduate Studies and Research
13. Ecological Crisis and Solution Strategies / Urban Environment and Local Government Policies/ School of Graduate Studies and Research
14. Environment and Management Discussions: Analysis and Interpretation/ Urban Environment and Local Government Policies/ School of Graduate Studies and Research
15. Urban and Environmental Legislation in Turkey/ Urban Environment and Local Government Policies/ School of Graduate Studies and Research
16. Ecocinema/ Cultural Studies/ School of Graduate Studies and Research
17. Culture, People and Environment/ Cultural Studies/ School of Graduate Studies and Research
18. Advanced Ecological Literacy and Sustainability (General Elective Course-Graduate Level)
19. Environmental Health/ Mouth and Dental Health/ Dentistry Services
20. Equine-assisted Therapy-I/Equine and Coaching/ Vegetable and Animal Production
21. Equine-assisted Therapy-II/Equine and Coaching/ Vegetable and Animal Production
22. Equine-assisted Therapy-III/Equine and Coaching/ Vegetable and Animal Production
23. Equine-assisted Therapy-IV/Equine and Coaching/ Vegetable and Animal Production
24. Nature Sports/ First Aid and Emergency Care/ Medical Services and Techniques
25. Environmental Politics
26. Ecological Psychology
27. Gastronomy and Sustainability

6. ENVIRONMENTAL SUSTAINABILITY LEADERSHIP AWARD

First instituted in the latter part of the academic year of 2019-2020, the *Environmental Sustainability Leadership Award* was implemented in the 2020-2021 and 2021-2022 periods. The names of the award winners are announced and archived on the *Sustainable Cappadocia* website (<https://eko.kapadokya.edu.tr/odulu-kazananlar/>). The award aims to support the achievements of senior students who have demonstrated outstanding success in participating in environmental sustainability projects and conducting awareness-raising activities for the development of ecological awareness throughout their university education.

The purpose of this award is to encourage the education of competent and ecologically sensitive students who can propose sustainable solutions to the ecological crisis, which is one of the top priorities of the global agenda in our age.

Environmental sustainability studies include the projects, applications, and research on sustainable energy, pollution, waste management, animal rights, natural agriculture and production, food security, ecological architecture, ecological economy, sustainable cities, etc. Awareness-raising activities for the development of ecological awareness include activities and projects aimed at making the importance of these issues understandable in the context of the climate crisis, raising awareness with the support of various cultural tools, and promoting lifestyles and daily practices that are more compatible with the natural environment.

Senior students can apply for the Environmental Sustainability Leadership Award by documenting their activities on or off campus during their education period.

The award is given to one student annually in the amount of 3,000 TL for the 2021-2022 academic year.

Senior students who have contributed to environmental sustainability studies, creating ecological sensitivity and awareness, designing and conducting projects on the following issues during their education period can apply for this award:

- Participating in environmental sustainability studies conducted across the university
- Designing projects for environmental sustainability across the university and/or carrying out academic studies
- Organizing awareness-raising activities and/or projects to increase ecological sensitivity and awareness across the university
- Participating in the activities of non-governmental organizations working outside the university with a focus on environmental sustainability and ecological sensitivity
- Designing activities and projects focusing on developing environmental sustainability and ecological awareness outside the university

Required Application Documents:

An application letter in which the candidate explains why he or she deserves this award, expresses the effects and results of his or her environmental sustainability and ecological awareness activities, and talks about their future predictions in this field

Proof documents such as activity reports, activity documents, news, activity visuals etc. for each study in accordance with the specified criteria

If requested, reference letters from the authorized persons of the activities carried out, from the instructors of the relevant courses, and from the consultants evaluating the performance of the candidate in this field.

In the academic year of 2020-2021, the title of “Sustainability Leader of the Year” and the award was granted to Mr. Kaan Göktaş who was also the president of the TEMA Youth Chapter at Cappadocia University.

7. THE ENVIRONMENTAL HUMANITIES LIBRARY

As part of Cappadocia University’s commitment to sustainability-related research and knowledge production, the university administration has initiated a scheme in the 2019-2020 academic year for the establishment of an Environmental Humanities Library as a major research resource for scholars and students conducting research in this specific area. As of October 2021, the university’s library offers access to more than 640.000 print and online sources on “Ecology” including the electronic sources from databases.

As agreed with the donor during the reporting period, the EH Library at Cappadocia University will acquire about 5000-8000 print books over a period of 3 three years from an international donation. Once completed, the collection will be unique in Turkey and will be open for the use of scholars and students in Turkey.

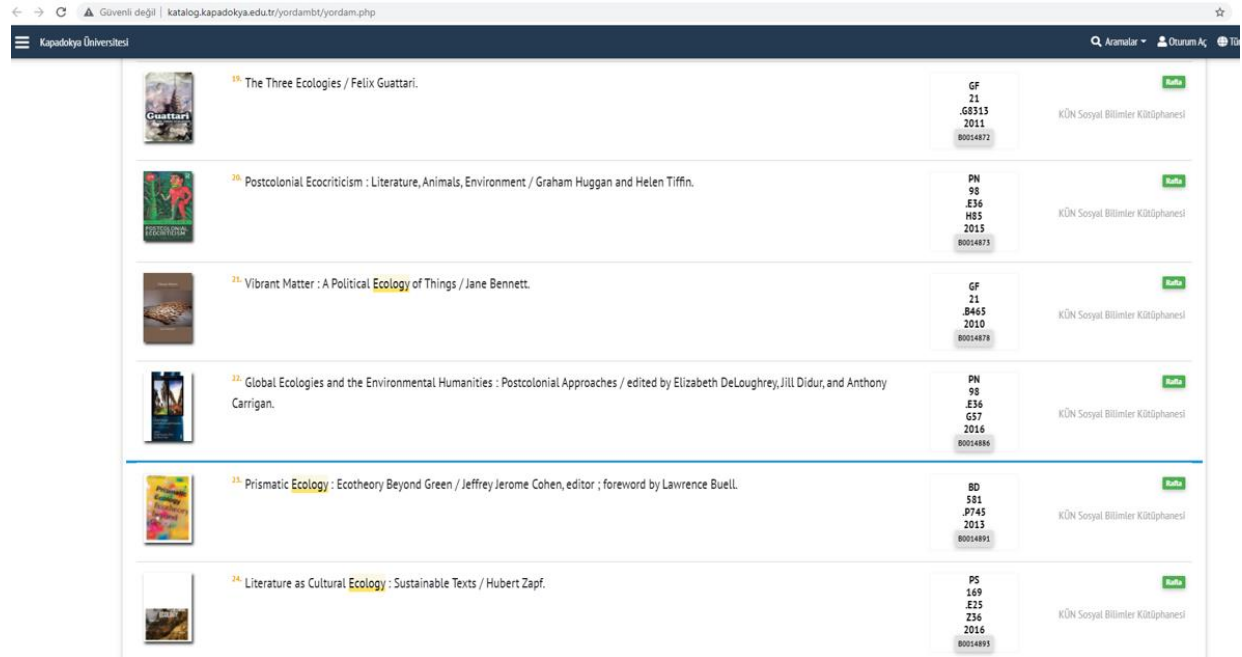


Fig. 4: Some of the books that are in the Environmental Humanities Library in 2021-2022

8. SUSTAINABILITY-RELATED SOCIAL MEDIA CAMPAIGNS

Since late in the 2019-2020 academic year, the Sustainability Commission, in collaboration with the Public Relations department of the university, started implementing social media campaigns to keep important national and international dates on the agenda and thus to increase visibility of

and awareness about sustainability-related issues. In the reporting period, these efforts continued, attracting growing interest and participation from inside and outside of the university.

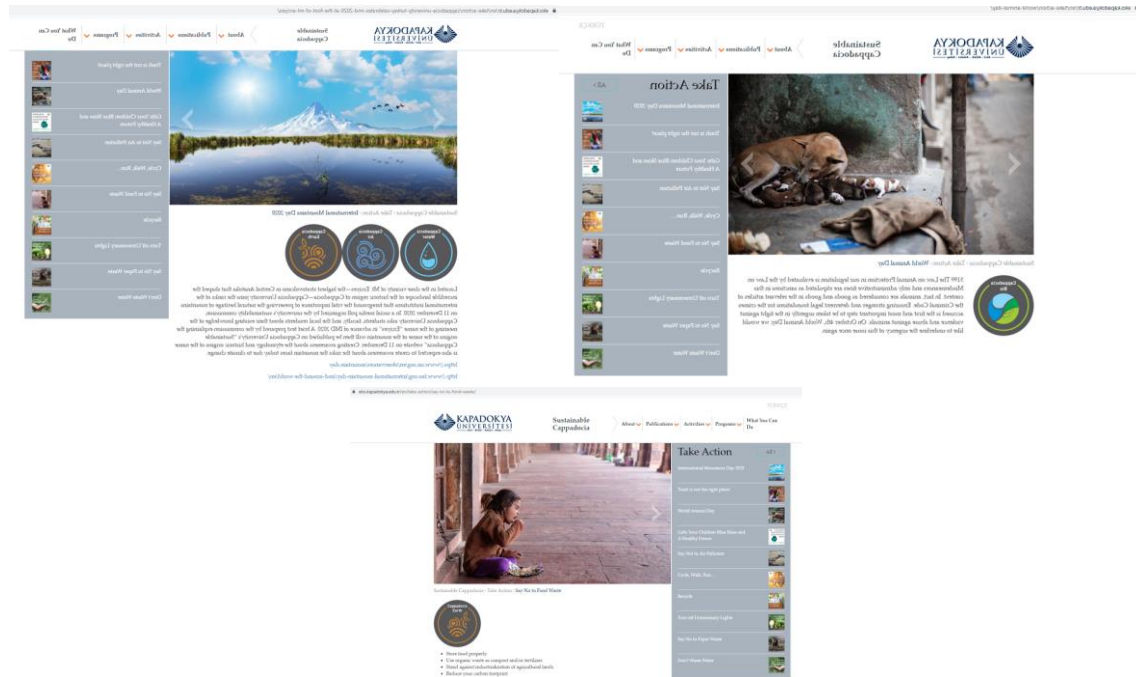


Fig. 5-7: Examples of the images and messages used in the social media campaigns in 2020-2021

9. CAPPADOCIA UNIVERSITY ENVIRONMENTAL HUMANITIES CENTER

In line with the institutional vision and targets of Cappadocia University, the first "Environmental Humanities Research Center" in Turkey was established on Mustafapaşa Campus in October 2018. [Environmental Humanities Center at Cappadocia University](#) aims to spread environmental awareness with ecologically oriented conferences, seminars, and workshops both regionally and internationally.

Environmental Humanities Center at Cappadocia University is a site where inter/trans/cross-disciplinary and international conversations will be reinforced through collaborations. The Center will seek to offer new perspectives to the entangled ecological urgencies and ethical and social problems surrounding our fragile planet. However diverse and multifarious they may be, these perspectives represent a common and flexible platform to work together to achieve desired ecological outcomes. We also promote studying education, art, and literature that are conducive to ecological sustainability. One of our objectives is to disseminate environmentally just stories from both human and nonhuman perspectives. Stories are effective tools of resistance, and storying the world anew in environmentally just ways is as important as

scientific efforts in finding palpable solutions to the planetary threat that we are all facing no matter where we live. And we all live in ecological uncertainties and have become what Donna Haraway calls “messmates” in the planet’s geomorphological processes and natural cycles. If the current epoch is called a human age—the Anthropocene—it is due to our collective detrimental activities. That is why, we need a new earth-story which can materialize with new imaginative and lexical vocabularies that take into account the still unheard voices of the disrupted nonhuman entities, which do not necessarily have to remain mute. We want to communicate a message of revaluing what we may lose, generating the creativity to imagine new accountabilities, more sustainable solutions, and also ethical responses.

Those interested in the environmental humanities perspectives on multispecies entanglements, human-nonhuman relations, biodiversity loss, global warming, Earth’s deep history, environmental transformations, changing micro and macroclimates, disrupted geobiochemical forces, and what it means to be human on a damaged planet, have found the right place here. Our Center encourages coalitions among the scholars in the humanities and the natural and social sciences.

The Center will provide:

- a platform for cooperation between the environmental humanities, arts, and sciences,
- integrate insights from multiple disciplines, and
- develop new theoretical approaches, knowledge practices, and narratives on human-nonhuman relations.

The Center aims:

- to conduct multidisciplinary research in cooperation with national and international environmental humanities centers, academic institutions, global networks, environmental organizations, and relevant private entities. (We will collaborate with international research groups encouraging transdisciplinary initiatives by academic and other stakeholders from the private and public sectors);
- to work toward maintaining the sustainability of more-than-human environments in global and local contexts;
- to ensure social and political awareness and acknowledgement of the biotic rights of all species;
- to promote environmental ethics and sustainability, as well as to develop transdisciplinary projects on climate justice, biodiversity justice, and eco-cultural justice issues.

