

Belmont University

## Belmont Digital Repository

---

Science University Research Symposium  
(SURS)

Special Events

---

Fall 11-30-2023

### CO<sub>2</sub> Sequestration and Temperature Modulation by Plants on Green Roofs

Matthew L. Fumarola  
matthew.fumarola@bruins.belmont.edu

Clema Balire  
clema.balire@bruins.belmont.edu

Darlene Panvini

Follow this and additional works at: <https://repository.belmont.edu/surs>



Part of the [Physical Sciences and Mathematics Commons](#)

---

#### Recommended Citation

Fumarola, Matthew L.; Balire, Clema; and Panvini, Darlene, "CO<sub>2</sub> Sequestration and Temperature Modulation by Plants on Green Roofs" (2023). *Science University Research Symposium (SURS)*. 124.  
<https://repository.belmont.edu/surs/124>

This Poster Presentation is brought to you for free and open access by the Special Events at Belmont Digital Repository. It has been accepted for inclusion in Science University Research Symposium (SURS) by an authorized administrator of Belmont Digital Repository. For more information, please contact [repository@belmont.edu](mailto:repository@belmont.edu).

**Non-Exclusive Distribution License for Submissions to the  
Belmont University, Bunch Library Digital Repository**

By submitting this license, you (the author(s) or copyright owner) grant to Belmont University the nonexclusive right to reproduce, convert (as defined below), and/or distribute your submission (including the abstract) worldwide in print and electronic format and in any medium, including but not limited to audio or video.

You agree that Belmont University may, without changing the content, convert the submission to any medium or format for the purpose of preservation.

You also agree that Belmont University may keep more than one copy of this submission for purposes of security, back-up and preservation.

You represent that the submission is your original work, and that you have the right to grant the rights contained in this license. You also represent that your submission does not, to the best of your knowledge, infringe upon any third party rights including, but not limited to, those related to copyright, trademark, patent, trade secret, or a nondisclosure agreement. .

If the submission contains material for which you do not hold copyright, you represent that you have obtained any necessary permission from the copyright owner to grant Belmont University the rights required by this license, and that such third-party owned material is clearly identified and acknowledged within the text or content of the submission.

IF THE SUBMISSION IS BASED UPON WORK THAT HAS BEEN SPONSORED OR SUPPORTED BY AN AGENCY OR ORGANIZATION OTHER THAN BELMONT UNIVERSITY, YOU REPRESENT THAT YOU HAVE FULFILLED ANY RIGHT OF REVIEW OR OTHER OBLIGATIONS REQUIRED BY SUCH CONTRACT OR AGREEMENT.

You agree to indemnify, defend and hold harmless Belmont University, and its successors and assigns and licensees, officers, directors, employees, representatives and agents from and against all damages, claims, costs, and expenses, including reasonable attorneys' fees which Belmont may sustain or incur by reason of any breach of any agreement, representation or warranty made by you in this license agreement.

Belmont University will clearly identify your name(s) as the author(s) or owner(s) of the submission, and will not make any alteration, other than as allowed by this license, to your submission.

I have read and accept all the terms of this license agreement:

Signature: A Darlene Panini Date: 11-14-2023

Print Name: A. Darlene Panini

Email Address: darlene.panini@belmont.edu

If under 18 years of age:

Parent's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Email Address: \_\_\_\_\_