Purpose
During Pandemic

2020 Annual Report
College of Tropical Agriculture and Human Resources
University of Hawaiʻi at Mānoa
CTAHR is Cooperative Extension
Department of Family & Consumer Sciences
Department of Human Nutrition, Food & Animal Sciences
Department of Molecular Biosciences & Bioengineering
Department of Natural Resources & Environmental Management
Department of Plant & Environmental Protection Sciences
Department of Tropical Plant & Soil Sciences
Center for Tropical & Subtropical Aquaculture
Center on the Family
Hawai'i State 4-H
GoFarm Hawai'i
Good News – 2020 is over.

What a year. We dealt with a pandemic, many worked from home, we taught a different way, and we figured out how to keep up with research and Extension obligations.

One may think that with all that going on, we could not get much more accomplished. But the truth is we had a productive year. Our student population was the largest in the history of the college, we continued our trend of increasing extramural grants, and—with fewer faculty—our refereed journal publications increased by 14% over last year.

All the credit goes to the faculty and staff. During the pandemic, our college’s human capital was reduced by about 20% through retirements and folks leaving for different jobs. Yet, we increased our production in almost every area. Extension, which works directly with the community, often had more people coming to their virtual programs. We must ask ourselves why. I think it is because, during difficult times, CTAHR is incredibly relevant.

Food production becomes more important during difficult times. GoFarm Hawai‘i is the premier new-farmer training program for the state. SNAP education by CTAHR, along with the ‘double bucks’ state program (that doubles state money for food assistance), helped get the necessary nutrition to their families. Extension was busy educating folks on how to garden, farm – grow their own food. Research was underway to combat COVID-19 and help families cope with the difficulties they faced. Many other examples can be found in this report.

CTAHR staff did an amazing job. With the loss of human capital, our staff chipped in and picked up the slack that resulted from retirements. Our County Administrators shepherded their programs to focus on the local needs. In addition, the collaboration between CTAHR and other agencies in the state continued, solidified, and made a difference.

I think we succeeded because we, in CTAHR, understand how blessed we are to be working within the University of Hawai‘i at Mānoa, and in a college that is relevant to the state. It is in hard times that we see that our work makes a differences in people’s lives.

We also did some soul searching. The campus-wide evaluation of programs made our departments take a hard look at themselves. Our undergraduate Ag program is now being revised to more be relevant to the future of the state. We looked at how our programs interact with the UH system across the state. We saw how important it is that we are state-wide, working in communities where we do the most good.

Of course, it is not over yet. We are looking at two pretty sparse budget years in our immediate future, and a number of years to hire back what we lost. This will require the same effort, but a different focus. When we report again next year, we will be talking about how our Strategic Positioning Plan is progressing and how we intend to serve the state as we move into the future.

Aloha,

Nick

Nicholas Comerford, PhD
Dean, College of Tropical Agriculture and Human Resources
Director, Hawai‘i Agriculture Experiment Station and Cooperative Extension Service
Frozen and Unfilled Positions

CTAHR is a Land Grant College, as identified in the Hatch Act of 1887 and Smith-Lever Act of 1914. As such, it is the home of the Agricultural Experiment Station and the Cooperative Extension Service. Therefore, our faculty include Extension Agents and Extension Specialists, which is different from most other colleges at the University of Hawai‘i at Mānoa (UHM). This is worth stating in order to understand the loss of faculty and staff we have experienced.

Due to the Covid-19 pandemic’s effect on the state budget, CTAHR is down 60 faculty and staff positions and counting (Table 1), representing 20% of our personnel. When we are able to rehire again, our initial focus will be on instruction. With our increasing enrollment, we have an obligation to our students to provide them with the best environment for success. Our staff situation is also challenging, with the loss of support in offices and on farms.

One way to describe this past year is to look at the college’s effort with respect to the goals of the UHM campus. Are we meeting those goals? Below we can make the case that CTAHR is highly relevant to the university and to the state.