The Center will work:

- to move the focus from finding technological solutions to complex ecological challenges amplified in the Anthropocene age to framing them within ecocultural frameworks, in material-discursive contexts.
- work toward integrating environmental humanities programs in higher education and thus promote interdisciplinarity in Turkish universities. It will support interdisciplinary research projects, conferences, and publications.

Our conceptual model is Cappadocia's own ancient cultural heritage inseparable from its special geological history. We hope to make Environmental Humanities platform at Cappadocia University a center of attraction on the national and international fronts through cross-disciplinary collaboration. Located on the high plateau of central Anatolia in Turkey, Cappadocia is famous with the mushroom-like stones known as fairy chimneys, which are a result of a geologic process that began 30 million years ago when volcanic eruptions rained ash across Anatolia. The ash solidified into a porous rock, called tuff, and in the millions of years that followed, wind and water eroded the tuff into spires and cones. That is why, this is a magical landscape. In 1985 Cappadocia's Göreme National Park, the Rock Sites of Cappadocia, and the fascinating underground cities were declared a world heritage site by UNESCO.

Since its establishment, the Center has carried out the following activities:

1. International Conference on "Environmental Humanities in the Anthropocene Age", March 7-8, 2019
2. Seminar on "The History-Climate Change Nexus through a Collection of Environmental Driven Migration Cases", March 5, 2019
3. Exhibition, "Tao Canyon: In Silence and Wisdom Exists the Human Form in Nature, February 1, 2019
4. Seminar on "Environmental Humanities in the Anthropocene Age", November 6, 2018
5. Started an international scholarly publication named *Ecocene: Cappadocia Journal of Environmental Humanities*. As of June 2020, the inaugural issue was published. Journal website: <http://ecocene.kapadokya.edu.tr>
6. Hosted the [Humanities for the Environment Network](#) Anatolian Observatory Establishment Workshop on 27 March 2020.
7. Hosted the [UNESCO-MOST/BRIDGES Global Sustainability Coalition](#) Establishment Workshop, 6-7 June 2020.
8. In December 2020, the Center submitted the *Adaptation to Climate Change in the Tourism Sector of Cappadocia Project* to the Turkey's Ministry of Environment and Urban Planning for an EU funded scheme. The evaluation of the application is still in progress at the time of the preparation of this report.

9. In collaboration with Movies that Matter and UNDP, the Center hosted the Sustainable Living Film Festival in February 2021. For details, please see: <https://kapadokya.edu.tr/etkinlikler/surdurulebilir-yasam-film-gunleri>
10. In May 2021, the Center hosted the Inaugural General Assembly of the UNESCO-MOST/BRIDGES Global Sustainability Coalition, approved as a new UNESCO-MOST program in late March 2021. For details, please see: <https://kapadokya.edu.tr/etkinlikler/unesco-most-bridges-inaugural-general-assembly->
11. In May 2021, the Center hosted The First National Environmental Humanities Conference. For details, please see: <https://kapadokya.edu.tr/etkinlikler/1-ulusal-cevreci-beseri-bilimleri-konferansi->
12. In May 2021, the Center hosted Prof. Dr. Scott Slovic of the University of Idaho as part of the Fulbright Specialist Program. For details, please see: <https://kapadokya.edu.tr/etkinlikler/ehsp-graduate-seminars>
13. In June 2021, the Center began implementing the R&D project titled “Climate Crisis Awareness Database Project” with a budget provided by the Cappadocia University administration. As of the date of the writing of this report, the outputs of the project are almost ready to be published on the project website (<https://iklim.kapadokya.edu.tr> is the planned domain).
14. In May 2022, the Center organized The Second International Environmental Humanities Conference: Critical Animal and Plant Studies. For details, please see: <https://ehc.kapadokya.edu.tr/international-conferences>.

In addition to pursuing its objectives, the Environmental Humanities Center at Cappadocia University worked towards achieving the main goals given below in 2021-2022.

- Initiation of the Anthropocene Curriculum in Turkey
- Establishment of TASC: Turkish Anthropocene and Sustainability Coalition

The work towards these objectives was hindered by the COVID-19 pandemic in the 2020-2021 academic year, but were pursued (though minimally) toward progress in the 2021-2022 academic year.

10. *ECOCENE: CAPPADOCIA JOURNAL OF ENVIRONMENTAL HUMANITIES*

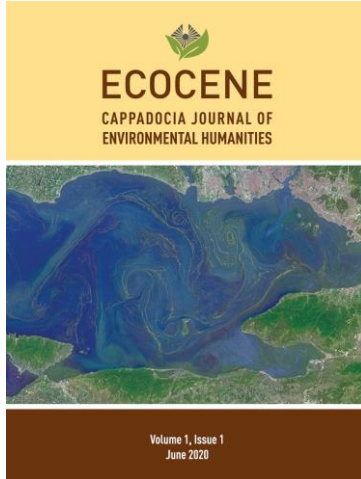


Fig. 8: Cover of the inaugural issue of *Ecocene*

Ecocene: Cappadocia Journal of Environmental Humanities is a digital, open-access, peer-reviewed, international, and transdisciplinary journal of the Environmental Humanities. It is a biannual journal, publishing a Winter issue in December and a Summer issue in June. It aims to develop new insights and theories about the current material and conceptual challenges in the field. Since the complexities and questions raised by ecological and social changes, as well as pressures from global climatic crises, demand interrelated re-workings of humanities disciplines and social and natural sciences, the journal invites submissions that transcend disciplinary categories, allowing us to rethink and reimagine the human-nonhuman relationalities on our damaged planet to ensure a livable future. It will thus seek articles that move beyond species-centered parameters and contest anthropocentric conceptions of reality. Recognizing the relevance and value of deep time experiences of social, cultural and environmental changes, *Ecocene* addresses the present and future challenges facing our planet. The journal also invites new Anthropocene stories, poetry, artwork and other creative works that advance our cognitive, imaginative and ethical capabilities. The purpose of *Ecocene* therefore is to create a space for transdisciplinary research and new modes of knowledge in what Donna Haraway calls “collaborative” but also “competitive entanglements” of human-nonhuman worlds.

Having published its inaugural issue in June 2020, *Ecocene* features research articles by eminent interdisciplinary scholars from across the world. Some of these include:

Braidotti, Rosi. “[‘We’ May Be in This Together, but We Are Not All Human and We Are Not One and the Same.](#)” *Ecocene: Cappadocia Journal of Environmental Humanities*, 26-31, 2020.

Sagan, Dorion. “[‘Gaia versus the Anthropocene: Untimely Thoughts on the Current Eco-Catastrophe.’](#)” *Ecocene: Cappadocia Journal of Environmental Humanities*, 137-146, 2020.

Preparing to publish its Winter 2022 issue at the time of the preparation of this report, *Ecocene* has had 4.642 users from 110 different countries (top 5 countries the users connect from are USA (23%), Turkey (14%), Canada (8%), UK (7%), and Germany (4%)) and received about 22.000 page views in the 9-month period between 1 January 2021 (when the journal migrated to the OJS platform) and 30 September 2021. As of September 1, 2022, the journal had 10.420 users from 129 different countries (Top 5 countries the users connect from are USA (27%), Turkey (13%), Canada (8%), UK (7%), and Netherlands (4%)), with 45.000 page views. In March 2022, *Ecocene* began to be indexed in MLA International Bibliography, and an application for indexing by Clarivate Analytics Web of Science indexes was filed in July 2022. For the latest issue of *Ecocene*, please visit: <https://ecocene.kapadokya.edu.tr/index.php/ecocene>

11. UNESCO-MOST/BRIDGES GLOBAL SUSTAINABILITY SCIENCE COALITION MEMBERSHIP

Cappadocia University, through its Environmental Humanities Center, is a key partner of UNESCO-MOST/BRIDGES Global Sustainability Science Coalition, which is an international and interdisciplinary initiative to promote sustainability science, chaired by UNESCO's Management of Social Transformation (MOST) Program. The university participated to two UNESCO-BRIDGES establishment workshops in 2018 as the sole representative invited from Turkey. (<https://en.unesco.org/events/workshop-toward-establishment-bridges-action-promote-sustainability-science>). In the 2019-2020 academic year, Cappadocia University hosted the UNESCO-MOST/BRIDGES Global Sustainability Coalition Establishment Workshop on 6-7 June 2020.

Upon the Coalition's formal approval by the Intergovernmental Council of UNESCO-MOST in late March 2021, Cappadocia University also hosted, as mentioned above, the Inaugural General Assembly of the UNESCO-MOST/BRIDGES Global Sustainability Coalition in May 2021.

In December 2017 exploratory discussions began among selected UNESCO sections, the International Council for Philosophy & Human Sciences (CIPSH), and various institutional and organizational partners active internationally in the sustainability domain¹ concerning the establishment of a global coalition on sustainability science. This initiative builds upon the refined sustainability science paradigm inaugurated in 2017 with the launch of UNESCO's Guidelines for Sustainability Science in Research and Education, which was the major output of the UNESCO-Japan/MEXT project "Broadening the Application of the Sustainability Science Approach" (2015-2017)². The coalition now envisaged would affiliate with UNESCO as a close but independent partner.

The coalition's approved name is **UNESCO-MOST/BRIDGES Global Sustainability Science Coalition**. The acronym *BRIDGES* stands for *Building Resilience in Defense of Global Environments and Societies*. The coalition is intended to foster and foreground new research, education and societal co-production initiatives harmonious with UNESCO's Guidelines for Sustainability Science in Research and Education. The ambition is to introduce exemplary transversal projects connecting the Humanities and Social Sciences disciplines with Natural Sciences, applied scientific fields and the Arts, while also enabling meaningful co-production between this broader and more inclusive configuration of academic actors and non-academic actors / stakeholders from society through co-designed case studies built on the renewed approach to sustainability science promoted in the Guidelines document. Pilot projects to be developed through the coalition will aim to demonstrate proof of concept of the UNESCO Guidelines for Sustainability Science in Research and Education and share good practice from different case studies internationally and at multiple scales: locally, nationally, regionally. In this sense BRIDGES is expected to work in parallel with other efforts by UNESCO to promote its new sustainability science guidelines in dialogue with UNESCO's Member States (Permanent Delegations and National Commissions) and other international partners.

The activities of BRIDGES, now working from a hub at Arizona State University, continued in the 2021-2022 reporting year with indirect contribution from Cappadocia University.

12. INTERNATIONAL NETWORKS MEMBERSHIP

The International Solar Energy Society

In line with the strategic plan performance metric "Implementing trainings and cooperating with national and international stakeholders working in order to disseminate knowledge about the importance of the use of renewable energy sources and to ensure their adoption by our students," Cappadocia University has been a member of the Turkey Chapter of the International Solar Energy Society, GÜNDER (<https://www.gunder.org.tr/uyelik/universite-ve-liseler/>). GÜNDER continues its activities with the aims of developing science and technology in the application of solar energy, encouraging basic and applied research and development on solar energy, disseminating the use of solar energy and encouraging education in the fields related to solar energy. As an example of the implementation of this practice, on roofs of the dormitories in Mustafapaşa Campus, a solar PV power station is installed within the strategic plan of the university "to contribute to the protection of the ecosystem through the effective use of renewable energy solutions and to set an example for the environment." As another good practice, in all buildings of the university LED lighting is used. Cappadocia University intends to realize further energy savings by paying close attention to energy management.

Humanities for the Environment (HfE) Network

The Humanities for the Environment is a global initiative of regional Observatories that aim to bring out how the humanities may contribute to pro-environmental behaviour. The Network conducts global projects at eight research observatories (i.e. European Observatory, North American Observatory, Circumpolar Observatory, etc).

Cappadocia University continued to work with the HfE network during the 2019-2020 and 2020-2021 academic years toward the establishment of an Anatolian Observatory based in Cappadocia University's Environmental Humanities Center. Accordingly, Humanities for the Environment Network Anatolian Observatory Establishment Workshop on 27 March 2020 with the participation of interdisciplinary scholars from different universities in Turkey. Consequently, formal collaboration began with institutions such as The Research and Application Center for Climate Change at İstanbul Technical University. However, the desired progress could not be achieved for the formalization of this network due to the Covid-19 pandemic. The plans for the formalization will be revised as circumstances improve in the 2022-2023 academic year.

As a new international network membership in 2021-2022, Cappadocia University has partnered with the Slow Food organization through the low Food Cappadocia Sustainable Gastronomy and Tourism Alliance (<https://terramadoreanatolia.com/en/slow-food-birlikleri-2/>). Yet another new development in this context has been the membership to Global Sustainable Tourism Council (GSTC) and authorization by GSTC as the only institution in Turkey entitled to offer sectoral trainings on sustainable tourism.

For further details of the Partners and Stakeholders, please visit the page on *Sustainable Cappadocia* Website: <https://eko.kapadokya.edu.tr/en/partners-and-stakeholders/>

13. UI GREENMETRIC WORLD UNIVERSITY RANKING

As a higher education institution prioritizing environmental sustainability from the beginning of its establishment, KÜN is committed also to becoming a member of the international collegiate community with similar priorities. Hence, in October 2019 the university administration formally applied for participation to the [UIGreenmetric World University Ranking](#).

