



# CAPPADOCIA UNIVERSITY ENVIRONMENTAL SUSTAINABILITY EFFORTS

## 2019-2020 ANNUAL REPORT

NEVŞEHİR/TURKEY

OCTOBER 2020



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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 2019-2020 academic year which covers the period from September 1, 2019 to August 31, 2020 and includes the progress made in sustainability efforts since the 2018-2019 reporting year.

The most notable developments within the reporting period were the issuing of “Green Cappadocia Policy Paper,” the foundation of the Sustainability Commission, the launching of the *Sustainable Cappadocia* Website, the launching of the Sustainability Programmes (Water, Air, Earth, Fire, Bio), the launching of a Students Sustainability Leadership Award, the launching of *Ecocene: Cappadocia Journal of Environmental Humanities* as an international peer-reviewed open access scholarly publication, and the hosting of the UNESCO-MOST/BRIDGES Sustainability Science Coalition Establishment Workshop towards the initiation of a new UNESCO-MOST program.

The report explains the major developments that took place in the 2019-2020 academic year in separate headings and subheadings as necessary and includes a section explaining the additional efforts planned and budgeted for the 2020-2021 academic year.

### **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](#),” issued in the 2019-2020 academic year, 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 founded in the 2019-2020 academic year. 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 2020, the Commission consisted of seven members.

### **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. In Cappadocia University Strategic Plan for 2018-2030, 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](#) which can be accessed at the URL: <https://eko.kapadokya.edu.tr/en/home/>. 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.

### 3. SUSTAINABILITY COMMISSION

In order to further institutionalize and systematize the university's sustainability efforts, KÜN administration established a Sustainability Commission formed of 8 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

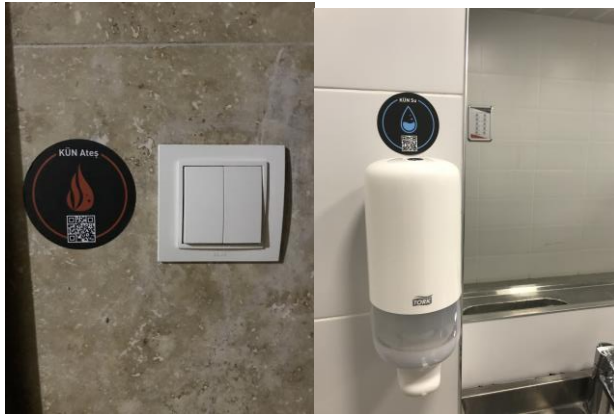
#### 4. SUSTAINABILITY PROGRAMS

In the 2019-2020 academic year, 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. 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



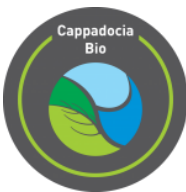
#### **4.4. CAPPADOCIA FIRE**



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, during the 2019-2020 academic year, of a unique elective course *EOS 171 Ecological Literacy and Sustainability* to be offered to the students of all undergraduate and graduate degree programs. When offered to students in the 2020-2021 academic year, this course will be a significant addition to the 20 existing courses related to sustainability in the curricula of the university's programs.

### 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 to be offered to the students of the relevant graduate programs in the 2020-2021 academic year.

### **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 2019-2020, in line with the objectives of inclusion of environmental sustainability subjects in the curricula of various departments, 20 courses 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, the new master’s degree program in English Language and Literature is designed with an environmental humanities orientation and is the only such degree program in Turkey.

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. Healthy Life and Training I / Nutrition and Dietetics / School of Health Sciences
2. Healthy Life and Training II / Nutrition and Dietetics / School of Health Sciences
3. Vegetarian Diet/ Nutrition and Dietetics / School of Health Sciences
4. Ecocriticism and Posthuman Studies/English Language and Literature/Faculty of Humanities
5. Environmental Psychology/Translation and Interpreting (English)/Faculty of Humanities
6. Travel Literature and the Environment /English Language and Literature/Institute of Graduate Studies and Research /Faculty of Humanities
7. Film and Eco-Criticism/ English Language and Literature/Institute of Graduate Studies and Research /Faculty of Humanities

