

## **ID-13. Materials for medicine and biomaterials**

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

### **ID-13-P-1577**

#### **Assessing fractures resistance and pattern of over-flared root canal in vitro: Applications of focus variation 3D scanning microscopy**

Presenting author: **Masudi S. M.**

*Authors: Masudi S. M., Abdo S. B., Masudi N. S.*

### **ID-13-P-1578**

#### **A confocal microscopic evaluation of resin-dentin interface using adhesive systems: in vitro study**

Presenting author: **Masudi S. M.**

*Authors: Masudi S. M., Mahmoud Z. K., Masudi N. S., Luddin N.*

### **ID-13-P-1579**

#### **Synthesis and characterization of porous biphasic calcium phosphate scaffold using different porogens: FESEM study**

Presenting author: **Masudi S. M.**

*Authors: Masudi S. M., Alkaisi A., Masudi N. S., Ahmad Z. A.*

### **ID-13-P-1580**

#### **Morphology of glass ionomer cement by incorporating hydroxyapatite-silica nano-powder composite: Sol-gel synthesis and SEM evaluation**

Presenting author: **Masudi S. M.**

*Authors: Masudi S. M., Shiekh R. A., Rahman I. A., Luddin N.*

### **ID-13-P-1759**

#### **Nanoparticles made of amphiphilic biotransesterified cyclodextrins: ultrastructure and thermal behavior**

Presenting author: **Lancelon-Pin C.**

*Authors: Putaux J. L., Lancelon-Pin C., Choisnard L., Gèze A., Levilly D., Charrat C., Rochas C., Nishiyama Y., Jean B., Wouessidjewe D.*

### **ID-13-P-2080**

#### **On the trail of strong iron enrichment in hard dental tissues**

Presenting author: **Srot V.**

*Authors: Srot V., Salzberger U., Bussmann B., Pokorny B., Jelenko I., van Aken P. A.*

### **ID-13-P-2109**

#### **STRUCTURAL TEM STUDY OF THE HYDROXYAPATITE SYNTHESIZED BY POLYMERIC PRECURSORS METHOD**

Presenting author: **Reyes-Gasga J.**

*Authors: Vargas-Becerril N., Téllez-Jurado L., Rodríguez-Lorenzo L. M., Reyes-Gasga J., Álvarez-Pérez M. A.*

### **ID-13-P-2113**

#### **Structure and Biomechanics of Phragmites Australis used for Japanese Double Reed Wind Instrument “Hichiriki”**

Presenting author: **Nose M.**

*Authors: Nobuchi T., Nakafushi Y., Nose M., Kawasaki M., Shiojiri M.*

**ID-13-P-2241**

**BIOCOMPATIBILITY OF A COMBINED SCAFFOLD WITH POLY (VINYL ALCOHOL), POLYURETHANE AND HYDROXYAPATITE**

Presenting author: **Rodrigues A. D.**

*Authors: Rodrigues A. D., Andrade S. C., Bastos G. T., Dias C. B.*

**ID-13-P-2243**

**IN VITRO AND IN VIVO BIOCOMPATIBILITY OF PHEMA-PLLA SCAFFOLDS**

Presenting author: **Rodrigues A. D.**

*Authors: Rodrigues A. D., Dias D. C., Passos M. F., Dias C. B., Bastos G. T., Maciel Filho R.*

**ID-13-P-2293**

**TEM characterization of calcium phosphate particles grown on a polymeric surface**

Presenting author: **Silva L. C.**

*Authors: Silva L. C., Bertran C. A., Gonçalves M. C.*

**ID-13-P-2294**

**Physicochemical characterization by electron microscopy of the hydroxyapatite nanoparticles obtained by co-precipitation in presence of tannic acid.**

Presenting author: **Zorrilla C.**

*Authors: Santana M M., Ramirez A., Zorrilla C., Reyes J., Herrera R.*

**ID-13-P-2298**

**Characterization of the porous coatings with incorporated silver deposited by micro-arc oxidation**

Presenting author: **Karbowniczek J.**

*Authors: Karbowniczek J., Cempura G., Muhaffel F., Cimenoglu H., Kayali S., Czyrska-Filemonowicz A.*

**ID-13-P-2493**

**Determination of AFM surface roughness parameters and topography of contemporary dental nanocomposites after artificial saliva storage**

Presenting author: **Lainović T.**

*Authors: Lainović T., Blažić L., Vilotić M., Kukuruzović D., Kakaš D.*

**ID-13-P-2921**

**Novel nanocomposites biosynthesis based on bovine-bone: Electron Microscopy Characterization**

Presenting author: **Vilchis-Nestor A. R.**

*Authors: Vilchis-Nestor A. R., López-Téllez G., Sánchez-Mendieta V., Becerril-Juárez I. G., Jose-Yacamán Y.*

**ID-13-P-3085**

**TEM study of the structural transformations of fluorapatite obtained from shark teeth.**

Presenting author: **Solla E. L.**

*Authors: Solla E. L., Balboa E., Coladas P., Rodríguez-Valencia C., López-Álvarez M., Serra J., González P.*

**ID-13-P-3281**

**Local chemistry and structure of the human tooth by a low-voltage CS-corrected TEM**

Presenting author: **Zhang Z. L.**

*Authors: Zhang Z. L., Dehm G.*

**ID-13-P-3473**

**BaFe<sub>12</sub>O<sub>19</sub> as drug delivery vehicle: A morphological and structural studio**

Presenting author: **Torres S.**

*Authors: Torres S., Bravo A., López V. S., Contreras M. E.*

**ID-13-P-3500**

**Comparative study of loss dental enamel after debonding the braces by Scanning Electron Microscopy (SEM)**

Presenting author: **Rodríguez J. A.**

*Authors: Rodríguez J. A., Monroy M., Zorrilla C., Arenas J. A.*

**ID-13-P-3508**

**Preparation, characterization and functionalization of cellulose nanoparticles from agave waste and wood pulp.**

Presenting author: **Ponce C. E.**

*Authors: Ponce C. E., Chanona J. J., Garibay V., Palacios E., Terres E., Sabo R.*

**ID-13-P-5877**

**Electron Microscopy: A helpful tool in the development of original soft materials based on organogels**

Presenting author: **Franceschi S.**

*Authors: FRANCESCHI S., PEREZ E.*

**ID-13-P-5993**

**A Novel Platform for Electrical and Optical Cell Sensing**

Presenting author: **Oyman G.**

*Authors: Oyman G., Geyik C., Ak M., Odaci Demirkol D., Timur S., Coskunol H.,*

**ID-13-P-6021**

**Microscopic study of adipose tissue-derived mesenchymal stem cell adhesion on matrix-mimetic peptides covered surfaces**

Presenting author: **Kristóf Z.**

*Authors: Kristóf Z., Tóth S., Tátrai P., Szepesi Á., Matula Z., Mező G., Uher F., Markó K., Német,*