In UI GreenMetric 2019 rankings, Cappadocia University was ranked 4th among Turkish foundation universities in the overall ranking; 7th in “Education and Research” and 18th in the overall ranking among all Turkish universities. In the world rankings of 2019, our university was ranked 392nd among the 780 UI GreenMetric universities and was granted a certificate.

Aware of the importance of international collegiate collaboration and knowledge sharing on a global level, Cappadocia University further improved and systematized its sustainability-related practices during the 2019-2020 and 2020-2021 academic years.

In UI 2020 rankings, Cappadocia University, with an improved performance as compared to previous year, was ranked 4th among Turkish foundation universities in the overall ranking and 16th in the overall ranking among all participating Turkish universities. In the world rankings of 2020, our university was ranked 321st among the 912 UI GreenMetric universities and was granted a certificate.

An online event, “UI Greenmetric and Sustainability at Cappadocia University” was also held on 14 June 2021 to introduce the ranking systems to a greater number of students and faculty and to invite them to the activities of Sustainable Cappadocia that are aligned with this ranking system. For details of the event, please see <https://kapadokya.edu.tr/etkinlikler/ui-greenmetric-siralamasi-ve-kun-surdurulebilirlik>.

In UI 2021 rankings, Cappadocia University was ranked 6th among Turkish foundation universities in the overall ranking and 30th in the overall ranking among all participating Turkish universities. In the world rankings of 2021, our university was ranked 407th among the 916 UI GreenMetric universities and was granted a certificate.

14. ENVIRONMENTAL SUSTAINABILITY IN RESEARCH AND DEVELOPMENT

As part of Cappadocia University’s Research and Development (R&D) efforts, thirty-one academic research projects (to be compared with four projects in the 2019-2020 period, and seven projects in the 2020-2021 period) related to environmental sustainability were supported in the academic year of 2021-2022.

1. Climate Crisis Awareness Resources Database Project

Project Manager: Dr. Ekin Gündüz Özdemirci

Start Date: 07.06.2021

Project Duration: 13 Months

Link: <https://bap.kapadokya.edu.tr/projeler/iklim-krizi-farkindaligi-veri-tabani-projesi>

Abstract: Even though the verbal and visual resources that offer reliable information presented in attractive and plain language so as to make the phenomenon of climate crisis accessible and easy to understand on the part of different segments of societies abound, the availability and accessibility of these resources in Turkish, and more importantly, the versions of these resources that are based on local data and examples from Turkey are very limited. To address these needs, the Climate Crisis Awareness Resources Database Project aims, firstly, to create a comprehensive database by way of bringing together

verbal, visual, and audial resources that explain the reasons and consequences of climate crisis, future projections, suggestions for problem-solving, and existing practices toward the solution and making them accessible in the Turkish language. Secondly, the Project also aims to create easy-to-use resources such as infographics based on local data and examples and offer them in the database. The database will be available on a project website which will be updated and sustained during the potential next stages of the project work. The materials created during the project will not only be available on the project website, but will also be proposed to Cappadocia University Publications to be published as a print catalogue and an open access e-book.

2. Agriculture Implementation with Unmanned Air Vehicle (UAV)

Project Manager: Dr. Rıfat Benveniste

Start Date: 01.03.2019

Project Duration: 36 Months

Link: <https://bap.kapadokya.edu.tr/projeler/insansiz-hava-araci-ile-tarimsal-uygulamalar>

Abstract: The agricultural sector contributes to the feeding of the population of the country, increasing the employment, self-sufficiency of our country, meeting the raw material needs of the industrial sector and transferring capital to the industry. Due to these contributions, the agricultural sector is very important for our social development and economic development. Since the production in the agricultural sector depends on the nature conditions, the uncertainty in production quantity, quality and efficiency is very high. The production periods of agricultural products are longer than other sectors and they are concentrated in certain times. Due to these uncertainties; it is very important to reduce the effect of natura! factors in production and to fight plant diseases and pests quickly and effectively.

3. Synthesis and Characterization of New Ecofriendly Materials*

Project Manager: Prof. Dr. Baki Hazer

Start Date: 19.10.2020

Project Duration: 36 Months

Link: <https://bap.kapadokya.edu.tr/projeler/cevreye-uyumlu-yeni-malzemelerin-sentezi-ve-karakterizasyonu>

Abstract: In this research project, new ecofriendly polymers based on biodegradable and natural polymers will be prepared. Autoxidation is a reaction between vegetable oils and air oxygen and causes rancidity of the unsaturated oils. The synthesis of novel tannin-functionalized polypropylene copolymers will be designed to inhibit the oxidation of vegetable oils for potential use as packaging materials. For this purpose, chlorinated

polypropylene will be reacted with tannic acid to prepare a series of tannic acid grafted copolymers. Autoxidation of the vegetable oil (ca. linseed oil, linoleic acid) on the new obtained graft copolymer films will be compared with that of the glass petri dish. Oxidation will cause the oligomerization and viscosity will increase. Then the flow times of oxidized vegetable oil will be measured using a capillary viscometer. Additionally, new menthol, salicylic acid and some alkaloid grafted polypropylene and/or polyvinyl chloride copolymers will be synthesized in order to study antioxidant effect. Furthermore, new biodegradable packaging materials will be synthesized from natural polyesters and characterized via physicochemical, optical and mechanical techniques.

4. Improving Hospital Menus and Reducing Food Waste

Project Manager: Prof. Dr. Vesile Şenol

Start Date: 15.10.2020

Project Duration: 36 Months

Link: <https://bap.kapadokya.edu.tr/projeler/hastane-menulerinin-iyilestirilmesi-veyemek-israfinin-azaltilmasi>

Abstract: Catering is the art of providing food and beverage services to people who work collectively or in places where elderly people, patients and children. Adequate and balanced nutrition in accordance with gender, age and physical activity of the individual is the most important factor which affects physical, emotional and social development. Medical nutrition treatment plays a major role in the therapy of oncology. Ideal medical nutrition 'therapy is very important for the patient to feel good and contribute to the healing process before, during and after treatment. Adequate and balanced nutrition of oncologic patients is really difficult because of cancer and cancer related complications such as hypogeusia, dysgeusia and agezi. As a result, the patient may be malnourished and the patient may become vulnerable to treatment and infections because of malnutrition. Therefore, adequate and balanced nutrition of the patient during cancer treatment is very important in terms of the desired response to treatment. Food waste is one of the most important problems faced by many catering organizations. It is known that nutrients suffer significant losses throughout the production chain and that about 1/3 of the produced foods are wasted without being consumed. If catering service is not suitable for consumers, food waste increases and the consumers can 't get enough sufficient energy and nutrient intake. The aim of this study is to contribute to the adequate and balanced nutrition of patients by improving hospital meals suitable for consumption of pediatric oncology patients and reducing food waste.

5. Reliable Energy Generation Project with High Energy Efficiency And Low Emission Values By Taking Advantage Of The Rock Space Heat Potential Of The Cappadocia Region.

Project Manager: Prof. Dr. Rıfat Yıldız

Start Date: 07.06.2021

Project Duration: 18 Months

Link: <https://bap.kapadokya.edu.tr/projeler/kapadokya-bolgesi-kaya-mekan-isi-potansiyelinden-faydalanarak-enerji-verimliliği-yüksek-düşük-emisyon-değerlerine-sahip-güvenilir-enerji-uretimi-projesi>

Abstract: The heat pump is a system that carries the energy in nature (soil, air or water) into the building as heat by consuming very little energy or cools the building by doing the opposite. The energy consumption remains very low compared to the energy received. For 1 kW energy expenditure, 4-6 times more energy can be obtained according to the source used. Heat pumps are systems that work with the principle of heating the environment by taking the heat of 3 different environments (air, water and soil) and taking advantage of the fact that these 3 environments have higher temperatures than the outside air temperature. The aim of this study is to reveal that in addition to these 3 sources, rock spaces can also be used as a heat source by making use of the fact that rock spaces are much hotter in summer and winter than outside. For example, a ground source heat pump can be made by taking the energy from the ground; Air Source is the application of the use of energy in the air. The biggest difference is that the COP value of the air source heat pump changes with the weather conditions. Therefore, energy efficiency analysis should be done very well. Today's air source heat pumps can operate even at -20°C but operating at -20°C for a long time may cause excessive energy consumption. They do not affect annual energy consumption in short-term reductions. The capacities of air source heat pumps decrease as the air temperature decreases. In other words, the minimum air temperature should be taken as a basis in the selection. In the project, the effect of a heat pump outdoor unit to be placed in a rock-hewn space will be measured compared to a heat pump outdoor unit to be placed in an outdoor space (Figure 1). By making use of the heat holding ability of the rock structure, the heating time of a certain volume, the heating/cooling cost and the carbon monoxide level produced will present the project outputs concretely. According to the report of the Energy Efficiency Council [EEC [(2021)], it is stated that the heat pump can produce 10-15 times more energy than the energy consumed by the compressor that draws the most power in the system. Today, this rate is 6 times in heat pumps used in homes. If this energy is produced from renewable energy sources, energy efficiency can decrease at much higher rates (Alan Pears and Geoff Andrews, 2016).

6. Reducing Waste by Increasing Taste Project

Project Manager: Prof. Dr. Vesile Şenol

Start Date: 30.11.2020

Project Duration: 18 Months

Link: <https://bap.kapadokya.edu.tr/projeler/lezzeti-arttirarak-israfi-azaltalim-projesi>

Abstract: Although there is enough food produced for everyone in the world, approximately 25 thousand people die every day due to hunger and hunger-related causes. In our country, 14.5 million food items are thrown away every year. This loss can be reduced by preventing food waste through various activities. However, it is much more important to be able to do this in our schools, universities, training centers. In this direction; In the project, it is aimed to reduce and prevent food waste in the Cappadocia University Central cafeteria. In the project, which will consist of four stages, the current situation (daily, monthly waste amount) will be analyzed first. In the second stage, awareness activities will be carried out in food service areas with questionnaires, brochures and visuals to prevent food waste. With the analysis of the current situation, improvement studies will be carried out in food recipes to prevent food waste. In the third stage, the recipes prepared with improvement suggestions will be prepared and presented in the central cafeteria. At this stage, the amount of waste will be determined. The results will be concretized by comparing the obtained data. In the fourth stage, if food waste still occurs, compost production will be carried out on a pilot scale.

7. Adaptation of the Exchanges to Sinasos: A Comparison of Generations

Project Manager: Prof. Rifat Yıldız

Start Date: 05.04.2021

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/mubadillerin-sinasosa-uyumu-kusaklarin-karsilastirilmesi>

Abstract: The present Project subjects the Lausanne exchangees* who were settled in Sinasos Village of Nevşehir Province of Turkey (currently Mustafapaşa) after migrated from the Jerveni Village (currently Agios) of the Kastoria Province of Greece (currently Kastoria). This subject is significant since displaced group of people differ from host societies in terms of ethnicity, language, custom and traditions although homogenous nation state was targeted to be created with Lausanne Convention*. In this sense, present Project investigate the questions as follows: how the exchangees have transformed from the time they were first settled in Mustafapaşa to the present, what kind of difficulties the exchangees faced in the process of adaptation to village life, and whether the culture and identity of exchangees continues today. These issues are brought to the agenda with the circle of the research question: "Is the identity of exchangees, which emerged within the scope of the 1923 Lausanne Convention, kept alive today by the exchangees?"

The hypothesis of the present Project is that the exchangees who migrated from Jerveni to Mustafapaşa keep alive their identity by transferring their culture to generations. The correctness or falsification of this hypothesis will be tested through a fieldwork study.

The scope of the field work will be composed of individual and focus group interviews to be held during the project with the sample selected from the exchangees living in Mustafapaşa Village.

When the Project is completed, by comparing generations, it will be revealed whether the exchangees and host society, who alienated from each other due to living in diverse regions although they were Ottomans, evolve from the alienation process to the harmonization process. Thanks to the present project, it will be clarified whether the identity of the exchange is protected or not.

*Lausanne exchangees refers to “Lozan mübadilleri.”

*It is also called as “the Convention Concerning the Population Exchange between Greece and Turkey.”

8. Investigation of SARS-COV 2 Seroprevalence in Young Individuals

Project Manager: Dr. Rukiye Yalap

Start Date: 30.11.2020

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/genc-bireylerde-sars-cov2-seroprevalansinin-arastirilmasi-projesi>

Abstract: The SARS-Cov2 virus, which has affected the whole world, has infected nearly three million people so far, while two hundred thousand of these cases have died. Although it is accepted that the groups most affected by the pandemic are individuals over the age of 65 and with chronic diseases, it is known that infection occurs among adolescents and even children and there are significant differences in the course of individuals according to their immune system. More than half of the individuals infected with Covid-19 have the disease; It has been reported to be transmitted from asymptomatic carriers or patients in the pre-symptomatic stage.

