Publications for 2024 NCERA 101 Committee

1. Abedi, M., X. Tan, E.J. Stallknecht, E.S. Runkle, J.F. Klausner, M.S. Murillo, and A. Bénard. 2023. Incorporating the effect of the photon spectrum on biomass accumulation of lettuce using a dynamic growth model. Front. Plant Sci. 14:1106576.
2. Addo, P.W., Z. Poudineh, M. Shearer, N. Taylor, S. MacPherson, V. Raghavan, V. Orsat, M. Lefsrud. 2023. Relationship between total antioxidant capacity, cannabinoids and
3. Adhikari P, Siddique MI, Louws FJ, Panthee DR (2023) Identification of quantitative trait loci associated with bacterial spot race T4 resistance in intra-specific populations of tomato (Solanum lycopersicum L.). PLoS ONE 18(12):e0295551. https://doi.org/10.1371/journal.pone.0295551
4. Ahamed, M. S., Sultan, M., Monfet, D., Rahman, M. S., Zhang, Y., Zahid, A., ... & Achour, Y. (2023). A critical review on efficient thermal environment controls in indoor vertical farming. Journal of Cleaner Production, 138923.
5. Aleem, M., Sultan, M., Farooq, M., Riaz, F., Yakout, S. M., Ahamed, M. S., ... & Shahzad, M. W. (2023). Evaluating the emerging adsorbents for water production potential and thermodynamic limits of adsorption-based atmospheric water harvesting systems. International Communications in Heat and Mass Transfer, 145, 106863.
6. Asfahan, H. M., Sultan, M., Farooq, M., Riaz, F., Ibrahim, S. M., Ahamed, M. S., & Imran, M. (2023). Performance Evaluation of Phenol-Resin-Based Adsorbents for Heat Transformation Applications. Materials, 16(15), 5262.
7. Asif, M., Sultan, M., Khan, Z. M., Ahmad, S., Khan, M. U., Ahamed, M. S., & Shamshiri, R. R. (2023). Disaster Risk Reduction Through Agricultural Engineering Technologies. In Disaster Risk Reduction in Agriculture (pp. 489-507). Singapore: Springer Nature Singapore.
8. Bashir, A., M. Ojo, & A. Zahid. 2023. Real-time Estimation of Strawberry Maturity Level and Count Using CNN in Controlled Environment Agriculture. In 2023 ASABE Annual International Meeting (p. 1). ASABE. https://doi.org/https://doi.org/10.13031/aim.202300625
9. Biradar, K. and Q. Meng*. 2024. Nutrient solution application of a calcium-mobilizing biostimulant mitigates tipburn without decreasing biomass of greenhouse hydroponic lettuce. HortScience 59(1):92–98. [CrossRef]
10. Brewer, D. 2023. Improving color and phenolic content of leafy greens and microgreens with end-of-production lighting and cooling. M.S. thesis, Dept. of Hort., Mich. State Univ., East Lansing, MI.
11. Brewer, D. and R.G. Lopez. 2023. Influencing red leaf lettuce. Inside Grower 24–25.
12. Browning, A., D. Smitley, J. Studyvin, E.S. Runkle, Z.Y. Huang, and E. Hotchkiss. 2023. Variation in pollinator visitation among garden cultivars of marigold, portulaca, and bidens. J. Econ. Entomol. 116:872-881.
13. Brumfield, R.G., D. Greenwood, M. Flahive DiNardo, A.J. Both, J.R. Heckman, R. Govindasamy, N. Polanin, A.A. Rouff, A. Rowe, R. VanVranken, and S. Arumugam. 2023. A risk management training program designed to empower urban women farmers. HortScience 58(11):1291-1296. https://doi.org/10.21273/HORTSCI17305-23
14. Brumfield, R.G., M. Flahive Di Nardo, A.J. Both, J. Heckman, A. Rowe, R. VanVranken and M. Bravo. 2023. Online workshop empowers women farmers to manage business risk during the pandemic
15. Bunce, J.A. “Photosynthetic Acclimation to Temperature Is Affected by Night Temperature in Zea mays.” Photosynthetica 62, no. 1 (February 22, 2024): 112–15. https://doi.org/10.32615/ps.2024.008.
