

- Li Q.H., and Yang H.Q., 2007, Cryptochrome signaling in plants, *Photochemistry and Photobiology*, 83(1): 94-101.
<https://doi.org/10.1562/2006-02-28-IR-826>
- Mitchell C.A., Dzakovich M.P., Gomez C., Lopez R., Burr J.F., Hernández R., Kubota C., Currey C.J., Meng Q., and Runkle E.S., 2015, Light-emitting diodes in horticulture, *Horticultural Reviews*, 43: 1-88.
<https://doi.org/10.1002/9781119107781.ch01>
- Nazir M., Ullah M.A., Younas M., Siddiquah A., Shah M., Giglioli-Guivarc'h N., Hano C., and Abbasi B.H., 2020, Light-mediated biosynthesis of phenylpropanoid metabolites and antioxidant potential in callus cultures of purple basil (*Ocimum basilicum* L. var. *purpurascens*), *Plant Cell, Tissue and Organ Culture (PCTOC)*, 142(1): 107-120.
<https://doi.org/10.1007/s11240-020-01844-z>
- Olle M., and Viršile A., 2013, The effects of light-emitting diode lighting on greenhouse plant growth and quality, *Agricultural and Food Science*, 22(2): 223-234.
<https://doi.org/10.23986/afsci.7897>
- Paradiso R., and Proietti S., 2022, Light-quality manipulation to control plant growth and photomorphogenesis in greenhouse horticulture: the state of the art and the opportunities of modern LED systems, *Journal of Plant Growth Regulation*, 41(2): 742-780.
<https://doi.org/10.1007/s00344-021-10337-y>
- Park Y., and Runkle E.S., 2017, Far-red radiation promotes growth of seedlings by increasing leaf expansion and whole-plant net assimilation, *Environmental and Experimental Botany*, 136: 41-49.
<https://doi.org/10.1016/j.envexpbot.2016.12.013>
- Partap M., Sharma D., Thakur M., Verma V., and Bhargava B., 2023, Microgreen: a tiny plant with superfood potential, *Journal of Functional Foods*, 107: 105697.
<https://doi.org/10.1016/j.jff.2023.105697>
- Patel T.K., 2024, Growing beyond soil: the future of farming with hydroponics, *NewBioWorld*, 6(1): 07-20.
<https://doi.org/10.52228/NBW-JAAB.2024-6-1-2>
- Pennisi G., Pistillo A., Orsini F., Cellini A., Spinelli F., Nicola S., Fernandez J.A., Crepaldi A., Gianquinto G., and Marcelis L.F.M., 2020, Optimal light intensity for sustainable water and energy use in indoor cultivation of lettuce and basil under red and blue LEDs, *Scientia Horticulturae*, 272: 109508.
<https://doi.org/10.1016/j.scienta.2020.109508>
- Pomoni D.I., Koukou M.K., Vrachopoulos M.G., and Vasiliadis L., 2023, A review of hydroponics and conventional agriculture based on energy and water consumption, environmental impact, and land use, *Energies*, 16(4): 1690.
<https://doi.org/10.3390/en16041690>
- Rahman M.M., Vasiliev M., and Alameh K., 2021, LED illumination spectrum manipulation for increasing the yield of sweet basil (*Ocimum basilicum* L.), *Plants*, 10(2): 344.
<https://doi.org/10.3390/plants10020344>
- Rai N., Kumari S., Singh S., Saha P., Pandey A.K., and Pandey-Rai S., 2024, Modulation of morpho-physiological attributes and in situ analysis of secondary metabolites using Raman spectroscopy in response to red and blue light exposure in *Artemisia annua*, *Environmental and Experimental Botany*, 217: 105563.
<https://doi.org/10.1016/j.envexpbot.2023.105563>
- Ramezani M., Thompson D., Moreno M., and Joshi V., 2023, Biochemical repercussions of light spectra on nitrogen metabolism in spinach (*Spinacia oleracea*) under a controlled environment, *Frontiers in Plant Science*, 14: 1283730.
<https://doi.org/10.3389/fpls.2023.1283730>
- Samuolienė G., Viršilė A., Miliauskienė J., Haimi P.J., Laužikė K., Brazaitytė A., and Duchovskis P., 2021, The physiological response of lettuce to red and blue light dynamics over different photoperiods, *Frontiers in Plant Science*, 11: 610174.
<https://doi.org/10.3389/fpls.2020.610174>
- Schipper R., Van Der Meer M., De Visser P.H.B., Heuvelink E., and Marcelis L.F.M., 2023, Consequences of intra-canopy and top LED lighting for uniformity of light distribution in a tomato crop, *Frontiers in Plant Science*, 14: 1012529.
<https://doi.org/10.3389/fpls.2023.1012529>
- Seiler F., Soll J., and Bölter B., 2017, Comparative phenotypal and molecular analyses of *Arabidopsis* grown under fluorescent and LED light, *Plants*, 6(2): 24.
<https://doi.org/10.3390/plants6020024>
- Singh A., Ashoka P., Tyagi V., Panotra N., Kalpana K., and Pandey S.K., 2024, A comparative analysis of land, water and energy requirements for hydroponic and conventional cultivation of horticultural crops, *Journal of Scientific Research and Reports*, 30(9): 771-784.
<https://doi.org/10.9734/jsrr/2024/v30i92404>
- Smith H.L., McAusland L., and Murchie E.H., 2017, Don't ignore the green light: exploring diverse roles in plant processes, *Journal of Experimental Botany*, 68(9): 2099-2110.
<https://doi.org/10.1093/jxb/erx098>
- Soufi H.R., Roosta H.R., Fatehi F., and Ghorbanpour M., 2023, Spectral composition of LED light differentially affects biomass, photosynthesis, nutrient profile, and foliar nitrate accumulation of lettuce grown under various replacement methods of nutrient solution, *Food Science & Nutrition*, 11(12): 8143-8162.
<https://doi.org/10.1002/fsn3.3735>