



**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

## POSTER SESSION – DIVISION 3

| Tuesday (Aug, 14)              |      | TOTEN 36  |                                     |
|--------------------------------|------|---|-------------------------------------|
| <b>C3.3.4</b><br><b>C3.3.5</b> |      | Greenhouse gases emissions associated with fertilizer use<br>Soils for mitigating global warming: greenhouse gas emission reduction and/or enhancing carbon |                                     |
| Schedule                       | ID   | Title   | Presenter                           |
| 13:30 – 13:40                  | 3081 | Nitrous Oxide and Ammonia Emissions from N-Fertilization of Maize and Common Bean in the Brazilian Cerrado  | Maria da Conceição Santana Carvalho |
| 13:40 – 13:50                  | 2982 | Biological attributes in integrated crop-livestock-forestry (ICLF) systems in the Maranhão State Amazon, Brazil   | Joaquim Bezerra Costa               |
| 13:50 – 14:00                  | 2292 | CARBON OF HUMICS FRACTIONS IN LATOSSOLO (OXISOIL) UNDER DIFFERENT FORMS OF USE IN CERRADO   | Tales Emanuel Duarte Santos         |
| 14:00 – 14:10                  | 2638 | Chemical carbon fractioning in different land uses  | José Rafael Vásquez Polo            |
| 14:10 – 14:20                  | 579  | Contribution of microbial biomass carbon to below-ground biomass carbon budget in an agricultural field in Southern Hokkaido, Japan                         | Yuma Michinobu                      |
| 14:20 – 14:30                  | 973  | Developing an unmanned air vehicle deployed sensor platform for studying atmospheric emissions of soil carbon dioxide                                       | Marx Leandro Naves Silva            |
| 14:30 – 14:40                  | 2408 | Dynamics of methane and nitrous oxide emissions in lowland production systems.  | Miguel David Fuentes Guevara        |
| 14:40 – 14:50                  | 1820 | EFFECT OF DIFFERENT SOIL BULK DENSITY AND TEMPERATURE ON SOIL CO <sub>2</sub> EMISSION FROM TROPICAL PEATLAND   | Nur Azima Busman                    |
| 14:50 – 15:00                  | 851  | Effect of the endogenous and exogenous minerals on the stability of biochar   | Ke SUN                              |
| 15:00 – 15:10                  | 702  | Effect of tillage method and timing in grassland renovation on soil greenhouse gas emissions  | Arata Nagatake                      |



International Union of Soil Sciences



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