16. Bunchek et al. 2024. Pick-and-eat space crop production flight testing on the International Space Station. J. Plant Interactions, 19:1 https://DOI.org/10.1080/17429145.2023.2292220

17. Bunchek, J.M., Mary E. Hummerick, LaShelle E. Spencer, Matthew W. Romeyn, Millennia Younge, Robert C. Morrow, Cary A. Mitchell, Grace L. Douglas, Raymond M. Wheeler and Gioia D. Massa. 2024. Pick-and-eat space crop production flight testing on the International Space Station. JOURNAL OF PLANT INTERACTIONS 2024, VOL. 19, NO. 1, 2292220 https://doi.org/10.1080/17429145.2023.2292220.
18. Burris, K., O.D. Simmons III, H.M. Webb, L.M. Deese, R.G. Moore, L-A. Jaykus, J. Zheng, E. Reed, C.M. Ferreira, E.W. Broown & R.L. Bell. 2023. Colonization and Internalization of Salmonella enterica and Its Prevalence in Cucumber Plants. Fronters in Microbiology, doi: 10.3389/fmicb.2020.01135.
19. Charles, M., B. Edwards, E. Ravishankar, J. Calero, R. Henry, J. Rech, C. Saravitz,
20. Chowdhury, M., Ahsan, T. A., & Ahamed, M. S. (2023). Assessment of health hazards of greenhouse workers considering UV exposure and thermal comfort. Smart Agricultural Technology, 5, 100319.
21. Dehnavi, M. M., Damerum, A., Taheri, S., Ebadi, A., Panahi, S., Hodgin, G., ... & Taylor, G. (2024). Population genomics of a natural Cannabis sativa L. collection from Iran identifies novel gen
22. Gimondo, J. and E. Runkle. 2023. Understanding the forms of nitrogen in water-soluble fertilizers for greenhouse growers. MSU Extension Floriculture News, June 12.
23. Gimondo, J. and R.G. Lopez. 2023. Ammonium toxicity can cause chlorosis in pansies and other crops. MSU Floriculture Extension News, April 21.
24. Giwon L., O. Hossain, S. Jamalzadegan, Y. Liu, H. Wang, A.C. Saville, T. Shymanovich, R. Paul, D. Rotenberg, A.E. Whitfield, J.B. Ristaino, Y. Zhu, & Q. Wei1.2023. Abaxial leaf surface-mounted multimodal wearable sensor for continuous plant physiology monitoring. Sci. Adv. 9, eade2232.
25. Gott et al. (2022). Plasma sanitization of cherry belle radish seeds for Space agricultural applications. Plasma Res. Express, 4(2), 025001.
26. Hansel, J., Saville, A.C., and Ristaino, J.B. 2023. Evaluation of a formulation of Bacillus subtilis for control of Phytophthora blight of bell pepper. Plant Disease. https://doi.org/10.1094/PDIS-04-23-0807-RE
27. Hardy JM, Nabity JA, Kociolek P, Massa G. (2022) Review of Targeted Lighting Approaches for Controlled Environment Agriculture in Space Habitats. Intl. Conf. Environ. Systems ICES-2022-06
28. Hibbert, L. E., Qian, Y., Smith, H. K., Milner, S., Katz, E., Kliebenstein, D. J., & Taylor, G. (2023). Making watercress (Nasturtium officinale) cropping sustainable: genomic insights into enhanced phosphorus use efficiency in an aquatic crop. Frontiers in Plant Science, 14, 1279823.
29. Hitti, Y., S. MacPherson, M. Lefsrud. 2023. Separate Effects of Sodium on Germination in Saline-Sodic and Alkaline form at Different Concentrations. Plants 12(1234):1-13.
