



XVII ICC
ISTANBUL 2022
25-29 JULY



ICC 2022 DETAILED PROGRAM

28 July 2022, Thursday

TS34 General Session

Convener: *Ece, Ö.I., Ünal-Ercan, H., Schroeder, P.*

- 14:30** **PHY -1029-How selective can be synthesis of iron bearing clay minerals?**
Amira Doggaz, Liva Dzene, Patrick Dutournié, Jocelyne Brendlé, Christelle Martin and Nicolas Michau
- 14:45** **PHY -1407-Preparation of Antimicrobial Thermoplastic Starch/Clay Films By Using Different Starch Sources**
Ayşe Tugce Cokkuvvetli, Oznur Yolacan, Ceren Alpaslan Guler, Sennur Deniz
- 15:00** **VRT-1113-Physico-Chemical Classification Of Fine-Grained Soil Using Artificial Neural Network Model**
Saranya. N, Manavaalan. G, Manikandan.V, Vijay, M
- 15:15** **VRT-1297-Hybridization of organic compound onto optically manipulated clay surface**
Takumi Harada, Masahiro Yahara, Yasutaka Suzuki, Jun Kawamata
- 15:30** **VRT-1298-Fabrication of ordered interstratification phased hybrids consisting of several photo-functional amphiphiles with different length of alkyl chains**
Mahito Shintaku, Yasutaka Suzuki, Jun Kawamata

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- 9:45** **PHY-1066-Synthesis of polymer-talc like composite in-situ**
Liva Dzene, Frédéryck Tidas, Anne-Sophie-Schuller, Jocelyne Brendle, Christelle Delaite, Séverinne Rigolet
- 10:00** **PHY-1128-Mechanism of diagenetic reorganization of weathering hematite crystals**
Marek Szczerba, Jan Środoń, Katarzyna Luberda-Durnaś, Barbara Barylska
- 10:15** **PHY-1174-Quantification of smectites in an altered basalt by VNIR-SWIR Spectroradiometry**
Mercedes Suárez, Emilia García-Romero



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- 10:30** **PHY-1178-Thermal analysis of kaolinite group minerals**
Andrea García-Vicente, Adrián Lorenzo Hernández, Juan Morales Sánchez Migallón, Emilia García-Romero and Mercedes Suárez
- 10:45** **PHY-1246-3D printability of three-component photoinitiating systems in a diacrylate resin containing Laponite® as filler**
Christian Ley, Antoine. Ishak, Boris Metral, Jocelyne Brendlé, Xavier Allonas

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- 11:15** **PHY-1287-Fluorescent dyes encapsulated in organic-inorganic hybrids having a talc-like structure as fillers for photopolymers:preparation, surface characterizations and photophysical properties**
Jocelyne Brendlé, Christian Ley, Eric Brendlé, Adrian Beda
- 11:30** **PHY-1325-Genesis of smectites associated with coal seams succession in the Neogene Orhaneli and Keles coal deposits (Bursa), NW Turkey**
Hülya Erkoyun, Selahattin Kadir, Tacit Külah
- 11:45** **PHY -1052-Colloidal Amorphous silica nanosheets and Their Twodimensional Assembly**
Eisuke Yamamoto, Kosuke Fujihara, Yue Shi, Makoto Kobayashi and Minoru Osada
- 12:00** **VRT -1055-Geochemical alteration occurring during multiple cation exchange process provoked in-situ in the case of Na-rich montmorillonite**
Chadha Mejri, Walid Oueslati, Abdsslem Ben Haj Amara
- 12:15** **PHY-1410-The effect of pyrolysis temperature on the physicochemical properties of smectite mineral from Çanakkale-Turkey**
Davut Laçın, Ayşe Zehra Aroğuz

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- 13:15** **PHY-1065-Layered silicate-polymer nanocomposite hydrogels – an investigation into polymer chemistry and layered silicate types**
Francis Clegg, Hassan Judah, Chris Sammon
- 13:30** **VRT -1164-Presenting a global quantification of clay minerals on Earth**
Laurence N. Warr
- 13:45** **VRT-1165-Nano-remediation: starch functionalized magnetite for As Sequestration**
R. Coustel, M. Rakotomalala Robinson, M. Abdelmoula, M. Mallet



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- 14:00 VRT-1199-Clay minerals of western Baltica Proterozoic as climatic indicators**
Jan Środoń, Sirle Liivamägi, Maciej J. Bojanowski, Karol Jewuła
- 14:15 PHY -1238-Fluorescence enhancement of molecules on the clay surface and its environmental responses**
Shinsuke Takagi
- 14:30 PHY-1408-The Effect of Different Clay Types on The Barrier Properties of PLA/PBAT Biocomposite Packaging Films**
Ceren Alpaslan Guler, Oznur Yolacan, Ayse Tugce Cokkuvvetli, Sennur Deniz
- 14:45 PHY - 1217-Restoration of Moroccan historical heritage with a geopolymer binder**
Anass El Khomsi, Ameni Gharzouni, Noureddine Idrissi Kandri, Abdelaziz Zerouale, Sylvie Rossignol