8. Environment, Literature and Culture/English Language and Literature/Institute of Graduate Studies and Research /Faculty of Humanities
9. Media, Communication and the Environment / English Language and Literature/Institute of Graduate Studies and Research/Faculty of Humanities
10. Environmental Sustainability and Ecological Life/ Urban Environment and Local Government Policies/ Institute of Graduate Studies and Research
11. Introduction to Urban and Environmental Law/ Urban Environment and Local Government Policies/ Institute of Graduate Studies and Research
12. Green Political Thought/ Urban Environment and Local Government Policies/ Institute of Graduate Studies and Research
13. Ecological Crisis and Climate Politics/ Urban Environment and Local Government Policies/ Institute of Graduate Studies and Research
14. Environmental Health/ Mouth and Dental Health/ Dentistry Services
15. Equine-assisted Therapy-I/Equine and Coaching/ Vegetable and Animal Production
16. Equine-assisted Therapy-II/Equine and Coaching/ Vegetable and Animal Production
17. Equine-assisted Therapy-III/Equine and Coaching/ Vegetable and Animal Production
18. Equine-assisted Therapy-IV/Equine and Coaching/ Vegetable and Animal Production
19. Nature Sports/ First Aid and Emergency Care/ Medical Services and Techniques
20. Urban Identity and Cultural Sustainability/ Building Restoration/ Architecture and City Planning

## 6. ENVIRONMENTAL SUSTAINABILITY LEADERSHIP AWARD

Instituted late in the 2019-2020 academic year and to be implemented in the 2020-2021 academic year, the *Environmental Sustainability Leadership 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 2020-2021 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

## **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. An order list was prepared by the Environmental Humanities Research Center and a large order consisting of 74 seminal books and reference sources. A total budget of 2600 USD has been planned for the procurement of these books in the 2020-2021 academic year.

Animal Question: Why Nonhuman Animals Deserve Human Rights	Paola Cavalieri	Oxford UP
Animal Subjects: An Ethical Reader in a Posthuman World	Jodey Castricano	Wilfrid Laurier UP
Beyond Nature Writing: Expanding the Boundaries of Ecocriticism	Karla Armbruster	UP of Virginia
Ecology Without Nature: Rethinking Environmental Aesthetics	Timothy Morton	Harvard UP
Environmental Justice Reader: Politics, Poetics, and Pedagogy	Joni Adamson	U of Arizona Press
Environmentalism in Popular Culture: Gender, Race, Sexuality, and the Politics of the Natural	Noel Sturgeon	U of Arizona Press
Going Away to Think: Engagement, Retreat, and Ecocritical Responsibility	Scott Slovic	U of Nevada Press
Three Ecologies	Felix Guattari	Continuum
Dark Ecology: For a Logic of Future Coexistence	Timothy Morton	Columbia UP
The Ecological Thought	Timothy Morton	Harvard UP
Writing About Nature: A Creative Guide	John A. Murray	U of New Mexico Press
The Environmental Imagination: Thoreau, Nature Writing, and the Formation of American Culture	Lawrence Buell	Belknap Press
The ISLE Reader: Ecocriticism, 1993-2003	Editors: Michael Branch, Scott Slovic	U of Georgia P
The Norton Book of Nature Writing	John Elder, Robert Finch	W. W. Norton Company
Literature as Cultural Ecology: Sustainable Texts	Hubert Zapf, Greg Garrard, Richard K	Bloomsbury

**Fig. 4:** Some of the books that will be in the Environmental Humanities Library in 2020-2021

## 8. SUSTAINABILITY-RELATED SOCIAL MEDIA CAMPAIGNS

Since late in the 2019-2020 academic year, the Sustainability Commission, in collaboration with the PR 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.



**Fig. 5-7:** Examples of the posters used in the social media campaigns

## 9. CAPPADOCIA UNIVERSITY ENVIRONMENTAL HUMANITIES CENTER

Based on these targets the first "Environmental Humanities Research Center" in Turkey was established 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.