30. Hornstein, E., M. Charles, M. Franklin, B. Edwards, S. Vintila, M.l Kleiner, and H. Sederoff. 2023. Re-engineering a lost trait: IPD3, a master regulator of arbuscular mycorrhizal symbiosis, affects genes for immunity and metabolism of non-host Arabidopsis when restored long after its evolutionary loss. bioRxiv. doi: 10.1101/2023.03.06.531368
31. Hosseini Monjezi, P., Taki, M., Abdanan Mehdizadeh, S., Rohani, A., & Ahamed, M. S. (2023). Prediction of Greenhouse Indoor Air Temperature Using Artificial Intelligence (AI) Combined with Sensitivity Analysis. horticulturae, 9(8), 853.
32. Hummerick et al. 2022. The Microbiology of Microgreens Grown in Controlled Environment Chambers under ISS Conditions. Intl. Conf. Environ. Systems ICES-2022-267

33. Imberti, D.. 2024. LED Spectra in Plant Growth. Produce Grower. https://www.producegrower.com/form/led-spectra-plant-growth-percival-whitepaper/ .
34. Iro, K. and R.G. Lopez. 2023. A focus on DLI: Successfully rooting foliage plants and succulents. GrowerTalks 87(2):54−58.
35. Iro, K. and R.G. Lopez. 2023. A Focus on root-zone temperature: Successfully rooting foliage plants and succulents. GrowerTalks 87(4):54−58.
36. James R., M. Taggart, D. Martin, & E. Lobaton. 2023. Rapid Drought Stress Detection in Plants Using Bioimpedance Measurements and Analysis. IEEE Transactions On Agrifood Electronics, Vol. 1, No. 2, December 2023
37. Jeong, S., Niu, G., Zhen, S. 2024. Far-red light and temperature interactively regulate phytochrome activities, plant growth, and morphology of lettuce and basil. Environmental and Experimental Botany, vol. 218, February 2024, 105589. https://doi.org/10.1016/j.envexpbot.2023.105589.
38. Kalvakaalva, R.2, M. Smith, S.A. Prior, G.B. Runion, E. Ayipio, C. Blanchard, D. Wells, D. Blersch, S. Adhikari, R. Prasad, T. Hanson, N. Wall-----3, B.T. Higgins1. 2023. Life cycle assessment of a decoupled biofloc aquaponics facility across seasons. Journal of Cleaner Production. 429. 139356.
39. Kalvakaalva, R.2, M. Smith, S.A. Prior, G.B. Runion, E. Ayipio, C. Blanchard, D. Wells, D. Blersch, S. Adhikari, R. Prasad, T. Hanson, N. Wall-----3, B.T. Higgins1. 2023. Mass-Balance Process Model of a Decoupled Aquaponic System. Journal of the ASABE. 66(4): 955-967.
40. Kelly, N. 2023. The effects of the photon spectrum on growth and quality attributes of leafy greens produced indoors. PhD diss., Dept. of Hort., Mich. State Univ., East Lansing, MI.
41. Kelly, N. and E. Runkle. 2024. Improving lettuce nutrition & coloration with lighting. Inside Grower Spring:28-29.
42. Kelly, N. and E.S. Runkle. 2023. End-of-production ultraviolet A and blue light similarly increase lettuce coloration and phytochemical concentrations. HortScience 58:525-531.
43. Kelly, N. and E.S. Runkle. 2023. Ultraviolet A and blue light transiently regulate total phenolic and anthocyanin concentrations in indoor-grown red-leaf lettuce. HortScience 58:1595–1602.
44. Kennebeck, E.J. and Q. Meng*. 2024. Far-red light and nitrogen concentration elicit crop-specific responses in baby greens under superelevated CO2 and continuous light. J. Amer. Soc. Hort. Sci. 149(2):92–98. [CrossRef].