Detection of seropositivity in young individuals will make an important contribution to epidemiological data in that region. That is, the detection of IgM positive individuals in the young age group who had the disease without showing any symptoms, and by providing the chance of isolation in the period when the contagiousness of the disease is highest, preventing social transmission can be provided.

In this study, it was aimed to determine the SARS-Cov2 IgM and IgG seropositivity in the young age group, and how seropositive individuals underwent the disease process, their level of knowledge about compliance with the measures and protection. The main reason for the rapid spread of the virus around the world is that people who do not show symptoms do not comply with isolation practices. With the survey study, information about the approaches, knowledge levels and attitudes of young people, who are the most

important group among the silent carriers, will be obtained and the carrier level will be determined with the antibody test to be made simultaneously with the questionnaire.

9. GastroCappadocia

Project Manager: Dr. Ezgi Demir Özer

Start Date: 07.06.2021

Project Duration: 18 months

Link: <https://bap.kapadokya.edu.tr/projeler/gastrokapadokya>

Abstract: Cappadocia region is one of the most important tourism centers of Central Anatolia, known for its rich natural and historical beauties. However, it has a low level of awareness with gastronomy. In many studies, it has been stated that tourists coming to a destination spend the most on gastronomy. Considering the tourism activity of the region; discovering, promoting and explaining of local foods will contribute to the recognition of the region. The website enriched with visuals that can accurately transmit the data for people who will come to the region will be an important source of information. In the project designed with this aim, rich cuisine, food and beverage establishments, and local products of the provinces of the Cappadocia region will be searched and promoted via the website.

10. The Effect of Balance Training on Quality of Life in Those Who Have Survived COVID-19: The Case of Cappadocia University

Project Manager: Lecturer Kadirhan Doğan

Start Date: 07.06.2021

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/covid-19-gecirenlerde-denge-egitiminin-yasam-kalitesine-etkisi-kapadokya-universitesi-ornegi>

Abstract: COVID-19 is a pandemic disease that pushes the whole world to quarantine (1). The decrease in routine physical activities in daily life, such as not going out due to fear of pandemic, reduction in commuting due to working from home, and closing of gyms, increased the number of sedentary individuals (2). Many studies have proven that sedentary life has negative consequences on the musculoskeletal and nervous system (3-5). Coordinated work of the musculoskeletal and nervous systems is essential for body balance (6). Since the COVID-19 pandemic negatively affects these two systems, it is possible that it will also affect the body balance. Our hypothesis is that the COVID-19 pandemic has negatively affected body balance. Cappadocia University students who have suffered from COVID-19 will participate in this project. In the project, 2 groups of 15 people will be formed randomly. The balance of the students who filled out the Information and Consent Form will be checked with the "Y" balance test after obtaining the information about age, gender, COVID-19 passing date, etc. Short Form-36 will be used to measure the quality of life. Balance training developed by the researchers will be

given to the experiment group for 3 weeks, while the control group will not be trained. At the end of the process, balance with Y test and quality of life with Short Form-36 will be measured and compared with before.

11. Comparison of the Effects of Different Exercise Trainings on the Cardiovascular System in Patients with COVID-19

Project Manager: Lecturer Deniz Tuğyan Ayhan

Start Date: 05.07.2021

Project Duration: 12 months

Abstract: Covid-19 is a pandemic disease that has ended from SARS-COV2 and has become a familiar public health (1). The most common symptoms of the disease are fever, myalgia, headache, cough and dyspnea. In the staging method used in the diagnosis and treatment of Covid-19 patients; of stage 1; primarily targeting the respiratory system, in stage 2; It has been reported that lung involvement is observed and more serious problems such as respiratory failure and cardiopulmonary collapse develop in stage 3. Regardless of its stage, Covid-19 has a negative effect on the respiratory system. The effect of exercise on the cardiovascular system has been studied in diseases such as COPD and asthma. Commonly practiced exercises; endurance (endurance or aerobic) or strengthening (resistance) exercises (6). In endurance exercises, the increase in muscle capillarization and myoglobin facilitates oxygen distribution (7) Endurance exercises are exercises such as running and cycling, where large muscle groups are exercised. Work at moderate intensity for at least 6 weeks, 3-5 days a week for at least 20-30 minutes (8). Muscle hypertrophy occurs with strengthening exercises and increases the oxidative capacity of the muscle (9). Strengthening exercises have an effect not only on the muscle being strengthened but also on general health (7, 10). Our aim in the project is to determine which exercise training will be effective in the patient group with Covid-19. Thus, post Covid-19 patients will be able to apply the right exercise in a short time and get rid of respiratory system problems caused by Covid-19 more quickly. Cappadocia University students who have had Covid-19 will participate in this project. In the project, 2 groups of 10 people will be randomly formed. Students who fill out the Information and Consent Form will be given endurance exercises to one group and strengthening exercises to another group, and they will be asked to do the exercises for 6 weeks, after information such as age, gender, Covid-19 transmission date, etc. Before and after the training, body composition (Tanita BC 601), blood pressure (Omron sphygmomanometer), mean arterial blood pressure (manual with formula), oxygen saturation and pulse values (OLED pulse oximetry) will be measured and the results will be recorded.

12. Çatalhöyük Thematic Year

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.11.2021

Project Duration: 3 months

Link: <https://bap.kapadokya.edu.tr/projeler/catalhoyuk-tematik-yili-projesi>

Abstract: In line with the Turkey 2023 Tourism Master Plan prepared within the framework of the Eleventh Development Plan and Development Plan, in order to increase Konya's share of the growing Turkish tourism cake and to offer a different and sustainable destination to the future visitors, Cappadocia University Social and Strategic Studies Application and As a result of the project carried out by the Research Center, Konya 2025 Tourism Master Plan was prepared and shared with the public. For this purpose, Çatalhöyük, which is the main source of the world neolithic theory and has a special place in Anatolian and World archeology with its unique feature in many respects, has been declared as the 2022 Thematic Year, with suitable accommodation and accessibility infrastructure, on the 10th anniversary of its inclusion on the UNESCO World Heritage List. Konya is important in terms of contribution to tourism. The fact that Çatalhöyük was announced as the theme of the year in Turkey for the first time within the scope of this project expresses the original value of the project.

13. Balıkesir 2023 Tourism Development Roadmap

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.05.2022

Project Duration: 6 months

Abstract: This project was carried out with a joint working group formed by Balıkesir Provincial Directorate of Culture and Tourism, Ministry of Culture and Tourism, Turkish Tourism Promotion and Development Agency and Cappadocia University. The outputs of the project are the preparation of the "Balıkesir Tourism Road Map" document, which includes the targets set for Balıkesir tourism in many areas, especially the number of tourists and tourism income, and the strategies to be followed in achieving these goals, and the presentation of this document and the delivery of the document ready for printing. In the Balıkesir Tourism Roadmap document, a general analysis of Balıkesir tourism is made and suggestions for increasing the number of tourists and income. In addition, the document includes the main policies showing how to reach the tourist number and income targets and the sub-targets related to these policies.

14. Çanakkale 2023 Tourism Development Roadmap

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.05.2022

Project Duration: 6 months

Abstract: This project was carried out with a joint working group formed by Çanakkale Provincial Directorate of Culture and Tourism, Ministry of Culture and Tourism, Turkish Tourism Promotion and Development Agency and Cappadocia University. The outputs

of the project are the preparation of the "Çanakkale Tourism Road Map" document, which includes the targets set for Çanakkale tourism in many areas, especially the number of tourists and tourism income, and the strategies to be followed in reaching these targets, and the presentation of this document and the delivery of the document ready for printing. In the Çanakkale Tourism Roadmap document, a general analysis of Çanakkale tourism is made and suggestions for increasing the number of tourists and income. In addition, the document includes the main policies showing how to reach the tourist number and income targets and the sub-targets related to these policies.

15. Signboardation and Promotion of Mustafapaşa

Project Manager: Dr. Leila Akbarishahabi

Start Date: 01.03.2021

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/mustafapasinin-tabelalandirilmasi-ve-tanitimi-projesi>

Abstract: Mustafapaşa, one of the Cappadocia campuses of Cappadocia University, connected to Ürgüp, is a village built on the fringes of five valleys and containing historical buildings that exhibit a very suitable texture for the environment. The vast majority of the historical buildings in the village are those that were built until the population change in 1924-26. The residential texture of Mustafapaşa offers a unique architectural richness in terms of both superior workmanship and detail quality, topography and climate-compatible construction (which is the source of the ecological design), and highly diversified plan-facade setup.

16. KÜN Campus Project

Project Manager: Dr. Leila Akbarishahabi

Start Date: 05.07.2021

Project Duration: 6 months

Link: <https://bap.kapadokya.edu.tr/projeler/kun-yerleske-projesi>

Abstract: The goal of the project; Carrying out scientific research on the buildings in the campuses of Cappadocia University, which are of great importance in terms of their historical and architectural features, understanding how they have moved from history to the present by revealing their past, creating and finding images of these buildings showing their old and present situations, and finally, the main features of these structures. It is the dissemination of the knowledge gained by establishing a website of which it is the core. These activities to be carried out within the scope of the project will ultimately create awareness about these structures. Cappadocia University students and staff will act more consciously to transfer these structures to future generations.

17. Muğla 2023 Tourism Development Roadmap

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.06.2022

Project Duration: 6 months

Abstract: This project was carried out with a joint working group formed by Muğla Provincial Directorate of Culture and Tourism, Ministry of Culture and Tourism, Turkish Tourism Promotion and Development Agency and Cappadocia University. The outputs of the project are the preparation of the document named "Muğla Tourism Promotion and Development Roadmap", which includes the targets determined in many areas, especially the number of tourists and tourism income for Muğla tourism, and the strategies to be followed in reaching these targets, and the presentation of this document, and the document is delivered ready for printing. . In the Muğla Tourism Promotion and Development Roadmap document, a general analysis of Muğla tourism is made and suggestions for increasing the number of tourists and income. In addition, the document includes the main policies showing how to reach the tourist number and income targets and the sub-targets related to these policies.

18. Tourism Integration Project of Cappadocia and Erciyes Destinations

Project Manager: Dr. Duygu Bora

Start Date: 07.06.2021

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/kapadokya-ve-erciyes-destinasyonlarinin-turizm-entegrasyonu-projesi>

Abstract: Tourism destinations are accessible destinations that offer natural, cultural, economic and psychological attractions to the tourist consumer, create goods and services through tourism enterprises, and increase their recognition with activities (Kozak et al., 2014). The rapid change in the demands, expectations and habits of today's tourists has increased the competition between destinations, in this environment, destinations have had to create competitive advantages in order to continue their development and exist in the future. With the Cappadocia and Erciyes tourism integration project, it is aimed to give both destinations a competitive advantage and to offer a holistic travel experience in line with the demands and expectations of tourists. A holistic approach involving all stakeholders is important for the development of a destination. This approach requires paying attention to each unit operating in the destination, as well as attaching importance to the relationships and interactions between units, within the destination and between destinations (Akbaba, 2012). In order to realize these requirements, it is planned to organize a workshop with all stakeholders of Cappadocia and Erciyes tourism destinations within the scope of the project, and to evaluate the issue of destination integration in the workshop. It is planned to prepare an evaluation report in line with the decisions to be made at the end of the workshop. In line with the evaluation report, it is

aimed to organize an international tourism conference. With this conference, it is thought that Cappadocia and Erciyes destination integration can be promoted internationally.

19. A Common Horizon for Humanity and the Planet

Project Manager: Prof. Dr. Hasan Ali Karasar

Start Date: 01.09.2021

Project Duration: 20 months

Link: <https://commonhorizon.kapadokya.edu.tr/en/>

Abstract: The world is passing through an extremely troubled period in its history, with a seemingly new challenge encountered at every turn. Serious economic, social, cultural, environmental and political crises at a global level are exacerbated by those being felt in individual countries. The challenges we are facing take a variety of forms, from financial collapses to climate change, from international terrorism to regional conflicts, and from the refugee problem to xenophobia.

20. Comparison of SARS-CoV2 Antibody Response with LFIA and ELISA Methods

Project Manager: Dr. Rukiye Yalap

Start Date: 05.04.2021

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/sars-cov2-antikor-yanitinin-lfia-ve-elisa-yontemleriyle-karsilastirilmesi>

Abstract: Coronaviruses are RNA viruses that cause disease in the upper and lower respiratory tract in humans and animals. A new coronavirus causing pneumonia was detected in Wuhan, China, in December 2019. Shortly after, the virus was defined as "severe acute respiratory syndrome coronavirus-2" and the World Health Organization named the disease "coronavirus disease-2019 (COVID-19)". (Mousavizadeh, L; Ghasemi, S, 2020). While 2.5 million people have died in the world due to the Covid-19 pandemic so far, approximately 116 million people have been infected with the virus (WHO, 2021). Many studies have been conducted on the effectiveness of PCR and rapid antigen tests for detecting the virus in the early periods of the pandemic (Chen,2020). The antibody response that develops in healed patients has become an important research subject, especially after the first wave of the pandemic.