Goal 1. CTAHR as a Native Hawaiian place of learning

A focus on Native Hawaiian learning and culture has permeated the college since its founding more than 100 years ago. In fact, CTAHR was developed from the Bureau of Forestry and Agriculture that was initiated by Queen Lili‘uokalani just 14 years earlier. Today, a Hawaiian influence is evident in our faculty, staff, and students, as well as in our programs in agriculture, natural resources, human nutrition, and family sciences (Table 2).

The light at the end of the tunnel is UHM’s post-pandemic approach, as defined by the President. This situates CTAHR in a good position. Our college represents those areas that have been identified for investment: Agriculture (TPSS, PEPS, HNFAS, MBBE), Natural Resource Conservation (NREM), Engineering (MBBE), and Health and Social Welfare (MBBE, HNFAS, FCS).

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**Table 1. Positions either swept by the legislature or frozen due to retirement and resignation.**

<table>
<thead>
<tr>
<th>Vacant Position</th>
<th>Department</th>
<th>FCS</th>
<th>PEPS</th>
<th>TPSS</th>
<th>HNFAS</th>
<th>NREM</th>
<th>MBBE</th>
<th>Admin</th>
<th>Ag Tech</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff</td>
<td></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>21</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professor</td>
<td></td>
<td>3</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension Agent</td>
<td></td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>1</td>
<td></td>
<td>13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extension Specialist</td>
<td></td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Researcher</td>
<td></td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>5</td>
<td>2</td>
<td>7</td>
<td>21</td>
<td>60</td>
</tr>
</tbody>
</table>

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**Table 2. Native Hawaiian and Pacific Islanders as an average percentage of the student, staff, and faculty populations in CTAHR (2019).**

<table>
<thead>
<tr>
<th></th>
<th>Students</th>
<th>Faculty</th>
<th>Staff</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawaiian and Pacific Islander</td>
<td>17</td>
<td>7</td>
<td>15</td>
<td>10</td>
</tr>
</tbody>
</table>

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**Table 3. Undergraduate Student Enrollment by program over the past 3 years, based on Fall enrollment.**

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>% Change from 2018-2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC</td>
<td>111</td>
<td>129</td>
<td>155</td>
<td>40</td>
</tr>
<tr>
<td>BE</td>
<td>36</td>
<td>35</td>
<td>37</td>
<td>3</td>
</tr>
<tr>
<td>DPD</td>
<td>N/A</td>
<td>29</td>
<td>29</td>
<td>0</td>
</tr>
<tr>
<td>FDM</td>
<td>77</td>
<td>77</td>
<td>89</td>
<td>16</td>
</tr>
<tr>
<td>FSHN</td>
<td>91</td>
<td>97</td>
<td>105</td>
<td>15</td>
</tr>
<tr>
<td>HDFS</td>
<td>140</td>
<td>165</td>
<td>169</td>
<td>21</td>
</tr>
<tr>
<td>MBB</td>
<td>38</td>
<td>48</td>
<td>53</td>
<td>39</td>
</tr>
<tr>
<td>NREM</td>
<td>115</td>
<td>107</td>
<td>130</td>
<td>13</td>
</tr>
<tr>
<td>TAE</td>
<td>33</td>
<td>37</td>
<td>43</td>
<td>30</td>
</tr>
<tr>
<td>CTAHR</td>
<td>707</td>
<td>727</td>
<td>811</td>
<td>15</td>
</tr>
</tbody>
</table>
Goal 2. Student Success
CTAHR in 2020-21 had its highest total enrollment in our recent history (Tables 3 and 4). During the past three years, with one exception, all CTAHR undergraduate programs grew between 3% and 40%.

Retention of our students was also high (Table 5), partly due to CTAHR’s Academic and Student Affairs Office. Student-centered programs, student lounge, food pantry, and cooking shows provided opportunities for inclusion - a cornerstone of student retention. Our multifaceted Advising program was well-received by students who gave it a 75% to 93% (Tables 6 and 7) “being satisfied to a great extent” rating.