45. Kennebeck, E.J. and Q. Meng*. 2024. Mustard ‘Amara’ benefits from superelevated CO2 while adapting to far-red light over time. HortScience 59(2):139–145. [CrossRef]
46. Kong, Y., J. Masabni, and G. Niu. 2023. Effect of temperature variation and blue and red LEDs on the elongation of arugula and mustard microgreens. Horticulturae 2023, 9, 608. DOI.org/10.3390/horticulturae9050608.
47. Kong, Y., J. Masabni, and G. Niu. 2023. Temperature and light spectrum differently affect growth, morphology, and leaf mineral content of two indoor-grown leafy vegetables. Horticulturae 2023, 9, 331. doi.org/10.3390/horticulturae9030331.
48. Kong, Y., Zhu, Y., Kang, S. , and Zhen, S. (2024). Sulfur Supplementation Enhanced the Growth and Photosynthesis of Lettuce in Hydroponic Production Using One-bag Complete Fertilizer. HortScience, 59, 412-420. DOI: https://doi.org/10.21273/HORTSCI17644-23
49. Kurasaki, R., M. Byrd, and K. Kobayashi. 2023. Low-cost light sensors for indoor agriculture. Extension Bulletin CTAHR FST-68.
50. lettuce and tomato grown under wavelength-selective solar cells. Front. Plant Sci. 14:1087707.doi: 10.3389/fpls.2023.1087707.

51. Lewis, N., & Bradford, I. 2023. Factors Affecting Petri Dish Condensation in Tissue Culture (CU) Chambers. Percival-Scientific. https://www.percival-scientific.com/wp-content/uploads/2023/10/Condensation-report.pdf
52. Lindberg, H., E. Runkle, and J. Gimondo. 2023. Where can I learn more about how to grow this crop? MSU Extension Floriculture News, April 4.
53. Lopez, R.G. 2023. Photoperiod management- Flower induction of specialty cut flowers. Greenhouse Product News 33(10): 6–8.
54. Lopez, R.G. and C. Spall. 2023. Dianthus adds volume to cut flower arrangements. Greenhouse Grower 36(8):10−12.
55. Lopez, R.G. and C. Spall. 2023. Dianthus adds volume to cut flower arrangements. Greenhouse Grower 36(8):10−12.
56. Lopez, R.G. and J. Gimondo. 2023. Avoiding ammonium toxicity is easy! e-GRO edible Alert 12(21):1–5.
57. Lopez, R.G. Apr. 2023. Uneven lettuce growth in NFT systems. e-GRO Blog.
58. Lopez, R.G. Mar. 2023. Pour-thru on primula. e-GRO Blog.
59. Luo, L., X. Jiang, Y. Yu, E.R.A. Samy, M. Lefsrud, S. Sun. 2023. Eff-3DPSeg: 3D organ-level plant shoot segmentation using annotation-efficient point clouds. Plant Phenomics 5 (0080)
60. Mansoori, M., B.-S. Wu, P. W. Addo, S. MacPherson, M. Lefsrud. 2023. Growth responses of tomato plants to different wavelength ratios of amber, red, and blue light. Scientia Horticulturae 322(2023):112459.
61. Meier et al.. (2021) Reviewing plasma peed treatments for advancing agriculture applications on Earth and into the final frontier. Gravitational and Space Research, 9(1), 133-158.
62. Meng, Q. 2023. Measuring the efficacy of LEDs: Timing white versus red + far-red LEDs to control flowering.
63. Meng, Q.* and S.N. Severin. 2024. Continuous light can promote growth of baby greens over diurnal light under a high daily light integral. Environ. Exp. Bot. 105695. [CrossRef]
64. Meng, Q.* and S.N. Severin. 2024. Continuous light can promote growth of baby greens over diurnal light under a high daily light integral. Environ. Exp. Bot. 105695. [CrossRef]
65. Morrow, R.C., J. P. Wetzel, S.A. Moffett, M.R. Bair, and L. Kelsey. 2023. The Roles of Plants in a Commercial Space Habitat. 52nd International Conference on Environmental Systems. Paper ICES-2023-349.
