

**Appendix 1.** The daily intake of metals (DIM) and health index risk (HIR) of potato.

| DIM             | Elements |          |          |          |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                 | Cd       | Cu       | Fe       | Ni       | Mn       | Pb       | Zn       | As       | P        | N        |
| <b>Adults</b>   | 1.13E-04 | 1.28E-03 | 1.22E-02 | 3.40E-04 | 1.34E-03 | 8.16E-04 | 4.33E-04 | 1.26E-03 | 5.72E-02 | 1.46E-02 |
| <b>Children</b> | 1.45E-04 | 1.6E-03  | 1.56E-02 | 4.37E-04 | 1.73E-03 | 1.05E-03 | 5.57E-04 | 1.62E-03 | 7.34E-02 | 1.88E-02 |
| <b>HIR</b>      |          |          |          |          |          |          |          |          |          |          |
| <b>Adults</b>   | 2.25E-01 | 3.45E-03 | 4.05E-02 | 2.43E-03 | 6.72E-03 | 5.83E-02 | 1.44E-03 | 4.20E+00 | 6.31E+01 | 3.57E-01 |
| <b>Children</b> | 2.90E-01 | 4.44E-03 | 5.20E-02 | 3.12E-03 | 8.63E-03 | 7.49E-02 | 1.86E-03 | 5.40E+00 | 8.10E+01 | 4.59E-01 |

**Appendix 2.** The daily intake of metals (DIM) and health index risk (HIR) of cucumber.

| <b>DIM</b>      | <b>Elements</b> |           |           |           |           |           |           |           |          |          |
|-----------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
|                 | <b>Cd</b>       | <b>Cu</b> | <b>Fe</b> | <b>Ni</b> | <b>Mn</b> | <b>Pb</b> | <b>Zn</b> | <b>As</b> | <b>P</b> | <b>N</b> |
| <b>Adults</b>   | 1.41E-04        | 2.37E-03  | 4.37E-04  | 1.99E-04  | 8.72E-03  | 7.93E-05  | 8.48E-03  | 1.27E-03  | 6.95E-02 | 4.42E-02 |
| <b>Children</b> | 1.8E-04         | 3.04E-03  | 5.62E-04  | 2.56E-04  | 1.12E-02  | 1.02E-04  | 1.09E-02  | 1.63E-03  | 8.93E-02 | 5.68E-02 |
| <b>HIR</b>      |                 |           |           |           |           |           |           |           |          |          |
| <b>Adults</b>   | 2.81E-01        | 6.39E-03  | 1.46E-03  | 1.42E-03  | 4.36E-02  | 5.66E-03  | 2.83E-02  | 4.23E+00  | 6.34E+01 | 4.34E-01 |
| <b>Children</b> | 3.61E-01        | 8.21E-03  | 1.87E-03  | 1.83E-03  | 5.60E-02  | 7.27E-03  | 3.63E-02  | 5.43E+00  | 8.14E+01 | 5.58E-01 |

**Appendix 3.** The daily intake of metals (DIM) and health index risk (HIR) of tomato.

| DIM      | Elements |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Cd       | Cu       | Fe       | Ni       | Mn       | Pb       | Zn       | As       | P        | N        |
| Adults   | 1.25E-04 | 2.25E-03 | 8.94E-04 | 2.46E-04 | 1.16E-02 | 1.16E-05 | 5.55E-03 | 1.15E-03 | 3.43E-02 | 2.50E-02 |
| Children | 1.60E-04 | 2.90E-03 | 1.15E-03 | 3.16E-04 | 1.49E-02 | 1.49E-05 | 7.13E-03 | 1.48E-03 | 4.40E-02 | 3.22E-02 |
| HIR      |          |          |          |          |          |          |          |          |          |          |
| Adults   | 2.49E-01 | 6.09E-03 | 2.98E-03 | 1.76E-03 | 5.80E-02 | 8.27E-04 | 1.85E-02 | 3.84E+00 | 5.75E+01 | 2.14E-01 |
| Children | 3.20E-01 | 7.83E-03 | 3.83E-03 | 2.26E-03 | 7.45E-02 | 1.06E-03 | 2.28E-02 | 4.93E+00 | 7.39E+01 | 2.75E-01 |