When we asked our students, “What are you going to do after Graduation?” (Table 8), 84% of CTAHR graduating students either had a job, were continuing
their education, or acquired an internship. Even in the middle of the pandemic, where networking was limited, only 15% were unsure of their future plans following graduation (Fall 2020). A CTAHR degree means an employable graduate.

“Time to Graduation” across all degree programs was between 4 and 5 years (Table 9). One concern continues to be, because of the loss of faculty, whether programs continue to retain a clear 4-year path to graduation and still be taught by permanent, experienced faculty. This is particularly true for ANSC, HDFS and NREM; which is why this has to be one of our foci when we begin to hire again. We want to keep student satisfaction with their degree programs high, as shown in Table 10.

**Goal 3. Research**

CTAHR faculty have been on a path of increasing success in acquiring grants for a range of research, education, and extension activities (Table 11). During the past three years, the value of extramural awards increased from $13.9 million in 2019 to $20.8 million in 2020, then to $25.2 million in 2021. The average value of awards per individual faculty PI increased substantially (79%) from $181K in 2019 to $324K in 2021 (Table 12).

Faculty produced 205 peer-reviewed articles published in 2019, and 213 peer-reviewed articles published in 2020 (Appendix 5). CTAHR undergraduate students were also active in research: 100% of graduating students in MBBE applied for undergraduate research funding (e.g., from Undergraduate Research Opportunity Program [UROP]) and 85% of graduating students completed UROP projects. A number of patents were obtained recently (8) or are in the application phase (8).

**Goal 4. Responsive to the Needs of Hawai‘i**

CTAHR is organized around supporting the industries in the state. We have a diverse CTAHR Advisory Council. Extension programs have their own advisory groups. These groups keep us in touch with the industries and communities. We develop programs based on their input. Below are just a few ways CTAHR is meeting the needs of the state.

- There is an increasing need to train new farmers, as the average age of farmers is over 60. The GoFarm Hawai‘i program is successful in training farmers. Over 70% of its graduates are farming on their own

<table>
<thead>
<tr>
<th>Term</th>
<th># Responses</th>
<th>Unsure</th>
<th>Continue Education</th>
<th>Full-time Employment</th>
<th>Part-time Employment</th>
<th>Internship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2020</td>
<td>27</td>
<td>15%</td>
<td>26%</td>
<td>48%</td>
<td>7%</td>
<td>4%</td>
</tr>
<tr>
<td>Spring-Summer 2020</td>
<td>70</td>
<td>9%</td>
<td>11%</td>
<td>64%</td>
<td>13%</td>
<td>1%</td>
</tr>
<tr>
<td>Fall 2019</td>
<td>39</td>
<td>8%</td>
<td>21%</td>
<td>67%</td>
<td>5%</td>
<td>0%</td>
</tr>
<tr>
<td>Spring-Summer 2019</td>
<td>110</td>
<td>16%</td>
<td>23%</td>
<td>40%</td>
<td>16%</td>
<td>5%</td>
</tr>
<tr>
<td>Fall 2018</td>
<td>52</td>
<td>15%</td>
<td>17%</td>
<td>60%</td>
<td>6%</td>
<td>2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC</td>
<td>4.3</td>
<td>4.3</td>
<td>4.6</td>
</tr>
<tr>
<td>BE</td>
<td>5</td>
<td>4.5</td>
<td>5</td>
</tr>
<tr>
<td>DPD</td>
<td>4.5</td>
<td>4.7</td>
<td>4.3</td>
</tr>
<tr>
<td>FDM</td>
<td>4.3</td>
<td>4.2</td>
<td>4.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quality of Programs</th>
<th>Highest</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
<th>Lowest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please rate the overall quality of your academic program.</td>
<td>40%</td>
<td>41%</td>
<td>13%</td>
<td>4%</td>
<td>1%</td>
</tr>
</tbody>
</table>
or are working on farms. A graduate of GoFarm is automatically eligible to lease land from the Hawai’i Department of Agriculture. Expansion of the GoFarm program will be a significant addition to training farmers for the future.