21. Sustainable Travel Index Analysis

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.09.2021

Project Duration: 6 months

Abstract: Euromonitor International published the Sustainable Travel Index in 2021. Turkey ranks 66th among 99 countries in this index. Within the framework of Turkey's

long-term strategies, it is necessary to be at the top of the index in terms of increasing tourism revenues, ensuring sustainability in tourism and gaining competitive advantage. In this context, the research questions planned to be answered in the project are as follows.

22. İstanbul 2023 Tourism Development Roadmap

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.06.2022

Project Duration: 4 months

Link: <https://bap.kapadokya.edu.tr/projeler/istanbul-2023-turizm-gelisim-yol-haritasi->

Abstract: This project was carried out with a joint working group formed by Istanbul Provincial Directorate of Culture and Tourism, Ministry of Culture and Tourism, Turkish Tourism Promotion and Development Agency and Cappadocia University. The outputs of the project are the preparation of the "Istanbul Tourism Roadmap" document, which includes the targets set for Istanbul tourism in many areas, especially the number of tourists and tourism income, and the strategies to be followed in achieving these goals, and the presentation of this document and the delivery of the document ready for printing. In the Istanbul Tourism Roadmap document, a general analysis of Istanbul tourism is made and suggestions for increasing the number of tourists and income. In addition, the document includes the main policies showing how to reach the tourist number and income targets and the sub-targets related to these policies.

23. SusRAT - Sustainable Capacity Development for Rural and Authentic Tourism

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.02.2022

Project Duration: 3 months

Abstract: The main aim of the SusRAT project is to increase the awareness and develop the capacity of the selected SMEs in the rural and authentic tourism sector in order to improve their environmental, financial and cultural sustainability as regards to-be-defined KPIs (such as annual revenue, profit, employment, carbon footprint, etc.). The objectives of SusRAT can be summarized as inclusion of at least 80 SMEs from at least 3 countries (at least 20 SMEs per relevant country) to the project; to increase the capabilities in such a manner that at least 80% of SMEs shall achieve ISO 14001, and 50% of them to achieve EMAS certification.

24. Turkey Sustainable Tourism Standards

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.03.2022

Project Duration: 24 months

Abstract: Turkey aims to increase tourism revenues by taking into account the balance of protection-utilization of tourism supply resources by coming to the fore in sustainability, which is one of the important elements of international competition in tourism:

- What is the relationship between sustainable tourism and tourism competitiveness?
- Which indicators should be considered for sustainable tourism management?
- Which criteria should be adopted on the basis of the accommodation sector related to sustainable tourism?

With this project, Cappadocia University Social and Strategic Studies Application and Research Center, Global Sustainable Tourism Council (GSTC), Turkey Tourism Promotion and Development Agency (TGA) and the Ministry of Culture and Tourism in cooperation with the determination of the international sustainable tourism criteria and standards of our country and this project. It aims to recognize the standards by international organizations. This project aims to contribute to the international competitiveness of Turkish tourism within the framework of public-private sector and academic cooperation in the field of sustainability in tourism.

25. Updating the Turkey Tourism Master Plan

Project Manager: Dr. Halil Burak Sakal

Start Date: 16.08.2021

Project Duration: 4 months

Abstract: This project investigates how world and Turkish tourism is affected by Covid-19, how tourism policies should be updated with the effect of Covid-19, and how sustainability policies are affected by Covid-19. The aim of the project is to update the Tourism 2023 master plan document within the framework of the researches carried out by the T.C. It is submitted to the Ministry of Culture and Tourism.

26. Konya Tourism Master Plan Reporting and Presentation

Project Manager: Dr. Halil Burak Sakal

Start Date: 01.04.2022

Project Duration: 3 months

Abstract: This project was carried out with a joint working group formed by Konya Metropolitan Municipality and Cappadocia University. The outputs of the project are the preparation of the reporting outputs for the document named "Konya Tourism Master Plan", which includes the targets set for Konya tourism in many areas, especially the number of tourists and tourism income, and the strategies to be followed in reaching these targets, transferring the outputs to the digital environment, making and presenting their controls and visualizations. . In the Konya Tourism Master Plan Reporting and Presentation project, a general analysis of Konya tourism was made and a report was

made by taking into account the suggestions made for the increase in the number of tourists and income, the activities to be done and planned regarding the suggestions, the completion and progress of the activities. In addition, the main policies showing how to reach the tourist number and income targets and the sub-targets related to these policies are included in the project.

27. Konya Çatalhöyük Region Balloon Tourism Development and Cultural Integration Project

Project Manager: Dr. Halil İbrahim Ünser

Start Date: 01.10.2021

Project Duration: 6 months

Link: <https://bap.kapadokya.edu.tr/projeler/konya-catalhoyuk-balon-turizmi-ve-kultur-entegrasyonu-projesi>

Abstract: Within the scope of the project, the suitability of Çatalhöyük for hot air balloon flights and its cultural integration, located within the borders of Konya province, are discussed.

28. Mustafapaşa Square Arrangement Project

Project Manager: Dr. Halil İbrahim Ünser

Start Date: 01.03.2022

Project Duration: 6 months

Link: <https://bap.kapadokya.edu.tr/projeler/mustafapasa-meydan-duzenleme-projesi>

Abstract: Within the scope of the project, urban design and implementation activities are carried out on the arrangement of the square in the center of Mustafapaşa Village, which contains the best preserved examples of civil architecture in the Cappadocia region, without disturbing its historical, cultural and natural structure.

29. Lost Instruments of Anatolia

Project Manager: Dr. Nükhet Okutan Davletov

Start Date: 22.01.2021

Project Duration: 18 months

Link: <https://anadolu.kapadokya.edu.tr/>

Abstract: Lost Instruments of Anatolia Project aims to bring to light the instruments that emerged as a result of the civilizations that lived in the Anatolian lands and the social events and phenomena experienced on them. Anatolian geography is home to a very rich culture in terms of organology due to its history, geographical location, having many trade ports in the past and being on migration routes. In order to prevent this culture from disappearing, its registration is the main goal of this project.

Lost Instruments of Anatolia Project, implemented with the support of the Cappadocia University BAP Commission, aims to unearth music and instruments, which are a very important part of the thousands of years of cultures of civilizations that have lived in these lands, and to prevent this accumulation from disappearing by recording it. With the project, 25 instruments that were made and played in different parts of Anatolia in different periods of history were identified and produced in accordance with their original form. In addition, information about these instruments from which material and how they were produced, when they were used and the sounds they made were compiled and presented to the public in written and audio-visual forms. Manufactured instruments are exhibited in the exhibition in this Cappadocia University Ürgüp Campus.

30. Mustafapaşa Best Tourism Village Awareness Development Project

Project Manager: Dr. Şükran Ünser

Start Date: 01.06.2022

Project Duration: 12 months

Link: <https://mustafapasakapadokya.org>

Abstract: Mustafapaşa Village of Ürgüp, where the Cappadocia University headquarters is located, was declared one of the best tourism villages in the world by the United Nations World Tourism Organization (UNWTO) on December 2, 2021

With the World's Best Tourism Village Program launched in May 2021, UNWTO has identified tourism villages all over the world that adopt innovative approaches in rural tourism and in line with the Sustainable Development Goals. The Best Tourism Villages Program aims to emphasize the power of tourism in rural development and increase the well-being of local communities and to encourage the elimination of inequalities of opportunity faced by women, youth and disadvantaged groups with the contribution of tourism; underlines that it is possible to transform the natural environment, biological and cultural diversity, local values, lifestyle of the villages into economic value by focusing on tourism.

In order for Mustafapaşa to continue its success in rural tourism, the meaning of the title of Best Tourism Village and the concept of sustainable tourism, why this title was given to Mustafapaşa, the historical and cultural importance of Mustafapaşa, the importance of preserving natural and cultural assets, what the title is for Mustafapaşa. It is of vital importance to be knowledgeable about such issues as the University's role in this issue, which brings opportunities and obligations such as In this context, Mustafapaşa stakeholders are defined as Mustafapaşa people, Mustafapaşa investors and employees (accommodation facilities, restaurants, factories, etc.), Mustafapaşa primary school students and teachers, Tourist guides, Tourism agencies and tour operators, KÜN employees, KÜN students, KÜN Montessori Kindergartens.

Cappadocia Studies Application and Research Center (KAM) implemented the Mustafapaşa Best Tourism Village Awareness Development Project as part of its social contribution. Within the scope of the project, it is planned to provide information to Mustafapaşa stakeholders.

It is aimed to extend the information meetings to be held for Mustafapaşa stakeholders over two years and to discuss the concept of sustainable tourism, the meaning of the title of Best Tourism Village, and the historical and cultural importance of Mustafapaşa.

31. E-Book Project for Visually Impaired Individuals

Project Manager: Prof. Dr. Vesile Şenol

Start Date: 30.11.2020

Project Duration: 12 months

Link: <https://bap.kapadokya.edu.tr/projeler/kunes--gorme-engelliler-icin-sesli-kutuphane--projesi>

Abstract: E-Book Project for Visually Impaired Individuals Project is a project designed for visually impaired individuals to have equal opportunities in education. As it is known, disability is a concept that has the potential to cause problems in accessing some public resources and services. Today, the studies carried out in the context of “Rights of the Disabled” impose a responsibility on all public institutions and organizations to improve the participation rights of the disabled; It brings with it the necessity of constructing all welfare services, especially education and health, in a way that is sensitive to the rights of the disabled. At this point, "Visually Impaired Technologies" are being developed in order to provide especially the visually impaired people with the support they need in education, and it is desired to respond to the needs of this disability group with technological development. Studies show that most of the problems experienced by the visually impaired in accessing education are experienced at the point of access to academic resources used in education. Based on this finding, in order to solve this basic problem of the visually impaired in higher education, universities, in particular, should take responsibility for other institutions and ensure that these students have equal rights with other students throughout their education life. With this aim in mind, the KÜN SESLI LIBRARY Project, which is desired to be established within the body of Cappadocia University, will contribute to the access of all visually impaired students in higher education to academic resources and to improve accessibility opportunities in education on behalf of these students.

Moreover, the faculty affiliated with Cappadocia University continued to produce academic publications in the related subjects in international scholarly publications and were encouraged and funded to participate in key international academic events during 2021-2022. A total of 61 (to be compared with 30 in the 2019-2020 reporting period, and 39 in the 2020-2021 reporting period) academic works (books, book chapters, and articles) were published either by

Cappadocia University affiliated faculty or by other scholars contributing to the scholarly journals published by Cappadocia University Press. The list of the publications is given below:

1. Stefano Rozzoni, David Lombard, The Pastoral: New Trajectories in the Anthropocene, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 126-133
2. Adrian Tait, Towards the Post-Pastoral: A New Materialist Reading of Richard Jefferies's Amaryllis at the Fair, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 134-145
3. Robert Newton, 'Insidious Pollen': Toxicity and the Post-Pastoral in J.A. Baker's The Peregrine, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 146-162
4. Pierre-Élie Pichot, Ecology and the Pastoral in Recent French Poetry: Jean-Claude Pinson, Pierre Vinclair, and Olivier Domerg, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 163-176
5. Laura op de Beke, Pastoral Videogames: Industry, Entropy, Elegy, , Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 177-191
6. Brad Tabas, On Astropastoral in the Anthropocene, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 192-206
7. Gülşah Göçmen, Book Review: Blue Ecocriticism: The Oceanic Imperative, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 207-210
8. Joanna C. Dobson, Book Review: Endlings: A Collection of Poems About Extinct Animals, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 211-216
9. prOphecy sun, Migratory Horizons, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 217-219
10. Randy Lee Cutler, Andrew Rewald, Mineral Garden, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 220-231
11. Tara Nicholson, Agents of Change: Documenting Arctic Rewilding within the Anthropocene, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 232-243
12. Ella Tetrault, Andrew Bateman, Flyways, Highways, and Byways, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 244-252

13. Jay Pahre, Flipping the Island, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 253-262
14. Darren Fleet, Jim Holyoak, Life Like Us, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 2, No:2, December 2021, 263-275
15. Serpil Oppermann, Entangled Stories of Life: Narrative Agencies and “Ethics of Worlding” in the Quantum Realm, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 1-15
16. Renée Hoogland, Citizen Sensing with Soil, and the Intimate Alterity of Narrative Distance, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 16-28
17. Khanh Nguyen, Trees of Our Times: Representing Arboreal Temporalities in Ali Smith’s Autumn and Richard Powers’ The Overstory, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 29-40
18. Alejandro Rivero-Vadillo, Challenging Solarpunk’s Technophilia through Degrowth Imaginaries in Julia K. Patt’s “Caught Root” and Linda Jordan’s “Reclaiming”, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 41-55
19. Luke Rodewald, Book Review: Climate Lyricism, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 56-61
20. Zümre Gizem Yılmaz Karahan, Book Review: Eco Soma: Pain and Joy in Speculative Performance Encounters, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 62-66
21. Nazlı Tümerdem, Igor Medarić, Almost 9 Kilometres in Istanbul’s Newfound Land(scape), Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 67-75
22. David Tagnani, Transdefinito, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 76
23. Craig Santos Perez, Nature Haiku; Disaster Haiku, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 77-78
24. Arlene Plevin, Animal Love, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 79-80
25. prOphecy sun, Residual Traces of Attunement, Ecocene: Cappadocia Journal of Environmental Humanities, Vol 3, No:1, June 2022, 81-83

