

Contributions of the Sun must be considered in nature's contributions to people

Yoshiyasu Takefuji

Sandra Diaz et al. wrote an article entitled "Assessing nature's contributions to people" (1). Mother earth is not stand-alone. Nature's contributions must include contributions of the Sun while Sandra's paper did not take account of the Sun's contributions. The Sun not only provides energy to the earth but also a variety of benefits to people (2, 3). Sunshine is important in plant growth because the heat and the light required by all growing plants are supplied by solar radiation (4). Without the Sun's contributions, the term, "nature's contributions to people" (NCP) may mislead.

References:

1. Sandra Diaz et al., "Assessing nature's contributions to people," *Science*, 19 Jan 2018: Vol. 359, Issue 6373, pp. 270-272
2. <https://www.mirror.co.uk/lifestyle/dieting/15-reasons-sun-good-you-623393>
3. Catherline Ellen Foley, "Scientists have found yet another reason for you to get some sun this winter," <https://qz.com/868059/blue-light-from-sunlight-helps-improve-the-immune-system-by-circulating-t-cells/>
4. Andrew H. Palmer, "THE AGRICULTURAL SIGNIFICANCE OF SUNSHINE AS ILLUSTRATED IN CALIFORNIA," <http://journals.ametsoc.org/doi/abs/10.1175/1520-0493%281920%2948%3C151%3ATASOSA%3E2.0.CO%3B2>