66. Morsi A, Massa GD, Morrow RC, Wheeler RM, Mitchell CA (2022) Comparison of two controlled-release fertilizer formulations for cut-and-come-again harvest yield and mineral content of Lactuca sativa L. cv. Outredgeous grown under International Space Station environmental conditions. Life Sci. Space Res. 32: 71-78 https://doi.org/10.1016/j.lssr.2021.12.001
67. Morsi et al. 2024. Leaf yield and Mineral content of mizuna in response to cut-and-come-again harvest, substrate particle size, and fertilizer formulation in a simulated spaceflight environment. Life Sci. Space Res. https://doi.org/10.1016/j.lssr.2023.09.005
68. Morsi, A.H., G.D. Massa, R.C. Morrow, R.M. Wheeler, M. A. Elsysy, C.A. Mitchell. 2023. Leaf yield and mineral content of mizuna in response to cut-and-come-again harvest, substrate particle size, and fertilizer formulation in a simulated spaceflight environment. Life Sciences in Space Research 40 (2024) 106–114.
69. Nasrin, T., Mottakin, M., Selvanathan, V., Hossain, M. I., Shahiduzzaman, M., Islam, M. A., ... & Akhtaruzzaman, M. (2023). Performance optimization and defect studies of Pb-free CsSnBr3-based perovskite solar cells. Materials Today Communications, 37, 107000.

70. Nikol, V., Hancock, R. D., Becerra-Sanchez, F., Qian, Y., & Taylor, G. (2023). Characterization of a new dwarf watercress (Nasturtium officinale R Br.)‘Boldrewood’in commercial trials reveals a consistent increase in chemopreventive properties in a longer-grown crop.
71. Ojo, M.O., & A. Zahid. 2023. Non-Destructive Biomass Estimation for Hydroponic Lettuce Production. In 2023 ASABE Annual International Meeting (p. 1). ASABE. https://doi.org/https://doi.org/10.13031/aim.202300776.
72. Ojo, M.O., A. Zahid, & J.G. Masabni. 2024. Estimating hydroponic lettuce phenotypic parameters for efficient resource allocation. Computers and Electronics in Agriculture, 218, 108642. https://doi.org/https://doi.org/10.1016/j.compag.2024.108642
73. Park, J., C. E. Collado, V. P. Lam and R. Hernández. 2023. Flowering Response of Cannabis sativa L. ‘Suver Haze’ under Varying Daylength-Extension Light Intensities and Durations. Horticulturae 2023, 9:526. https://doi.org/10.3390/horticulturae9050526
74. Poulet et al. (2022) Large-scale crop production for the Moon and Mars: Current gaps and future perspectives. Front. Astron. Space Sci. 8:733944. doi: 10.3389/fspas.2021.733944
75. Qarony, W., Hossain, M. I., Tamang, A., Jovanov, V., Shahiduzzaman, M., Ahamed, M. S., ... & Knipp, D. (2023). On the Potential of Optical Nanoantennas for Visibly Transparent Solar Cells. ACS Photonics, 10(12), 4205-4214.
76. Qian, Y., Hibbert, L. E., Katz, E., Smith, H. K., Kliebenstein, D. J., & Taylor, G. (2023). Watercress yield and quality vary depending on both genotype and environment: Results from highly contrasting growing systems of California and UK. Scientia Horticulturae, 319, 112154.
77. Rahman, M. S., Han, J., Ge, G., Ahamed, M. S., & Guo, H. (2023). Experimental evaluation of three different dehumidifiers for greenhouses in cold regions. Applied Thermal Engineering, 234, 121324.
78. Rahman, M. S., S. MacPherson, M. Lefsrud. 2023. A study on evaporative cooling capacity of a novel green wall to control ventilating air temperature. Journal of Building Engineering 77(2023):107466.