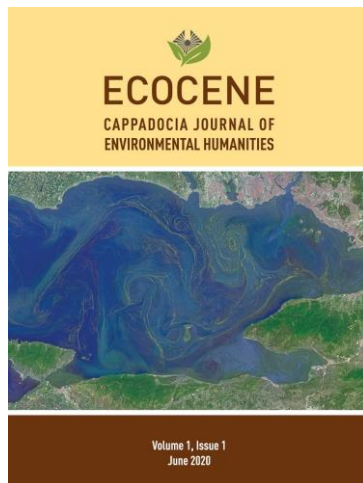


In addition to pursuing its objectives, the Environmental Humanities Center at Cappadocia University worked towards achieving the main goals given below in 2019-2020.

- 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 2019-2020 academic year, but will be pursued toward progress in the 2020-2021 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.

#### 11. UNESCO-MOST/BRIDGES INTERNATIONAL 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.

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 domain<sup>1</sup> 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)<sup>2</sup>. The coalition now envisaged would affiliate with UNESCO as a close but independent partner.

The coalition’s proposed name is **UNESCO-MOST/BRIDGES: An International 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.

## **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 academic year 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.

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 academic year.

### **14. ENVIRONMENTAL SUSTAINABILITY IN RESEARCH AND DEVELOPMENT**

As part of Cappadocia University’s Research and Development (R&D) efforts, four academic research projects related to environmental sustainability were supported in the 2019-2020 academic year.

**Project Title: Agriculture Implementation with Unmanned Air Vehicle**

Start Date: 01.09.2019

Project Duration: 12 Months

Link: <https://iha.kapadokya.edu.tr/iha-arge>

**Project Title: Synthesis of some novel ecofriendly block/graft copolymers from renewable resources**

Start Date: 01.10.2018

Project Duration: 18 Months

Link: <https://bap.kapadokya.edu.tr/projeler/kopolimer-elde-edilmesi>

**Project Title:** The use of propolis in ice cream production and investigation of antimicrobial effect on *Listeria monocytogenes*

Start Date: 01.12.2018

Project Duration: 30.11.2019

Link: <https://bap.kapadokya.edu.tr/projeler/dondurma-uretiminde-propolisin-kullanimi-ve-listeria-monocytogenes-uzerine-antimikrobiyal-etkisinin-arastirilmesi-projesi>

**Project Title:** TÜBİTAK İhlas News Agency (IHA) Competition and IHA Development

Start Date: 01.06.2020

Project Duration: 15.09.2020

Link: <https://www.kapadokya.edu.tr/haberler/universitemiz-teknofeste-3-ih-takimi-ile-katiliyor>

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 2019-2020. A total of 30 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. “Introduction.” *Turkish Ecocriticism: From Neolithic to Contemporary Timescapes*. Serpil Oppermann and Sinan Akıllı, in Serpil Oppermann and Sinan Akıllı (Eds). Lanham, MD: Lexington Books, 2020.
2. Seeds of Transformative Change, Steven Hartman and Serpil Oppermann, *Ecocene: Cappadocia Journal of Environmental Humanities*, 1-18, 2020.
3. Political, Ethical, and Societal Aspects of Issuing Warnings to Humanity, Steven Yearly, *Ecocene: Cappadocia Journal of Environmental Humanities*, 19-25, 2020.
4. “We” May Be in This Together, but We Are Not All Human and We Are Not One and the Same, Rosi Braidotti, *Ecocene: Cappadocia Journal of Environmental Humanities*, 26-31, 2020.
5. Speaking for the Earth and Humans In the “Age of Consequences,” Noel Castree, *Ecocene: Cappadocia Journal of Environmental Humanities*, 32-43, 2020.
6. The Language of Warning: The World Scientists’ Efforts to Communicate and the Challenge of Poignancy, Scott Slovic, *Ecocene: Cappadocia Journal of Environmental Humanities*, 44-51, 2020.
7. The Sense of Place at the End of the World, Stephanie Foote, *Ecocene: Cappadocia Journal of Environmental Humanities*, 52-58, 2020.
8. Alberta and the Global Commons: A Climate Change Tragedy, Robert Boschman, *Ecocene: Cappadocia Journal of Environmental Humanities*, 59-71, 2020.
9. Apocalypse Then, Now—and Future?, Bron Taylor, *Ecocene: Cappadocia Journal of Environmental Humanities*, 72-84, 2020.
10. Passionate Specificity, Ann Fisher-Wirth, *Ecocene: Cappadocia Journal of Environmental Humanities*, 85-90, 2020.

