



**XVII ICC**  
ISTANBUL 2022  
25 -29 JULY



## ICC 2022 DETAILED PROGRAM

**25 July 2022, Monday**

### TS10 Clays and health

**Convener:** *Fiore, S., Viseras, C.*

- 11:15** **PHY-1115-Deciphering the Role of Surface Interactions in the Antibacterial Activity of Layered Double Hydroxides by Atomic Force Microscopy**  
*Jazia Awassa, Samantha Soulé, Damien Cornu, Christian Ruby, Sofiane El-Kirat-Chatel*
- 11:30** **PHY-1194-Absorption of Pyocyanin by Montmorillonite, Sepiolite and Palygorskite**  
*Bidemi Fashina, Youjun Deng*
- 11:45** **PHY-1374-Molecular Dynamics Simulation of Pyocyanin Adsorption on Montmorillonite**  
*Bidemi Fashina, Youjun Deng, Randall T. Cygan*
- 12:00** **VRT-1024-Thermodynamic and electrokinetic behaviors of montmorillonite colloid and implications in biotechnology**  
*Jia Hui Liu, Xi Xi Chen, Chun Hui Zhou*
- 12:15** **PHY-1188-Modify smectites and layered double hydroxides for zearalenone detoxification**  
*Youjun Deng, ChunChun Hsu, Jakub Matusik*

**26 July 2022, Tuesday**

### TS10 Clays and health

**Convener:** *Fiore, S., Viseras, C.*

- 11:00** **PHY -1256-Assessment of Some Clayey Products Available on Market Designed for Topical Use**  
*Carla Marina Bastos, Fernando Rocha, Cristina Sequeira, Denise Terroso*
- 11:15** **PHY -1301-Chemical Evaluation of Peloid Formation with Clay and Thermomineral Water:**  
*Ilgaz Nacakoğlu, Sıh Ali Sayın, Mukaddes Bolat, Köksal Köse*
- 11:30** **PHY-1391-Hydrotalcite-Niclosamide Nanohybrid As An Anti-Sars-Cov-2 Strategy**  
*Goeun Choi<sup>1</sup>, Huiyan Piao, N. Sanoj Rejinold<sup>1</sup> Seungjin Yu, Jin-Ho Choy*
- 11:45** **PHY-1403-Chemical Evaluation of Peloid Formation with Clay And Thermomineral Water**  
*Ilgaz Nacakoğlu, Sıh Ali Sayın, Mukaddes Bolat, Köksal Köse, Serap İçöz*
- 12:00** **PHY-1041-Exploring the modification of halloysite nanotubes to develop multifunctional systems for therapeutic applications**  
*Serena Riela*



**XVII ICC**  
ISTANBUL 2022  
25 -29 JULY



## ICC 2022 DETAILED PROGRAM

**25 July 2022, Monday**

### **AIPEA School for Young Scientists (ASYS) - Kaolin: Origin, Properties, and Industrial Applications**

**Convener:** *Fiore, S., Viseras, C.*

- 11:00**      **PHY-1414 Structure and Surface Chemistry of Kaolinite and Halloysite**  
*Cliff T. Johnston*
- 11:15**      **VRT-1415 Kaolin Genesis and Alteration Mineralogy**  
*Michael C. Cheshire and David L. Bish*
- 11:30**      **PHY-1416 Adsorption, retention, and removal of metals and organics by kaolin minerals**  
*Balwant Singh*
- 11:45**      **VRT-1417 The occurrences of the rare-earth elements in the coarse fractions of mined Georgia kaolins**  
*W. Crawford Elliott, Prakash Malla*