• The Fashion Design and Merchandizing program feeds the burgeoning fashion industry with a workforce, but also inspires graduates to start their own businesses.

• Extension’s purpose is to be responsive to the needs of communities and individuals through education in the areas of agriculture, natural resources, and human resources. For example, our edible crops group has a longstanding reputation for working with agriculturalists and industries. The EF-NEP/SNAP group helps educate citizens on acquiring and using these programs (formerly Food Stamps). Our human resource agents educate groups on family resilience.

• Our BE program is developing new knowledge and methods to help agriculture become a circular economy. Three examples are the use of black flies to produce ethanol from waste, engineering a yeast biorefinery that can use agricultural wastes to produce high-value oleochemicals, and improving the cost-effectiveness of producing local aquatic feed from papaya fruit wastes via bioprocessing.

• CTAHR has a recognized research program on maintaining soil health, which is fundamental to maintaining the sustainability of Hawai’i agriculture and natural ecosystems.

• Hawai’i has a serious shortage of trained, certified human and family services workers. Human service occupations are among the fastest growing jobs in Hawai’i. A yearly growth rate of 3-4% creates a workforce demand for over 800 jobs. The HDFS undergraduate program is feeding this local need.

Goal 5. Outreach/Engagement

CTAHR’s Cooperative Extension Service – our Extension Agents and Specialists – “...empowers farmers, ranchers, and communities of all sizes to meet the challenges they face, adapt to changing technology, improve nutrition and food safety, prepare for and respond to emergencies, and protect our environment (USDA).” Extension took the greatest hit during the pandemic: 43% of faculty positions lost or frozen were Agents and 27% were Specialists. Yet, in the face of that, Extension continued its activity. Providing programs in a virtual environment attracted more participants. This is a trend seen by many Extension programs around the county.

Extension education is the promotion of life-long learning through community events, workshops, field-days, and presentations. Hawai’i Cooperative Extension delivered highly impactful programming in 2020, in spite of difficult conditions:

• 82,572 direct contacts with the public through a two-way exchange of information.

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### Table 11. Value ($) of extramural awards garnered by CTAHR PIs by UHM fiscal year (ORS data).

<table>
<thead>
<tr>
<th>Unit</th>
<th>2019 Awards</th>
<th>2020 Awards</th>
<th>2021 Awards</th>
<th>3-YEAR TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEPS</td>
<td>4,095,347</td>
<td>5,088,640</td>
<td>8,353,180</td>
<td>17,537,167</td>
</tr>
<tr>
<td>HNFAS (ANSC, FSHN)</td>
<td>2,599,529</td>
<td>2,806,362</td>
<td>2,508,098</td>
<td>7,913,989</td>
</tr>
<tr>
<td>TPSS</td>
<td>549,199</td>
<td>1,756,809</td>
<td>3,079,614</td>
<td>5,385,622</td>
</tr>
<tr>
<td>NREM</td>
<td>997,095</td>
<td>1,641,900</td>
<td>2,076,637</td>
<td>4,715,632</td>
</tr>
<tr>
<td>MBBE (MBBE, BE)</td>
<td>1,611,103</td>
<td>495,000</td>
<td>1,489,939</td>
<td>3,596,042</td>
</tr>
<tr>
<td>FCS (HDFS, FDM)</td>
<td>241,698</td>
<td>230,000</td>
<td>-20,000</td>
<td>451,698</td>
</tr>
<tr>
<td>FCS (COF)</td>
<td>224,041</td>
<td>3,731,175</td>
<td>663,165</td>
<td>4,618,381</td>
</tr>
<tr>
<td>Hawai’i County</td>
<td>949,989</td>
<td>1,293,408</td>
<td>1,665,040</td>
<td>3,908,437</td>
</tr>
<tr>
<td>Oahu County</td>
<td>895,705</td>
<td>155,000</td>
<td>175,770</td>
<td>1,226,475</td>
</tr>
<tr>
<td>Maui County</td>
<td>144,709</td>
<td>368,415</td>
<td>446,126</td>
<td>959,250</td>
</tr>
<tr>
<td>Kauai County</td>
<td>19,300</td>
<td>7,800</td>
<td>-</td>
<td>27,100</td>
</tr>
<tr>
<td>CTAHR (ASAO)</td>
<td>495,840</td>
<td>2,348,390</td>
<td>2,785,995</td>
<td>5,630,225</td>
</tr>
<tr>
<td>CTAHR (Extension)</td>
<td>430,115</td>
<td>551,765</td>
<td>1,398,076</td>
<td>2,379,956</td>
</tr>
<tr>
<td>CTAHR (Research)</td>
<td>688,867</td>
<td>312,839</td>
<td>615,863</td>
<td>1,617,569</td>
</tr>
<tr>
<td>TOTAL BY YEAR</td>
<td>13,942,537</td>
<td>20,787,503</td>
<td>25,237,503</td>
<td>59,967,543</td>
</tr>
</tbody>
</table>