11. The Watchman's Part: Earth Time, Human Time, and the "World Scientists' Warning to Humanity," Bronislaw Szerszynski, *Ecocene: Cappadocia Journal of Environmental Humanities*, 91-99, 2020.
12. At the Bottom of the Barrel: A Response to the Recent World Scientists' Warnings, Simon Estok, *Ecocene: Cappadocia Journal of Environmental Humanities*, 100-107, 2020.
13. A Sea Change in the Environmental Humanities, Cecilia Asberg, *Ecocene: Cappadocia Journal of Environmental Humanities*, 108-122, 2020.
14. Long Live the Climate Machine!, Nathalie Blanc, *Ecocene: Cappadocia Journal of Environmental Humanities*, 123-136, 2020.
15. Gaia versus the Anthropocene: Untimely Thoughts on the Current Eco-Catastrophe, Dorion Sagan, *Ecocene: Cappadocia Journal of Environmental Humanities*, 137-146, 2020.
16. Beyond Nonpartisan Discourses: Radical Knowledge for Extreme Times, Marco Armiero, *Ecocene: Cappadocia Journal of Environmental Humanities*, 147-153, 2020.
17. Book Review: Simon L. Lewis and Mark A. Maslin's *The Human Planet: How We Created the Anthropocene*, Derek Woods, *Ecocene: Cappadocia Journal of Environmental Humanities*, 154-160, 2020.
18. 'Turkey's Electricity Trade Relations with Europe: The Role of the EU and the Impact on the Environment'. Halil Burak Sakal, P. 12 in. *Nevşehir: ICEEE2020*, 2020.
19. Biodegradable and biocompatible radiopaque iodinated poly-3-hydroxy butyrate: synthesis, characterization and in vitro/in vivo X-ray visibility, Baki Hazer et al., *Polymer Bulletin*, 77 (1), 2020.
20. "How the Material World Communicates: Insights from Material Ecocriticism." *Routledge Handbook of Ecocriticism and Environmental Communication*. Serpil Oppermann, in Scott Slovic, Swarnalatha Rangarajan, and Vidya Sarveswaran (Eds). New York: Routledge, 2019. 108-117.
21. "The Agency and Matter of the Dead Horse in the Victorian Novel." *Equestrian Cultures: Horses, Human Society and the Discourse of Modernity*. Sinan Akıllı, in Kristen Guest and Monica Mattfeld (Eds). *Animal Lives*. Series Eds. Jane C. Desmond, Barbara J. King, and Kim Marra. Chicago: University of Chicago Press, 2019. 39-53.
22. Analysis of Climate Policies and Efficiencies of European Union from Kyoto to Paris. Hikmet Kuran, *Türkiye Siyaset Bilimi Dergisi*, 2(2), 2019. 47-71.
23. Moving Stills: The Idea of Nature in New Turkish Cinema., *Transforming Socio-Natures in Turkey-Landscapes, State and Environmental Movements*, Ekin Gündüz Özdemirci, in Ethemcan Turhan, Onur Inal (Eds.), London: Routledge, 2019, ISBN: 978-1138367692.
24. 'Interbasin Water Transfer in the Çoruh and Kura-Araks River Basins in the South Caucasus: An Assessment of Transboundary and Local Impacts'. Halil Burak Sakal, Pp. 213-16 in *The Proceedings of the 8th International Conference on Water Resources and Environment Research*. Nanjing, China, 2019.