79. Refereed conference proceedings article:
80. Runkle, E. 2023. Crop acclimation. Greenhouse Product News 33(11):10-11.
81. Runkle, E. 2023. Lighting plants indoors, without sunlight. Greenhouse Product News 33(5):10.
82. Runkle, E. 2023. The importance of transpiration. Greenhouse Product News 33(9):12-13.
83. Runkle, E. 2024. LED lighting: A 2024 update. Greenhouse Product News 34(1):12-13.
84. Saleque, A. M., Thakur, A. K., Saidur, R., Hossain, M. I., Qarony, W., Ahamed, M. S., ... & Tsang, Y. H. (2024). rGO coated cotton fabric and thermoelectric module arrays for efficient solar desalination and electricity generation. Journal of Materials Chemistry A, 12(1), 405-418.
85. Samira, R. L.F. Lopez, J. Holland & P.J. Balint-Kurti. 2023. Characterization of a HostSpecific Toxic Activity Produced by Bipolaris cookie, Causal Agent of Target Leaf Spot of Sorghum. Phytopathology. 113:
86. Schuerger et al (2022) Vegetable Health Challenges in Extraterrestrial Production. In: Elmer W.H., McGrath M., McGovern R.J. (eds) Handbook of Vegetable and Herb Diseases. Handbook of Plant Disease Management. Springer, Cham. https://doi.org/10.1007/978-3-030-35512-8_8-1
87. Sereshkeh, S.R.P., B. Llumiquinga. S. Bapatla, M.J. Grzenda, D. Specca, A.J. Both, and J. Singer. 2024. Staticaponics: Electrospray delivery of nutrients and water to the plant root zone. Journal of Electrostatics 128: article 103902. https://doi.org/10.1016/j.elstat.2024.103902
88. Sheibani F, Bourget M, Morrow RC, and Mitchell CA (2023) Close-canopy lighting, an effective energy-saving strategy for overhead sole-source LED lighting in indoor farming. Front. Plant Sci. 14:1215919. doi: 10.3389/fpls.2023.1215919.

89. Shelford, T. and A.J. Both. 2023. Lighting: The design phase. Consider six vital factors when designing sole-source or traditional greenhouse lighting. Produce Grower, April issue.
90. Sinclair, T. & N. Jafarikouhini. 2022. Plant waterflow restrictions among sweet corn lines related to limited-transpiration trait. Crop Science. 2022;62:1242–1250. DOI: 10.1002/csc2.20717
91. Sinclair, T., N. Jafarikouhini & D. Pradhan. 2024. Unexpectedly, triple super phosphate fertilizer induces maize drought resilience. Journal of Plant Nutrition, DOI: 10.1080/01904167.2024.2325948
92. Singer, J., S.R. Pejman, A.J. Both, D. Specca, and M.J. Grzenda. U.S. Application 18/236,765 filed on August 22, 2023. Title: Plant-safe electrospray water and nutrient delivery system.
93. Smith, C. and R.G. Lopez. 2023. The Problem with purple. GrowerTalks 87(7):36−40.
94. Spall, C.S. and R.G. Lopez. 2023. Supplemental lighting quality influences time to flower and finished quality of three long-day cut flowers. Horticulturae 9(1):73.
95. Spall, C.S., A.J. Soster, and R.G. Lopez. 2023. Spectrum of low-intensity screw-in horticultural light-emitting diode lamps influences time to flower and finished quality of long-day ornamental species. Scientia Horti. 320:1-11.
96. Spencer et al. 2023. Novel microgreen crop testing for space. Intl. Conf. Environ. Systems. ICES-2023-125.
97. Spencer et al. 2023. Legume crop testing for space. Intl. Conf. Environ. Systems. ICES-2023-124
98. Spencer et al. 2023. Legume crop testing for space. Intl. Conf. on Environ. Systems ICES-2023-124.
99. Spencer, L., J. Gooden, A. Curry, T. Sirmons, R. Wheeler, M. Romeyn. 2023. Novel microgreen crop testing for space. Intl. Conf. on Environ. Systems ICES-2023-125.
100. Stallknecht, E.J. 2023. Plant growth and development under experimental transparent photovoltaic and red-fluorescent greenhouse coverings. PhD diss., Dept. of Hort., Mich. State Univ., East Lansing, MI.