**Appendix 4.** The daily intake of metals (DIM) and health index risk (HIR) of carrot

| DIM      | Elements |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Cd       | Cu       | Fe       | Ni       | Mn       | Pb       | Zn       | As       | P        | N        |
| Adults   | 5.37E-05 | 2.60E-05 | 1.84E-04 | 2.22E-05 | 3.18E-03 | 2.63E-06 | 1.38E-04 | 1.47E-04 | 1.21E-02 | 7.87E-03 |
| Children | 6.90E-05 | 3.34E-05 | 2.36E-04 | 2.85E-05 | 4.08E-03 | 3.38E-06 | 1.78E-04 | 1.89E-04 | 1.55E-02 | 1.01E-02 |
| HIR      |          |          |          |          |          |          |          |          |          |          |
| Adults   | 1.07E-01 | 7.02E-05 | 6.13E-04 | 1.59E-04 | 1.59E-02 | 1.88E-04 | 4.61E-04 | 4.89E-01 | 7.34E+00 | 7.56E-02 |
| Children | 1.38E-01 | 9.01E-05 | 7.87E-04 | 2.04E-04 | 2.04E-02 | 2.42E-04 | 5.92E-04 | 6.28E-01 | 9.43E+00 | 9.71E-02 |

**Appendix 5.** The daily intake of metals (DIM) and health index risk (HIR) of lettuce.

| DIM      | Elements |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Cd       | Cu       | Fe       | Ni       | Mn       | Pb       | Zn       | As       | P        | N        |
| Adults   | 2.31E-05 | 6.63E-04 | 1.08E-04 | 6.66E-05 | 2.14E-04 | 3.62E-04 | 3.42E-06 | 8.50E-04 | 3.14E-02 | 1.48E-02 |
| Children | 2.97E-05 | 8.51E-04 | 1.39E-04 | 8.55E-05 | 2.75E-04 | 4.65E-04 | 4.40E-06 | 1.09E-03 | 4.03E-02 | 1.90E-02 |
| HIR      |          |          |          |          |          |          |          |          |          |          |
| Adults   | 4.63E-02 | 1.79E-03 | 3.61E-04 | 4.75E-04 | 1.07E-03 | 2.59E-02 | 1.14E-05 | 2.83E+01 | 4.25E+01 | 1.96E-01 |
| Children | 5.95E-02 | 2.20E-03 | 4.64E-04 | 6.13E-04 | 1.37E-03 | 3.32E-02 | 1.47E-05 | 3.64E+00 | 5.46E+01 | 2.52E-01 |

**Appendix 6.** The daily intake of metals (DIM) and health index risk (HIR) of spinach.

| DIM      | Elements |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Cd       | Cu       | Fe       | Ni       | Mn       | Pb       | Zn       | As       | P        | N        |
| Adults   | 9.70E-05 | 2.28E-03 | 5.08E-04 | 1.56E-04 | 2.64E-04 | 6.27E-04 | 4.55E-04 | 1.32E-03 | 3.18E-02 | 2.83E-02 |
| Children | 1.25E-04 | 2.93E-03 | 6.52E-04 | 2.01E-04 | 3.40E-04 | 8.05E-04 | 5.85E-04 | 1.69E-03 | 4.08E-02 | 3.63E-02 |
| HIR      |          |          |          |          |          |          |          |          |          |          |
| Adults   | 1.94E-01 | 6.16E-03 | 1.69E-03 | 1.12E-03 | 1.32E-03 | 4.48E-02 | 1.52E-03 | 4.39E+00 | 6.58E+01 | 1.99E-01 |
| Children | 2.49E-01 | 7.91E-03 | 2.17E-03 | 1.43E-03 | 1.70E-03 | 5.75E-02 | 1.95E-03 | 5.64E+00 | 8.45E+01 | 2.55E-01 |