### Table 12. Total extramural awards, number of faculty PIs, and average value of awards per faculty PI.

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Total Award $</th>
<th>Unique Faculty PIs</th>
<th>Award $ per PI</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>13,942,537</td>
<td>77</td>
<td>181,072</td>
</tr>
<tr>
<td>2020</td>
<td>20,787,503</td>
<td>72</td>
<td>288,715</td>
</tr>
<tr>
<td>2021</td>
<td>25,237,503</td>
<td>78</td>
<td>323,558</td>
</tr>
</tbody>
</table>
• 1,948,054 indirect contacts with the public through one-way exchange of information.
• 2,030,626 total contacts with educational content.
• 700+ workshops, field days, and demonstrations presented to 26,000 participants.
• 281 Extension publications, including fact sheets, bulletins, newsletters, new articles, videos.
• 8,882 participants adopted practices or changed behavior because of Extension educational programming.
• Extension faculty were part of 77 extramural grants totaling $10,000,000 to address issues at the state and county levels.
• 1,200 Extension volunteers gave 130,000 hours of service, valued at $3,600,000.

In summary, Instruction/Research/Extension, the three components that make up a land grant college, found ways to continue activities and impact, even during a budget and public health crisis. CTAHR exhibited its value to the university and to the state of Hawai‘i. The current year (2021) still presents us with challenges, but faculty and staff have shown that challenges are simply obstacles to be overcome.

Appendix 1: Acronyms

ANSC  Animal Sciences
BE    Biological Engineering
COF   Center on the Family
CSS   College of Social Sciences
DPD   Dietetics
FCS   Family and Consumer Sciences
FDM   Fashion Design and Merchandising
FSHN  Food Science and Human Nutrition
HDFS  Human Development and Family Sciences
HNFAS Human Nutrition, Food and Animal Sciences
MBBE  Molecular Biosciences and Biotechnology (Department and Undergraduate Program)
NREM  Natural Resources and Environmental Management
PEPS  Plant and Environmental Protection Sciences
TAE   Tropical Agriculture and the Environment
TPSS  Tropical Plant and Soil Sciences
WICHE Western Interstate Commission for Higher Education

Appendix 2: Books Written or Edited by CTAHR Faculty in 2020


Appendix 3: Book Chapters by CTAHR Faculty in 2020


Appendix 4: Journals in which CTAHR Faculty have Refereed Publications in 2020
(156 total number of journals)