25. Autoxidized Oleic Acid Bifunctional Macro Peroxide Initiators for Free Radical and Condensation Polymerization. Synthesis and Characterization of Multiblock Copolymers, Baki Hazer et al., *Journal of Polymers and The Environment*, 27/11, 2019.
26. The Overview of Future Tourism Guidance Under The Concepts of Smart Tourism and Super Smart Tourist. Mehmet Bahar, Nedim Yüzbaşıoğlu and Yunus Topsakal. Y. *Journal of Travel and Tourism Research*, 14, 72–93, 2019.
27. Ecological Research Area Hotels For The Measurement of Satisfaction of The Visiting Ecotourists in the Ege – Mediterranean Region in Turkey, Mehmet Bahar et al., *International Rural Tourism and Development Journal*, 3 (1): 11-18, 2019.
28. Chromium Speciation in Water Samples by Loading a New Sulfide-Containing Biodegradable Polymer Adsorbent in Tip of the Syringe System, Baki Hazer et al., *Water Air and Soil Pollution*, 230, 45, 2019.
29. Ecofriendly Autoxidation of Castor Oil/Ricinoleic Acid. Multifunctional Macroperoxide Initiators for Multi Block/Graft Copolymers, Baki Hazer, Melike Eren, *Journal of The American Oil Chemists Society*, 96 (4), 2019.
30. Akıllı, Sinan., ed. “Çevre-İnsan ve Geleneksel Yaşam (Environement-Humans and Traditional Living)” *Selected Short Stories*. Environmental Humanities Series. Cappadocia University Press, July 2020.

## 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 will publish 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), Yusuf Eradam (TED University), Ufuk Özdağ (Hacettepe University), Aytül Özüm (Hacettepe University), Nurten Birlik (Middle East Technical University), Özlem Ögüt Yazıcıoğlu (Boğaziçi University), Barış Ağır (Osmaniye Korkut Ata University), Fatma Aykanat (Zonguldak Bülent Ecevit University), Can Batukan (Paris Diderot University), Oya Bayılmış Ögütçü (Adıyaman University), M. Sibel Dinçel (TOBB ETU University), Meliz Ergin (Koç University), Gülşah Göçmen (Aksaray University), Ekin Gündüz Özdemirci (Cappadocia University), Burcu Kayışçı Akkoyun (Koç University), Emre Koyuncu (Koç University), Pelin Kümbet (Kocaeli University), Murat Ögütçü (Munzur 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)

In the 2019-2020 academic year the first book of the series was published in Turkish with the title “*Çevre-İnsan ve Geleneksel Yaşam*” (*Environment-Humans and Traditional Living*)” *Selected Short Stories*. The book is the output of a 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 eco-stories. Please see below “2019 Short Story Competition” for details.

## **16. ENVIRONMENTAL SUSTAINABILITY IN EXTRACURRICULAR ACTIVITIES**

Cappadocia University, in line with its objectives to increase the number of activities on environmental awareness and protection, continued to plan and realize several activities about environment and sustainability in the 2019-2020 academic year. Among these, in addition to academic activities such as seminars, conferences and workshops organized by faculties and departments, nature trips, cycling days, tree planting, TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) volunteer meetings organized by environment and sustainability related student clubs as well.

The events held in 2019-2020 are:

1. Climate Strike (Fall), 20.09.2019
2. Valley Trekking-1 (Fall), 22.09.2019
3. Seminar on “Economy of Goodness”, 26.09.2019
4. Nature Excursion with Horses-1, 29.09.2020
5. Bicycle Days-2, 03.10.2019
6. Take a Walk for Health and Nature (Activity), 05.10.2019
7. Seminar on “The Importance of Ecology in Transforming Everyday Life “, 03.10.2019
8. Bicycle Days-3, 10.10.2019
9. Valley Trekking-2 (Full Moon Walk), 13.10.2019
10. TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) Volunteering Meeting-1, 17.10.2019
11. Zemi Valley Photography Trekking-3, 02.11.2019
12. Seminar on “Climate Crisis and Ecological Living”, 06.11.2019
13. 11 Million Saplings Meet the Ground, 11.11.2019
14. ‘We Are Present with Nature and Culture’ Cleaning of Historical Places in Cappadocia – 3rd Stage (Activity) 14.11.2019
15. TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) Volunteering Meeting-2, 17.11.2019
16. Environmental Protection Awareness Competition, 18.11.2019
17. Seminar on “Water, Energy and Environmental Politics” with Prof. Dr. Oktay Tanrıseven, 03.12.2019 (Image 1)



18. TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) Volunteering Meeting-3, 07.12.2019
19. Valley Trekking-4, 22.12.2019
20. TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits) Founder Hayrettin Karaca Commemoration and Documentary Film Screening, 05.02.2020
21. Photography with Snow Flakes, 08.02.2020
22. Seminar on “Social and Emotional Construction of Eco-Leadership”, 11.02.2020
23. Valley Trekking-5 (Seize the Moment), 15.02.2020
24. Greenmetric Presentation, 28.02.2020
25. Conversation on “The 18<sup>th</sup> Century British Landscape Tradition and Rewilding”, 17.03.2020
26. Humanities for the Environment Network Anatolian Observatory Establishment Workshop, 26.03.2020 (Image 2)
27. Conversation on Ecocriticism and Literature with Writer Buket Uzuner, 06.04.2020
28. Conversation on Climate Crisis and Cities with Nuran Talu, 08.05.2020
29. Conversation on the novel series of Buket Uzuner “The Adventures of Misfit Defne Kaman-Water, Air, Earth” with Nükhet Okutan Davletov, 16.05.2020 (Image 3)
30. UNESCO BRIDGES: Global sustainability Science Coalition Workshop, 06.07.2020 (Image 4)
31. Inspeiton Days Conversations By Alev Akatlı with Deniz Ataç, Chairwoman of TEMA (The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habits), 09.07.2020
32. Conversation with Selcen Küçüküstel on the book “Rendeeer Turks, the Dukhas” with Nükhet Okutan Davletov, 11.07.2020

## 17. 2019 HIGH SCHOOL STUDENTS SHORT STORY COMPETITION

In the 2019-2020 academic year a 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 eco-stories. Out of the 166 stories submitted from across the country, 20 were shortlisted and published in the edited book with the title “*Çevre-İnsan ve Geleneksel Yaşam*” (*Environment-Humans and Traditional Living*)” *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 2019-2020 academic year Cappadocia University also launched 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/>

## 19. PLANS FOR 2020-2021 ACADEMIC YEAR (SEPTEMBER 2020-AUGUST 2021)

In accordance with Cappadocia University’s institutional commitment to sustainability, several new goals have been specified and budgeted for the 2020-2021 academic year.

### Energy & Infrastructure

- The completion of the feasibility study and the installation of a solar panel with a capacity of 40 kWh on the roof of Oktay Sinanoğlu Bldg in Mustafapaşa Campus. This project will make the building self-sufficient in terms of electricity needs.
- The completion of the feasibility study for construction of a rainwater harvesting system for Oktay Sinanoğlu Bldg in Mustafapaşa Campus. This project will make the building a hub of water conservation and recycling and the harvested rainwater will be used for watering the planted areas around building as well as for other purposes such as cleaning.

### Education and Research

- The R&D Office of Cappadocia University will support a large research project for the development of “Bio-friendly Materials” project, which will result in the production of eco-friendly polymer-based packaging materials.

- The book order for the “Environmental Humanities Library” with a total cost of 2600 USD will be purchased and the library will be opened for scholars and researchers.
- The Environmental Humanities Series of Cappadocia University Press will publish a Turkish translation of Simon C. Estok’s *The Ecophobia Hypothesis* (Routledge Studies in World Literatures and the Environment, 2018), a seminal book in ecocritical theory.

### **Extracurricular Activities & Activities**

- Several academic and student club events related to environment and sustainability are planned and budgeted for the 2020-2021 and the realization of these will be a major priority.
- The Environmental Sustainability Leadership Award scheme will be implemented in the 2020-2021 academic year. The Sustainability Commission will receive applications by 31 March 2021 and announce the winner of the award at the end of the spring semester.
- The high school students short story competition will be organized with the title “The Future of the Planet: Fears and Hopes” and will invite creative works of fiction in the various modes (including Cli-Fi) to mentally engage the creativity of the youth towards reflecting on the future by offering utopian/dystopian visions of the planet’s future. The winning 20 stories will again be published by Cappadocia University Press as both in print as an Open Access e-book for wide dissemination in among the public.

### **CONCLUSION**

In 2019-2020, 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 2020- 31 August 2021, 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 2019-2020 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.