26. Sara Kay Maston, Wild Figurations, *Ecocene: Cappadocia Journal of Environmental Humanities*, Vol 3, No:1, June 2022, 84-92
27. Vicky Hunter, A Holding Space, *Ecocene: Cappadocia Journal of Environmental Humanities*, Vol 3, No:1, June 2022, 93-96
28. Monique Motut-Firth, Travelling Through Troubled Landscapes, *Ecocene: Cappadocia Journal of Environmental Humanities*, Vol 3, No:1, June 2022, 97-106
29. Keith Langergraber, A Wilderness of Smoke and Mirrors: Exploring Interstitial Spaces in the Anthropocene, *Ecocene: Cappadocia Journal of Environmental Humanities*, Vol 3, No:1, June 2022, 107-114
30. Annie Briard, On Walking in Possible Lands, *Ecocene: Cappadocia Journal of Environmental Humanities*, Vol 3, No:1, June 2022, 115-122
31. Second International Environmental Humanities Conference: Critical Animal and Plant Studies May 16-18, 2022 ENVIRONMENTAL HUMANITIES CENTER CAPPADOCIA UNIVERSITY CONFERENCE ABSTRACTS
32. KAÇAR, B., Turhan, E., DALKIRAN, A., & KARAKOÇ, T. H. (2022). Green Airport building certification comparison a practical approach for Airport Management. *International Journal of Green Energy*, 0–0. Doi: 10.1080/15435075.2022.2076236
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38. Sakal, H. B., & Tanrisever, O. (2022). Water, Energy and Environment Nexus. In O. F. Tanrisever & H. B. Sakal (Eds.), *Water, Energy and Environment in Eurasia* (1st ed., pp. 21–44). Cappadocia University Press.
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42. Tanrisever, O. F., Sakal, H.B. (eds). (2022). *Water, Energy and Environment in Eurasia*. Nevşehir: Cappadocia University Press.
43. Güler, M. Ç. (2022). Water and Energy Security in the Case of Armenia. In O. F. Tanrisever & H. B. Sakal (Eds.), *Water, Energy and Environment in Eurasia* (1st ed., pp. 103–122). Cappadocia University Press.
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15. CAPPADOCIA UNIVERSITY PRESS ENVIRONMENTAL HUMANITIES SERIES

The Environmental Humanities Series of Cappadocia University Press primarily aims to support the dissemination of local and global knowledge produced in the field of Environmental Humanities in the Turkish academy and society.

The series publishes Turkish translations of influential theoretical books and other original research in the field, as well as English-to-Turkish or Turkish-to-English translations of works reflecting world literature’s response to the Anthropocene and climate crisis.

Series Editor: Sinan Akıllı (Cappadocia University); **Advisory Board:** Serpil Oppermann (Cappadocia University), Aytül Özüm (Hacettepe University), Nurten Birlik (Middle East Technical University), Özlem Ögüt Yazıcıoğlu (Boğaziçi University), Barış Ağır (Osmaniye Korkut Ata University), Fatma Aykanat (Cappadocia University), Can Batukan (Paris Diderot University), Oya Bayılmış Ögütçü (Adıyaman University), M. Sibel Dinçel (Cappadocia University), Meliz Ergin (Koç University), Gülşah Göçmen (Aksaray University), Ekin Gündüz Özdemirci (Cappadocia University), Burcu Kayışçı Akkoyun (Koç University), Emre Koyuncu (Ankara University), Pelin Kümbet (Kocaeli University), Murat Ögütçü (Adıyaman University), Hatice Övgü Tüzün (Bahçeşehir University), Kerim Can Yazgünoğlu (Niğde Ömer Halisdemir University), Zümre Gizem Yılmaz (Ankara Social Sciences University), Hakan Yılmaz (Burdur Mehmet Akif Ersoy University)

Series websites is available in English at the following URL: <https://kapadokyayayinlari.kapadokya.edu.tr/en/yayinlar/environmental-humanities/>

In the 2020-2021 academic year, the two Turkish books below were published in the series.

“*Gezegeenin Geleceği: Kaygılar ve Umutlar*” (*The Future of the Planet: Concerns and Hopes*) *Selected Short Stories* which was the output of the second short story competition organized by the Department of Turkish Language and Literature of Cappadocia University and targeted high school students who were expected to submit stories especially in the genres of utopia and dystopia. To access the e-book as an open access resource in Turkish, please visit: <https://kapadokyayayinlari.kapadokya.edu.tr/en/yayin/the-future-of-the-planet-concerns-and-hopes-selected-stories/> Please also see below “2020 Short Story Competition” for details.

The other publication of the series was a Turkish translation of Simon C. Estok’s influential book *The Ecophobia Hypothesis* (Routledge, 2018). The online launch event of *Ekofobi Hipotezi* (<https://kapadokyayayinlari.kapadokya.edu.tr/yayin/ekofobi-hipotezi/>) on June 4, 2021 was attended by Simon C. Estok as well. Please see event details at <https://kapadokya.edu.tr/etkinlikler/simon-c-estok-ile-ekofobi-hipotezi-kitap-lansmani>.

In the 2021-2022 academic year, the Turkish title below was published in the series:

Yusuf Gökkaplan (Ed.), “*Teknoloji ve İnsan*” Seçme Öyküler, Çevreci Beşeri Bilimler Serisi (Environmental Humanities Series), Kapadokya Üniversitesi Yayınları, 2022, ISBN: 978-605-4448-25-8, URL: <https://hdl.handle.net/20.500.12695/1622>

16. ENVIRONMENTAL SUSTAINABILITY IN EXTRACURRICULAR ACTIVITIES

Cappadocia University, in line with its objectives to increase the number of activities on environmental awareness and protection in particular and sustainability in general, continued to plan and realize several activities about environment and sustainability in the academic year of 2021-2022.

Events related to environment and sustainability hosted or organized by the university in the academic year 2021-2022 are listed below:

1. Workshop: “Local Product Usage in Restaurants, Difficulties and Benefits”, 23.08.2022 (<https://kapadokya.edu.tr/etkinlikler/restoranlarda-mevsiminde-yerel-urun-kullanimi-zorluklari-ve-faydalari>)
2. International Cappadocia Health and Life Conference, 24-26.08.2022 (<https://kapadokya.edu.tr/etkinlikler/uluslararasi-kapadokya-saglik-ve-yasam-kongresi>; <http://ichelic.kapadokya.edu.tr/>)
3. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Interstellar Communication as a Common Horizon for Humanity”, 25.07.2022 (<https://kapadokya.edu.tr/etkinlikler/interstellar-communication-as-a-common-horizon-for-humanity>)
4. World Day to Combat Desertification and Drought - Afforestation Event with Young TEMA and Nature Club, 17.06.2022 (<https://kapadokya.edu.tr/etkinlikler/dunya-collesme-ve-kuraklikla-mucadele-gunu>)
5. Environmental Sustainability Leadership Award Announcement Event, 14.06.2022 (<https://kapadokya.edu.tr/etkinlikler/cevresel-surdurulebilirlik-liderlik-odulu>)
6. 3rd Traditional Story Competition Among High Schools: “Technology and Humanity”, 13.06.2022 (<https://kapadokya.edu.tr/etkinlikler/3-geleneksel-liseliler-arasi-oyku-yarismasi-sonuclari>)
7. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “From the ruins of neoliberalism to nowhere”, 07.06.2022 (<https://kapadokya.edu.tr/etkinlikler/from-the-ruins-of-neoliberalism-to-where>)

8. World Bicycle Day Event with Mountain Biking Club, 03.06.2022 (<https://kapadokya.edu.tr/etkinlikler/dunya-bisiklet-gunu>)
9. Nevşehir Provincial Administration Street Animals Project Information Seminar, 02.06.2022 (<https://kapadokya.edu.tr/etkinlikler/nevsehir-il-ozel-idaresi-sokak-hayvanlari-projesi-bilgilendirme-semineri>)
10. Walk for Health Event, 28.05.2022 (<https://kapadokya.edu.tr/etkinlikler/saglik-icin-yuru>)
11. Literature and Environment Symposium (Edebiyat ve Çevre Sempozyumu), 27-28.05.2022 (<http://edebiyatvecevre.kapadokya.edu.tr/>)
12. Congress of Artificial Intelligence and Human Interaction in Business, 21-22.05.2022 (<http://aihb.kapadokya.edu.tr/>)
13. Graduate Seminars: Communicating with the Other: Semiotic Perspectives on Messaging Extraterrestrial Intelligence, 20.05.2022 (<https://kapadokya.edu.tr/etkinlikler/graduate-seminars-communicating-with-the-other-semiotic-perspectives-on-messaging-extraterrestrial-intelligence>)
14. Graduate Seminars: Food Culture Research, 18.05.2022 (<https://kapadokya.edu.tr/etkinlikler/lisansustu-seminerleri-yemek-kulturu-arastirmalari>)
15. Field Trip: Bread Culture Research in Cappadocia with Nihan Aras, 18.05.2022 (<https://kapadokya.edu.tr/etkinlikler/nihan-aras-ile-kapadokyada-ekmek-kulturu-arastirmalari>)
16. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “COVID-19 and Ecophobia Reflex”, 17.05.2022 (<https://kapadokya.edu.tr/etkinlikler/covid-19-and-ecophobia-reflex>)
17. Seminar: “Waste Management and Disposal in Hospitals”, 17.05.2022 (<https://kapadokya.edu.tr/etkinlikler/hastanelerde-atik-yonetimi-ve-bertarafı>)
18. Seminar: “Sustainable Tourism in Turkey and the World”, 16.05.2022 (<https://kapadokya.edu.tr/etkinlikler/turkiye-ve-dunyada-surdurulebilir-turizm>)
19. The 2nd International Environmental Humanities Conference: “Critical Animal and Plant Studies”, 16-18.05.2022 (<https://ehc.kapadokya.edu.tr/international-conferences>)
20. Film Screening: “Return to Chernobyl”, 16.05.2022 (<https://kapadokya.edu.tr/etkinlikler/film-gosterimi-cernobile-donus>)
21. Seminar: Urban Archeology, 14.05.2022 (<https://kapadokya.edu.tr/etkinlikler/kent-arkeolojisi-uzerine>)
22. Mustafapaşa Village Cleaning Up, 14.05.2022 (<https://kapadokya.edu.tr/etkinlikler/mustafapasa-cevre-temizligi>)
23. Graduate Seminar: Journey of Milk to Cheese, 10.05.2022 (<https://kapadokya.edu.tr/etkinlikler/lisansustu-seminerleri-sutun-peynire-yolculugu>)
24. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Rethinking Limits to Growth”, 27.04.2022 (<https://kapadokya.edu.tr/etkinlikler/rethinking-limits-to-growth>)
25. Cappadocia Sustainability Conversations, “Environmental Politics in Turkey (Türkiye’de Çevre Politikaları)”, 22.04.2022 (<https://kapadokya.edu.tr/etkinlikler/kapadokya-surdurulebilirlik-konusmalari-turkiyede-cevre-politikalari>)
26. Seminar: Waste Management in Clinical Laboratories, 21.04.2022 (<https://kapadokya.edu.tr/etkinlikler/klinik-laboratuvarlarda-atik-yonetimi>)