101. Stallknecht, E.J. and E.S. Runkle. 2023. Opportunities and challenges with advanced greenhouse glazing materials. Acta Hortic. 1377:205-218.
102. Stallknecht, E.J., C.K. Herrera, T.D. Sharkey, R.R. Lunt, and E.S. Runkle. 2023. Growth of snapdragon under simulated transparent photovoltaic panels for greenhouse applications. J. Environ. Hort. 41:170-179.
103. Stutte et al. 2022. Effect of reduced atmospheric pressure on growth and quality of two lettuce cultivars. Life Sci. Space Res. 34:37-44. https://doi.org/10.1016/j.lssr.2022.06.001
104. Sun, Y., G. Niu, and J. Masabni. 2024. Growth, gas exchange, and mineral nutrition of Punica granatum 'Wonderful' irrigated with saline water. Technology in Horticulture, 4: e002; https://doi.org/10.48130/tihort-0023-0030.
105. Tarr, S. and R.G. Lopez. 2023. Optimize your production parameters. Produce Grower 13–16.
106. Tarr, S. and R.G. Lopez. 2023. Unlocking the potential of indoor lettuce production. Produce Grower 12–13.
107. Tarr, S., S. Valle de Souza, and R.G. Lopez. 2023. Influence of day and night temperature and radiation intensity on growth, quality, and economics of indoor green butterhead and red oakleaf lettuce production. Sustainability 15(1):829.
108. Teng et al. (2022). Microgreens for Home, Commercial, and Space Farming: A Comprehensive Update of the Most Recent Developments. Annual Reviews in Food Science and Technology. (in proofing)
109. terpenoids in hops and cannabis. Plants 12(6):1225
110. W. You, H. Ade, B. O'Connor and H. Sederoff. 2023. Emergent molecular traits of

111. Walters, K.J. and R.G. Lopez. 2023. The influence of mean daily temperature and daily light integral on the growth, development, biomass partitioning, and color of purple basil, sage, spearmint, and sweet basil PLoS ONE 18(11):e0294905.
112. Wang et al. 2024. Highly stretchable, robust, and resilient wearable electronics for remote, autonomous plant growth monitoring. Device 2, https://doi.org/10.1016/j.device.2024.100322
113. Warner, R., B.-S. Wu, S. MacPherson, M. Lefsrud. 2023. How the distribution of photon delivery impacts crops in indoor plant environments: a review. Sustainability 5(5):4645.
114. Wheeler et al.. 2024. Effects of elevated and super-elevated carbon dioxide on salad crops for space. J. Plant Interactions Vol. 19, No. 1, 2292219 https://doi.org/10.1080/17429145.2023.2292219
115. Wheeler. 2023. NASA's contributions to vertical farming. Acta Hortic. 1369. ISHS 2023. DOI 10.17660/ActaHortic.2023.1369.1
116. Wu, B.-S., M. Mansoori, K. Trumpler, P.W. Addo, S. MacPherson, M. Lefsrud. 2023. Amber (595-nm) light supplemented with narrow blue (430-nm) light yields greater tomato biomass than white LEDs. Plants 12(13), 2457
117. Yu, P., Qin, K., Niu, G., Gu, M. 2023. Alleviate environmental concerns with biochar as a container substrate: A review. Frontiers in Plant Science, Vol 4, https://doi.org/10.3389/fpls.2023.1176646.
118. Zhang, Q, J. Masabni, and Niu, G. 2024. Organic fertilizer type and dose affect growth, morphological and physiological parameters, and mineral nutrition of watermelon seedlings. PeerJ DOI 10.7717/peerj.16902.
119. Zhen, S. , P. Kusuma, and B. Bugbee (2024). Photons at the ultraviolet-visible interface: Effects on leaf expansion and photoinhibition. Scientia Horticulturae 326, 112785. https://doi.org/10.1016/j.scienta.2023.112785.