

Supplementary material:

Table S1. The mean and minimum temperatures and precipitation (Debrecen-Pallag, Hungary, 2016-2022).

| Months | Mean temperature (°C) | | | | | | | Minimum temperature (°C) | | | | | | | Precipitation (mm) | | | | | | |
|-----------|-----------------------|------|------|------|------|------|------|--------------------------|-------|-------|-------|------|-------|-------|--------------------|------|------|------|------|------|------|
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| January | -1.7 | -6.0 | 2.6 | -1.3 | -1.3 | 1.4 | -0.2 | -15.7 | -17.9 | -8.0 | -13.4 | -9.0 | -11.7 | -11.4 | 63 | 21 | 27 | 24 | 24 | 37 | 8 |
| February | 6.1 | 2.1 | 0.4 | 3.4 | 4.6 | 2.3 | 4.1 | -4.1 | -5.0 | -13.4 | -6.1 | -7.9 | -12.8 | -5.3 | 91 | 40 | 58 | 7 | 53 | 39 | 13 |
| March | 7.0 | 9.2 | 3.6 | 8.7 | 7.0 | 5.3 | 5.2 | -6.2 | -2.6 | -17.0 | -5.6 | -4.1 | -7.9 | -9.0 | 48 | 28 | 69 | 8 | 39 | 21 | 10 |
| April | 13.3 | 10.7 | 16.5 | 13.3 | 11.5 | 9.0 | 9.7 | -1.0 | -0.7 | 4.2 | 1.2 | -7.5 | -4.6 | -2.6 | 15 | 51 | 25 | 47 | 17 | 45 | 49 |
| May | 16.5 | 17.2 | 20.2 | 14.7 | 14.8 | 15.1 | 17.9 | 3.0 | 3.5 | 10.5 | 5.2 | 0.8 | 1.6 | 3.7 | 44 | 27 | 49 | 69 | 33 | 63 | 39 |
| June | 21.1 | 22.2 | 21.3 | 23.7 | 20.5 | 22.8 | 23.1 | 7.1 | 9.6 | 7.1 | 11.4 | 6.6 | 7.8 | 8.9 | 118 | 64 | 65 | 31 | 147 | 8 | 13 |
| July | 22.3 | 22.3 | 22.9 | 21.9 | 21.8 | 25.0 | 23.9 | 9.6 | 9.1 | 7.9 | 8.3 | 9.7 | 14.1 | 7.5 | 78 | 69 | 36 | 56 | 101 | 52 | 38 |
| August | 20.8 | 23.2 | 24.1 | 23.5 | 23.2 | 21.2 | 23.8 | 7.9 | 7.7 | 11.0 | 9.2 | 10.2 | 8.3 | 13.7 | 49 | 61 | 25 | 18 | 29 | 31 | 10 |
| September | 17.6 | 16.4 | 17.6 | 17.0 | 17.9 | 16.4 | 15.8 | 3.4 | 2.0 | 2.0 | 1.1 | 6.5 | 3.1 | 3.6 | 62 | 78 | 17 | 22 | 52 | 18 | 153 |
| October | 9.7 | 10.8 | 12.7 | 12.3 | 12.3 | 9.5 | 12.2 | -0.8 | -3.4 | -1.3 | -2.4 | 2.6 | -3.4 | -1.8 | 89 | 38 | 13 | 16 | 73 | 13 | 8 |
| November | 4.6 | 5.7 | 6.9 | 9.8 | 5.2 | 5.4 | 6.8 | -5.1 | -5.1 | -10.8 | -3.6 | -5.3 | -6.1 | -1.6 | 56 | 57 | 39 | 81 | 15 | 30 | 49 |
| December | -1.8 | 2.9 | 0.7 | 6.4 | 4.5 | 1.3 | 2.6 | -9.5 | -2.6 | -12.1 | -3.2 | -6.4 | -8.7 | -7.3 | 6 | 102 | 44 | 49 | 28 | 39 | 92 |
| Sum | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 720 | 636 | 466 | 429 | 611 | 397 | 482 |