



XVII ICC
ISTANBUL 2022
25 -29 JULY



ICC 2022 DETAILED PROGRAM

25 July 2022, Monday

TS05 + TS24 Pedogenic clays

Convener: *Stahr, K., Kadir, S., Kapur, Schroeder, P.A., Lanson, B.*

- 13:15** **PHY-1114-Formation of iron oxyhydroxides as a result of glauconite weathering in soils of temperate climate**
Magdalena Makiel, Michał Skiba, Marta Kisiel, Katarzyna Maj-Szeliga, Artur Błachowski, Wojciech Szymański, Dorota Salata
- 13:30** **VRT-1295-New insight into biotite weathering in the subtropic Tongcheng granite regolith, Hubei province, south China**
Shi Cheng, Hanlie Hong, Kaipeng Ji, Fan Li, Xinghong Wang
- 13:45** **VRT-1300-Hydrologic regulation on clay mineral transformation in a redoximorphic soil in subtropical monsoonal China**
Lulu Zhao, Hanlie Hong, Qian Fang, Thomas Algeo
- 14:00** **VRT-1306-Decoding pedogenesis process at flow contacts of Deccan Volcanic Provinces, by clay mineral characterization**
Piyush Sriwastava, Veer Vikram Singh, Toshihiro Kogure, George Mathew, Sher Singh Meena

26 July 2022, Tuesday

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- 9:45** **PHY-1106-Oxygen isotope composition of soil clay minerals and rainwater in the Tatra Mountains, Poland**
Artur Kuligiewicz, Ilya Bindeman, Wojciech Szymański, Mariola Kowalik-Hyla1, Kazimierz Różański
- 10:00** **PHY-1382-Formation of Palygorskite in the soil - calcrete profiles of the contemporary and past Mediterranean region controlled by the Quaternary**
Selahattin Kadir, Claudio Zucca, Muhsin Eren, Erhan Akça, Amir Sandler, Salvatore Madrau, Selim Kapur
- 10:15** **PHY-1332-Investigating the effects of electron shuttle induced redox cycling on Fe-bearing clay mineral reactivity and structure**
Harry J. L. Brooksbank, Anke Neumann
- 10:30** **PHY -1162-Silicate rock weathering and transformation to clayey soil material in cold regions**
Sofia N. Lessovaia, Michael Plötze, Gennady Kopitsa, Tatiana Romanis