



**RIO18**  
21st World Congress  
of Soil Science

**21 WORLD CONGRESS OF SOIL SCIENCE**  
Sunday 12 – Friday 17 August 2018  
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

## DIVISIONAL SIMPOSIUM – DIVISION 4

| Monday (Aug, 13) |      | Room “Ilha Bela II”   |                           |
|------------------|------|---|---------------------------|
| <b>C4.2.1</b>    |      | <b>Soil and Human Health - I</b>  |                           |
|                  |      | <b>Convener:</b> Eric Brevik, Department of Natural Sciences, Dickinson State University Dickinson, USA                           |                           |
|                  |      | <b>Co-Convener:</b> <a href="#">Lily Pereg</a> , School of Science and Technology, University of New England, Armidale, Australia |                           |
| Schedule         | ID   | Title   | Presenter                 |
| 15:30 – 15:40    | --   | Opening   | Conveners                 |
| 15:40 – 15:55    | 478  | A New Index for the Determination of Soil Health  | Ian Pepper                |
| 15:55 – 16:10    | 2072 | Arsenic and Cadmium in Rice: Interactions Between Soil Management and Human Health  | Angelia L. Seyfferth      |
| 16:10 – 16:25    | 386  | Assessment of potential health risk due to consumption of vegetables grown near a copper smelter in central Chile                 | Alexander Neaman          |
| 16:25 – 16:40    | 377  | Bio-fortification of crops with micro- minerals for human and animal health   | Bal Ram Singh             |
| 16:40 – 16:55    | 1806 | Chromium contamination and potential health risk implications at abandoned and in-service tanning sludge storage sites            | Yongqiang Yuan            |
| 16:55 – 17:10    | 2012 | Soil biodiversity, Human health and Climate change: applying knowledge to address sustainability challenges                       | Diana H. Wall             |
| 17:10 – 17:25    | 2317 | Respiratory bioaccessibility of potentially harmful elements in Brazilian urban soils   | Alexys Giorgia Friol Boim |
| 17:25 – 17:40    | 3026 | Selenium in soils of Serbia in relation to animal and human health  | Maja Manojlović           |
| 17:40 – 17:55    | 2541 | Biofortified Lentil on poor fertility soils: An inexpensive source of Zn nutrition for developing countries                       | Muhammad Aamer Maqsood    |
| 17:55 – 18:10    | --   | Closing   | Conveners                 |



International Union of Soil Sciences



**Brazilian Soil Science Society**



**2015**  
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Year of Soils