ACS Omega
Acta Horticulturae
Agricultural Systems
Agriculture & Food Security
Agroecology and Sustainable Food Systems
Agroforestry Systems
Analytical Chemistry
Animal Microbiome
Animal Science Journal
Animals
Applied Microbiology and Biotechnology
Applied Soil Ecology
Aquaculture
Aquaculture Nutrition
Archives of Virology
Arthropod-Plant Interactions
Biodiversity and Conservation
Biological Control
Biological Invasions
BIO-PROTOCOL
Bioresource Technology
bioRxiv
BMC Genetics
Botanical Journal of the Linnean Society
Brown University Digest of Addiction Theory and Application
Bulletin of the American Meterological Society
Cell
Chemosphere
Child & Family Social Work
Communications Biology
Critical Reviews in Food Science and Nutrition
Crop Protection
Current Opinion in Biotechnology
Development Policy Review
Diversity and Distributions
Earth System Science Data
Ecological Monographs
Ecology and Evolution
Ecology and Society
Ecopsychology

Educational Perspectives
Educational Research for Policy and Practice
Environmental Entomology
Environmental Research
Environmental Science and Pollution Research
Environmental Science and Pollution Research International
Environment Science and Technology
European Journal of Plant Pathology
European Journal of Social Science Education And Research
Food Chemistry
Food Engineering Reviews
Food Science and Biotechnology
Foods
Forest Ecology and Management
Frontiers in Chemistry
Frontiers in Microbiology
Frontiers in Plant Science
Frontiers in Veterinary Science
G3: Genes|Genomes|Genetics
General and Comparative Endocrinology
Genetic Resources and Crop Evolution
Genome Biology
Genomics
Global Change Biology Bioenergy
Hawaii Journal of Health & Social Welfare
Horticulturae
HortScience
HortTechnology
Industrial Crops and Products
Insect Conservation and Diversity
Insect Pests
Insect Science
International Journal of Biometeorology
International Journal of Community Well-Being
International Journal of Environmental Research and Public Health
International Journal of Quantitative Research in Education
International Journal of Smart Grid and Clean Energy
International Journal of Tropical Insect Science
Journal of Agricultural and Food Chemistry
Journal of Animal Science and Biotechnology
Journal of Applied Horticulture
Journal of Applied Microbiology
Journal of Biogeography
Appendix 5: Refereed Journal Articles Published by CTAHR Faculty in 2020
(212 total number of articles)


Du, Pei-Pei, Yu-Hong Huang, Huixiong Lu, Lei Xiang, Yan-Wen Li, Hui Li, Ce-Hui Mo, Quan-Ying Cai, and Qing X. Li. 2020. “Rice Root Exudates Enhance Desorption and Bioavailability of Phthalic Acid Esters (PAEs) in Soil Associating with Cultivar Variation in PAE Accumulation.” Environmental Research 186: 109611.


Gillett, Conrad P. D. T., David Honsberger, Christine Elliott, and Daniel Rubinoff. 2020. “Two Endemic Species of Hawaiian Bark Beetles Newly Recorded from the Island of Moloka‘i (Coleoptera: Curculionidae: Scolytinae).” Transactions of the American...

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Hu, Daihua, Wang Chen, Xinsheng Li, Tianli Yue, Zhijian Zhang, Zili Feng, Cuili Li, Xing Bu, Qing X. Li, Ching Y. Hu, and LiuDi Li. 2020. “Ultraviolet Irradiation Increased the Concentration of Vitamin D2 and Decreased the Concentration of Ergosterol in Shiitake Mushroom (Lentinus edodes) and Oyster Mushroom (Pleurotus ostreatus) Powder in Ethanol Suspension.” ACS Omega 5 (13): 7361–68.


Jin, Pengfei, Haonan Wang, Zheng Tan, Zhe Xuan, Ghulam Yaseen Dahar, Qing X. Li, Weiguo Miao,


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“As a transfer student, I feared being left out, but CTAHR faculty engaged with me and provided great resources. They helped me to connect, grow, and succeed alongside my peers. My success wouldn’t have been possible without this level of acceptance and nurturing.

With my confidence from being a CTAHR student, I am eager to build my professional skills and relationships, despite any challenges or obstacles that come my way.”

Soch Tork
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CTAHR Student Ambassador
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