27. Seminar: Radioactive Waste Management, 14.04.2022
(<https://kapadokya.edu.tr/etkinlikler/radyoaktif-atik-yonetimi>)
28. Seminar: Seismic Isolation in Buildings and Bridges, 12.04.2022
(<https://kapadokya.edu.tr/etkinlikler/bina-ve-koprularda-sismik-izolasyon>)
29. Seminar: Energy Efficiency and Consumer Awareness, 11.04.2022
(<https://kapadokya.edu.tr/etkinlikler/enerji-verimliliği-ve-tuketici-bilinci>)
30. Seminar: CBRN (Chemical, Biological, Radiological, Nucleus Threats) and Health Organization in Field - KBRN (Kimyasal, Biyolojik, Radyolojik, Nükleer Tehditler) ve Sahada Sağlık Organizasyonu, 08.04.2022 (<https://kapadokya.edu.tr/etkinlikler/kbrn-kimyasal-biyolojik-radyolojik-nukleer-tehditler-ve-sahada-saglik-organizasyonu>)
31. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Do we live in an age of uncertainty?”, 28.03.2022 (<https://kapadokya.edu.tr/etkinlikler/do-we-live-in-an-age-of-uncertainty>)
32. Event: Collecting Electronic Waste Competition, 25.03.2022
(<https://kapadokya.edu.tr/etkinlikler/elektronik-atik-toplama-yarismasi>)
33. Cappadocia Sustainability Conversations, “Forest Fires and Reforestation Methods”, 22.03.2022 (<https://kapadokya.edu.tr/etkinlikler/orman-yanginlari-ve-yeniden-ormanlastirma-yontemleri>)
34. Seminar: Looking at Current Turkish Literature From a New Window: Eco-literature, Eco-fiction, Ecofeminist Approaches, 10.03.2022
(<https://kapadokya.edu.tr/etkinlikler/gunumuz-turk-edebiyatina-yeni-bir-pencereden-bakis-ekoyazin-ekokurgu-ekofeminist-yaklasimlar>)
35. Graduate Seminars: Universalization of Local Cuisine, 10.03.2022
(<https://kapadokya.edu.tr/etkinlikler/lisansustu-seminerleri-yoresel-mutfagin-evrensellesmesi>)
36. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Contemporary Global Economic Crisis: a World-system Approach”, 08.03.2022
(<https://kapadokya.edu.tr/etkinlikler/contemporary-global-economic-crisis-a-world-system-approach>)
37. Planting Event for Women’s Day with Young TEMA, 08.03.2022
(<https://kapadokya.edu.tr/etkinlikler/8-mart-dunya-kadınlar-gunu-fidan-dikim-etkinligi>)
38. Field Trip: Mustafapaşa Village History, Texture and Structure, 04.03.2022
(<https://kapadokya.edu.tr/etkinlikler/mustafapasa-koyu-tarihi-dokusu-ve-yapilari>)
39. Training: TATDOĞA Erciyes/Cappadocia Winter Training-First Aid and Emergency Assistance, 04.03.2022 (<https://kapadokya.edu.tr/etkinlikler/tatdoga-erciyeskapadokya-kis-egitimi>)
40. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Global Change, Science, and Society”, 28.02.2022 (<https://kapadokya.edu.tr/etkinlikler/global-change-science-and-society>)
41. Cappadocia Sustainability Conversations, “Wetland Crisis and Flamingo Deaths in Tuz Lake”, 17.02.2022 (<https://kapadokya.edu.tr/etkinlikler/kapadokya-surdurulebilirlik-konusmalari-sulak-alan-krizi-ve-tuz-golundeki-flamingo-olumleri>)
42. Çat Valley Hike with Nature Club, 22.01.2022
(<https://kapadokya.edu.tr/etkinlikler/doga-toplulugu-ile-cat-vadisi-yuruyusu>)

43. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “YEAR 1: A Philosophical Recounting in Light of a Common Future”, 20.01.2022 (<https://kapadokya.edu.tr/etkinlikler/year-1-a-philosophical-recounting-in-light-of-a-common-future>)
44. Seminar: Necessary Measures to Take During COVID-19 Pandemic and Shifting Dentistry Practices, 28.09.2021 (<https://kapadokya.edu.tr/etkinlikler/covid-19-pandemisi-ve-okul-ortaminda-sosyal-hayatta-uyulmasi-gereken-kurallar-ve-onemi>)
45. Bicycle Days -1 with Mountain Biking Club, 25.09.2021 (<https://kapadokya.edu.tr/etkinlikler/bisiklet-gunleri---1>)
46. Valley Hike with Nature Club, 18.09.2021 (<https://kapadokya.edu.tr/etkinlikler/vadi-yuruyusu>)
47. World Walking Day, Valley Hike with Nature Club, 03.10.2021 (<https://kapadokya.edu.tr/etkinlikler/dunya-yuruyus-gunu---vadi-yuruyusu>)
48. 16 October World Food Day Event-Healthy Beverages, 18.10.2021 (<https://kapadokya.edu.tr/etkinlikler/dunya-gida-gununuz-kutlu-olsun>)
49. Graduate Seminars: Cli-Fi Today and Tomorrow: A Conversation with JL Morin, author of Nature's Confession, 27.10.2021 (<https://kapadokya.edu.tr/etkinlikler/lisansustu-seminerleri-cli-fi-today-and-tomorrow>)
50. Golgoli Hill Climbing Event with Mountain Biking Club, 23.10.2021 (<https://kapadokya.edu.tr/etkinlikler/tirmanis-gunleri-golgoliye-tirmaniyoruz>)
51. Full Moon Hike with Nature Club, 20.10.2021 (<https://kapadokya.edu.tr/etkinlikler/dolunay-yuruyusu-1>)
52. Seminar: Collective Nutrition Systems, 05.11.2021 (<https://kapadokya.edu.tr/etkinlikler/toplu-beslenme-sistemleri-uzerine-soylesi>)
53. Field Trip: Conservation Practices for Movable Cultural Properties, 12.11.2021 (<https://kapadokya.edu.tr/etkinlikler/tasinabilir-kultur-varliklarinin-konservasyon-uygulamalar>)
54. Cappadocia Sustainability Conversations, “Planning in Coastal Areas”, 13.11.2021 (<https://kapadokya.edu.tr/etkinlikler/kiyi-alanlarinda-planlama>)
55. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Empire and Decolonization in the 21st Century.”, 23.11.2021 (<https://kapadokya.edu.tr/etkinlikler/imagining-a-common-horizon-for-humanity-and-the-planet-empire-and-decolonization-in-the-21st-century>)
56. Seminar: Adaptation and Motivation for COVID-19 Control Measures, 26.11.2021 (<https://kapadokya.edu.tr/etkinlikler/covid-19-kontrol-tedbirlerine-uyum-ve-motivasyon>)
57. Virtual Tour: Ephesus Ancient City Narration, 27.11.2021 (<https://kapadokya.edu.tr/etkinlikler/efes-antik-kenti>)
58. Graduate Seminars: Marine Environment Politics in Turkey, 02.12.2021 (<https://kapadokya.edu.tr/etkinlikler/turkiyenin-denizel-cevre-politikalari>)
59. “Imagining A Common Horizon for Humanity and the Planet” Seminars: The Ruse of Settler-Colonialism, 06.12.2021 (<https://kapadokya.edu.tr/etkinlikler/imagining-a-common-horizon-for-humanity-and-the-planet-independence-the-ruse-of-settler-colonialism>)

60. International Symposium on Health in Folk Culture (Halk Kùltüründe Saėlık Uluslararası Sempozyumu), 09-11.12.2021 (<https://www.issscongress.com/kongre/5/halk-kulturunde-saglik-uluslararasi-sempozyumu>)
61. Valley Hike and Cleaning with Young Kızılray and Nature Club, 14.11.2021 (<https://kapadokya.edu.tr/etkinlikler/doga-ve-genc-kizilay-topluluklari-ile-vadi-yuruyusu>)
62. Love Valley Hike with Nature Club, 21.11.2021 (<https://kapadokya.edu.tr/etkinlikler/doga-toplulugu-ile-ask-vadisi-yuruyusu>)
63. Workshop: Integration of Cappadocia Region Destinations for Tourism: Kayseri and Nevşehir Cities, 15.12.2021 (<https://kapadokya.edu.tr/etkinlikler/kapadokya-bolgesi-destinasyonlarinin-turizm-acisindan-entegrasyonu-kayseri-ve-nevsehir-illeri-calistayi>)
64. Graduate Seminars: Global Climate Crisis: Our Planet, Humanity and Turkey, 17.12.2021 (<https://kapadokya.edu.tr/etkinlikler/lisansustu-seminerleri-kuresel-iklim-krizi-gezegenimiz-insanlik-turkiye>)
65. Seminar: Professional Look at Gastronomy Tourism in Turkey, 17.12.2021 (<https://kapadokya.edu.tr/etkinlikler/turkiyede-gastronomi-turizmine-profesyonel-bakis>)
66. “Imagining A Common Horizon for Humanity and the Planet” Seminars: “Politics of Fear in the Era of Permanent Pandemics”, 20.12.2021 (<https://kapadokya.edu.tr/etkinlikler/politics-of-fear-in-the-era-of-permanent-pandemics>)
67. Seminar: Artificial Intelligence and Machine Learning, 24.12.2021 (<https://kapadokya.edu.tr/etkinlikler/yapay-zeka-ve-makine-ogrenimi>)
68. Sultan Reed Bed Visiting with Young TEMA and Turna Bird Watching Club, 25.12.2021 (<https://kapadokya.edu.tr/etkinlikler/sultan-sazligi-mill-parki-ziyareti>)
69. Seminar: How will Neurobiology be Useful in Daily Life?, 30.12.2021 (<https://kapadokya.edu.tr/etkinlikler/peki-ya-gundelik-hayatta-norobiyojoloji-ne-isime-yarayacak>)

17. 2021 HIGH SCHOOL STUDENTS SHORT STORY COMPETITION

In the 2021-2022 academic year, the third of the traditional short story competition organized by the Department of Turkish Language and Literature of Cappadocia University again targeted high school students who were expected to submit short stories on the theme of “Technology and Humans.” The shortlisted 20 stories were published in the edited book with the title “*Teknoloji ve İnsan*” (*Technology and Humans*) *Selected Short Stories*. The goal was also to increase awareness among the youth about ecological and sustainability issues and prompting them to take action through creative fiction.

18. CAPPADOCIA PLANTS INVENTORY

In the 2020-2021 academic year Cappadocia University continued the “[Cappadocia Plants Inventory](#)” project to contribute to the preservation of local floral heritage. The study was shared with the public through the webpage of the inventory on *Sustainable Cappadocia* Website.

The page features a total of 286 pictures of 45 herbaceous plant and flower species, taken in the province of Nevşehir as a first step, which is located in Cappadocia, a very wide region right at the center of Anatolia that covers at least five provinces of Turkey. With further selections from our catalogue of pictures, currently underway, the number of species is expected to multiply soon. With ongoing land surveys, the number of herbaceous and woody plants featured on our page will keep growing.

The main goal in showcasing our natural and wild vegetation is to let people see, feel, and appreciate the presence, beauty, and value of these life forms, with which we share the same air and land, and live together. A majority of these plants existed here even before humans did. They have changed over time. We can tell that by looking at fossil records. Often treated as “weeds,” these plants are in fact indispensable building blocks of our ecosystem. It would be a great loss if they were to disappear. We believe raising awareness of this issue is very important in Turkey.

For examples of the inventory please see links below:

Hum (Ephedra major): <https://bitkiortusu.kapadokya.edu.tr/bitki/hum-ephedra-major/>

Hanım şiltesi (Minuartia juniperina): <https://bitkiortusu.kapadokya.edu.tr/bitki/hanim-siltesi-minuartia-juniperina/>

In the 2021-2022 academic year, the digital inventory was maintained.

19. ORANGE FLAG PROJECT

In the 2020-2021 reporting period, Cappadocia University was awarded an Orange Flag for its food-friendly policies and practices, aiming to minimize food waste on all campus sites.



Fig. 9: Cappadocia University, the first (and only) “food-friendly” certified educational institution in Turkey

Turuncu Bayrak (Orange Flag) (<https://turuncubayrak.org/sayfa-what-is-orange-flag-2>) is an Ankara-based initiative that was “developed to directly contribute the works conducted for preventing food waste and protecting the food and create an awareness in this matter,” as

explained on the organization’s official website. Targeting individuals and establishments, the project awards an Orange Flag to entities with impactful efforts towards the prevention and reduction of food waste. In the 2020-2021 period, Cappadocia University filed an application and became the first (and the only at the time of the preparation of this report) educational institution with an Orange Flag.

In the 2021-2022 academic year, the Orange Flag practices were implemented on all campuses.

20. “SAFE CAMPUS” CERTIFICATION

As a result of the practices and measures it has implemented in the reporting period, Cappadocia University has been awarded the title of “Safe Campus” for minimizing the risk of pandemics in the 2020-2021 academic year.

Cappadocia University, by fulfilling the conditions of the Certification Program for the Development of Healthy and Clean Environments, was entitled to receive “Safe Campus Certificate in the Context of the Global Epidemic” given by the Higher Education Council (YÖK) and the Turkish Standards Institute (TSE).



Fig. 10: Cappadocia University’s “Safe Campus” program

The certification process included the procedures listed below:

- Within the scope of Safe Campus studies, Covid-19 risk analysis was conducted for Nevşehir (Ürgüp, Mustafapaşa, Uçhisar, Montessori Kindergarten) and İstanbul (Sabiha Gökçen) campuses. Covid-19 Emergency and Infection Control Measures Action Plan was created.
- The Case Management Team and the Safe Campus Audit Team were formed within Kov-Kom (Covid Commission).
- The Case Management Team, in accordance with the Covid-19 Case Management Algorithm was created under the chairmanship of the Case Management Officer and with the recommendations of the Ministry of Health Science Board, ensures the filiation of academic, administrative staff and students.

- The Safe Campus *Inspection* Team conducts inspections at intervals determined by the prepared checklists and sends the Safe Campus Inspection Report to the inspection team planning and coordination officer.
- In addition, posters (<https://blog.kapadokya.edu.tr/evde-hayat-var/>) to remind Covid-19 measures were hung in various places (classrooms, offices, laboratories, library, corridor, lobby, waiting areas, etc.) and hand sanitizers are placed in common areas. Capacities and seating arrangements have been rearranged in common areas such as classrooms, laboratories and libraries, and information posters regarding the capacities have been hung at the entrance doors.
- In addition, all academic and administrative personnel were informed via videos and visuals on our university website (<https://blog.kapadokya.edu.tr/evde-hayat-var/>).
- At the end of all these studies, inspections of Nevşehir campuses between 30 June 2021 - 9 July 2021 and Istanbul campus between 18-19 August 2021 were carried out by the TSE Nevşehir Certification Directorate, and the university received the “TSE Covid-19 Safe Campus Certificate in the Context of the Global Epidemic.”

In the 2021-2022 academic year, the Safe Campus practices were implemented on all campuses.

21. UNITED NATIONS 2030 SUSTAINABLE DEVELOPMENT GOALS (SDGs) AND CAPPADOCIA UNIVERSITY SUSTAINABILITY EFFORTS

In accordance with the relevant internal governing documents of Cappadocia University, the general objectives of KÜN Sustainability Commission are to create awareness about natural and cultural sustainability on the part of collegiate and external partners and stakeholders, and to plan, monitor, report, and assess sub-activities that encourage and support sustainability. The specific objectives of the Commission as regards the main impact areas that are aligned with the general objectives are as follows: Setting and Infrastructure, Energy and Climate Change, Waste, Water, Transportation, and Education and Research & Development. These have been the main impact areas targeted by the KÜN Sustainability Commission that were initially inspired by the classification of intervention areas defined by the UI Greenmetric University Ranking System. However, since these impact areas are also in direct relationship with the 17 Sustainable Development Goals (SDG's) announced by the UN 2030 Agenda, as shown in Figure 11, starting from the 2021-2022 reporting period, a decision was made to include a section in this annual report to highlight the SDG dimension of the major developments and practices of the reporting year in question.



Fig. 11: UI Greenmetric Impact Areas & UN SGD's Relationship

Mustafapaşa Best Tourism Village

The village of Mustafapaşa, home of the university's central campus was selected as the "Best Tourism Village" by the UN World Tourism Organization (UNWTO) in December 2021 for effectively addressing 9 out of 17 SDG's.

Mustafapaşa, formerly known as Sinasos, is located in Cappadocia Region with around 1,300 inhabitants. It has a unique view with its stone buildings on the margins of 5 surrounding hills. An open-air museum, Mustafapaşa has been home to various civilizations which left important examples of civil architecture like churches, mosques and stone houses with carved and ornamented facades, showcasing the scenery of the region shaped by its topography and climate.

Diversity enriches the life in Mustafapaşa where the Balkan and Anatolian cultures are intertwined, contributing to the development of peculiar arts and crafts such as pottery, tile-making, doll making and stonemasonry. Rural economic activities in the village vary from agriculture to stockbreeding to tourism.

Due to its outstanding cultural and historical heritage and location on crossroads, Mustafapaşa has always been an attraction for visitors; however, tourism has grown naturally and gradually in the last decades. The increasing interest in the region has led to diversification

of tourism products, and an increase in income and job generation for all segments of the community, especially for women and youth.



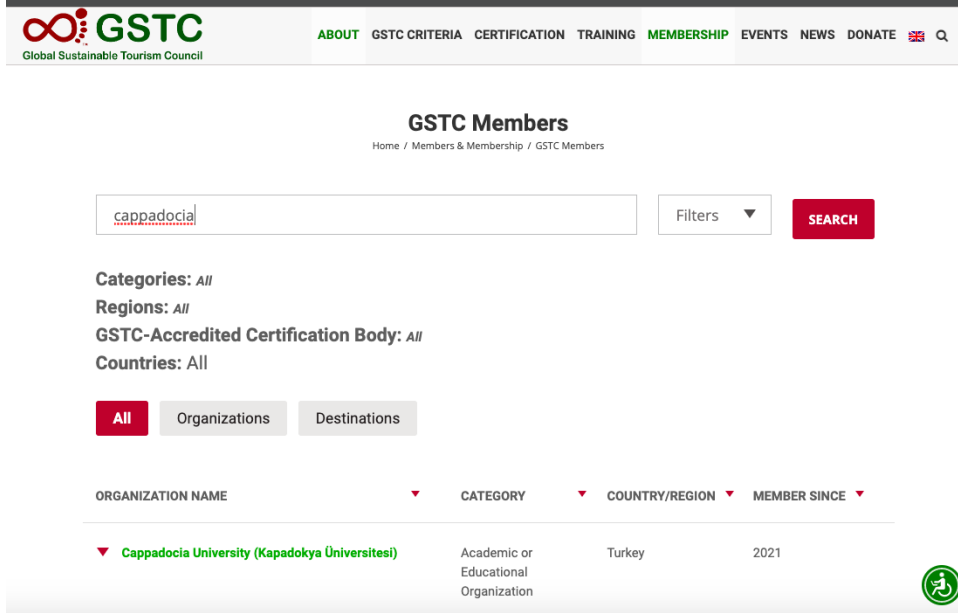
Fig. 12: Mustafapaşa profile page on UNWTO website

Tourism has enabled the development of infrastructure and community services through public and private investments. The Conservation Plan of the village dated 2004 helped to increase awareness and protection of cultural heritage. The Tourism development plan has increased the community involvement in planning, management and decision-making mechanisms coordinating as well with regional and local DMOs, Cappadocia University and other stakeholders.

In Mustafapaşa, tourism contributes to “rural development and balanced growth through inclusive, sustainable and innovative actions empowering community and businesses, while protecting common cultural heritage, diversity and genuine lifestyle of Cappadocia.”

As such the activities in the village that are implemented in close collaboration with Cappadocia University address the SDGs 1: No Poverty, 3: Good Health and Well-Being, 5: Gender Equality, 6: Clean Water and Sanitation, 8: Decent Work and Economic Growth, 11: Sustainable Cities and Communities, 13: Climate Action, 15: Life on Land. For details, please visit the official website <https://mustafapasakapadokya.org/en/>.

Global Sustainable Tourism Council (GSTC) Membership



The screenshot shows the GSTC website's membership search interface. The header includes the GSTC logo and navigation links: ABOUT, GSTC CRITERIA, CERTIFICATION, TRAINING, MEMBERSHIP, EVENTS, NEWS, DONATE, and a search icon. The main heading is "GSTC Members" with a breadcrumb trail: Home / Members & Membership / GSTC Members. A search bar contains the text "cappadocia". Below the search bar, filters are listed: Categories: All, Regions: All, GSTC-Accredited Certification Body: All, and Countries: All. There are three tabs: All (selected), Organizations, and Destinations. A table displays the search results for Cappadocia University (Kapadokya Üniversitesi). The table has columns for Organization Name, Category, Country/Region, and Member Since. The entry for Cappadocia University is listed as an Academic or Educational Organization in Turkey, becoming a member in 2021. A green circular icon with a white figure is visible in the bottom right corner of the table area.

ORGANIZATION NAME	CATEGORY	COUNTRY/REGION	MEMBER SINCE
▼ Cappadocia University (Kapadokya Üniversitesi)	Academic or Educational Organization	Turkey	2021

Fig. 13: Cappadocia University profile page on GSTC website

Founded in 2018, Cappadocia University Center for Social and Strategic Research gives priority to tourism research and development. The Center provides consulting services to governmental and municipal bodies for the development of sustainable tourism policies, tourism strategic plans, and competitiveness of the tourism industry. Cappadocia University is the only institution authorized to give GSTC certified training in Turkey. Following the university's membership in 2021, three GSTC trainings will be offered starting from fall 2022 (<https://sem.kapadokya.edu.tr/kuresel-surdurulebilir-turizm-konseyi-onayli-egitimler>):

- GSTC Sustainable Tourism Training Program - STTP
- GSTC Sustainable Hotel Course
- Sustainable Tourism Training for Professionals

With this membership Cappadocia University will play a leading role in the establishment of Sustainable Tourism in Turkey.

Environmental Management System as per TSE EN ISO 14001: 2015 Certification

After fulfilling the requirements of the international standard in the 2021-2022 reporting period, Cappadocia University was awarded the Environmental Management System as per TSE EN ISO 14001: 2015 Certificate. With this certification especially organizational structure and infrastructure related practices of the university were approved for compliance with the SDGs 11: Sustainable Cities and Communities, 12: Responsible Consumption and Production, and 13: Climate Action.



Fig. 14: ISO 14001 Environmental Management System Certificate

Climate Crisis Awareness Resources Database Project

Even though the verbal and visual resources that offer reliable information presented in attractive and plain language so as to make the phenomenon of climate crisis accessible and easy to understand on the part of different segments of societies abound, the availability and accessibility of these resources in Turkish are very limited. To address these needs, the Climate Crisis Awareness Resources Database Project aims, firstly, to create a pilot database by way of bringing together verbal, visual, and audial resources that explain the reasons and consequences of climate crisis, future projections, suggestions for problem-solving, and existing practices toward the solution and making them accessible in the Turkish language.

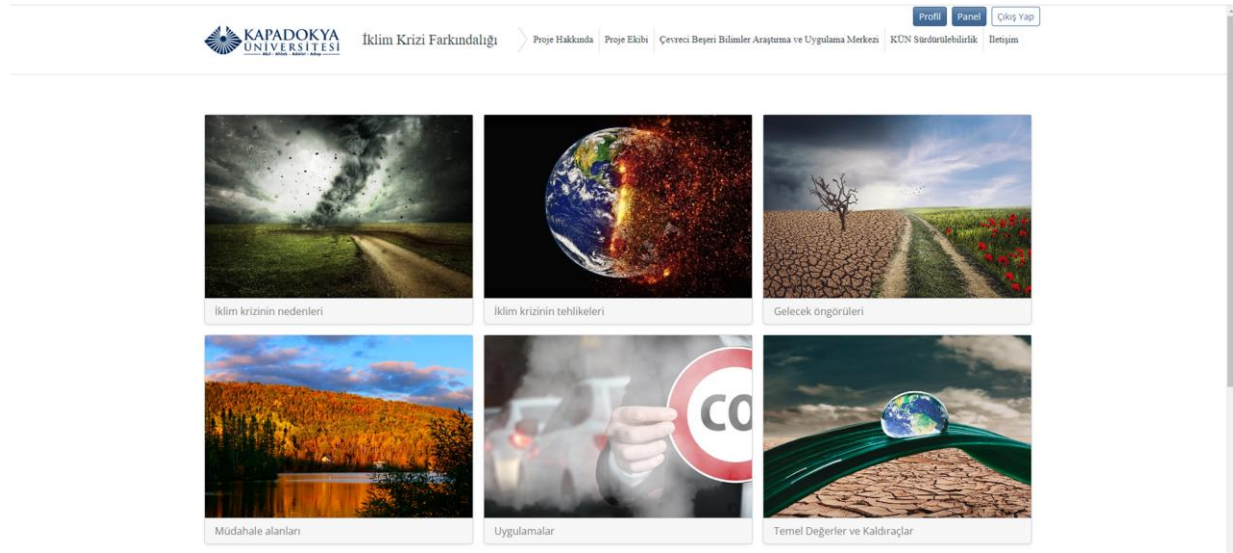


Fig. 15: Climate Crisis Awareness Resources Database

The database will be available on a project website (See Figure 15) which will be created, updated and sustained during the potential next stages of the project work. In the next stages of the project, the materials created during the project will not only be available on the project website, but will also be proposed to Cappadocia University Publications to be published as an open access e-book.

Zero Waste Certification

Cappadocia University was awarded the Zero Waste Certificate by the Ministry of Urbanization, Environment and Climate Change for compliance with the requirements of the “Zero Waste” program in the 2021-2022 reporting period.



Fig. 16-17: Zero Waste Certifications for Mustafapaşa and Ürgüp campuses.

Efforts will continue in the 2022-203 academic year to receive the Zero Waste certification for the remaining campuses.

GreenStars Sustainability Model Certification

At end of the reporting period, Cappadocia University initiated the GreenStars Sustainability Model certification process by submitting the application for Compliance Statement. The program that is implemented by Yıldız Technical University's Technology Transfer Office and RoyalCert is to ensure institutional compliance toward the meeting of 17 SDGs.



Fig. 18: GreenStars Sustainability Model website

Expected for approval within October 2022, once Cappadocia University's Compliance Statement is countersigned, the university will be the first higher education institution in Turkey to have received the Compliance document, which will be followed by the certification process during the 2022-2023 academic year.

CONCLUSION

In 2021-2022, Cappadocia University made visible and measurable progress towards its strategic goals regarding environmental sustainability as defined in its governing documents.

During the next reporting period (1 September 2022 - 31 August 2023, Cappadocia University aims to further strengthen its efforts towards the dissemination of sustainability discourse in and outside of Turkey. To this end, the existing network with the local, national, and international partners will be strengthened and expanded. The sustainability-related structures, programs, and initiatives that were established in the since the 2021-2022 academic year will be monitored and revised as necessary for a more impactful result of Cappadocia University's financial, socio-cultural and intellectual investment in sustainability.