



(1837-1907)

University of Miskolc

FACULTY OF MATERIALS SCIENCE AND ENGINEERING

Antal Kerpely Doctoral School of Materials Science & Technology

January 30, 2020.

2019/20. academic year, fall semester research seminar

Programme

**„Section of the foreign students” – Non-Metallic**

**Venue:** University of Miskolc, Geleji Room (Building B/1, 1<sup>st</sup> floor, Room 109.)

**Chairman:** Prof. Dr. Marossy Kálmán

**SESSION: CHEMICAL PROCESSES AND TECHNOLOGY– Leader: Dr. Béla Viskolcz**

- 9<sup>00</sup>-9<sup>20</sup> **Mohammed Nabeel Al-Mandalawi**  
Preparation Porous Polyurethane Coated via CNT and CB Impregnated in Silicone Nanocomposite for Pressure Sensor Application
- 9<sup>20</sup>-9<sup>40</sup> **Ibrahim Mahmoud Alomari**  
Development and Technologization of Polyurethane Systems for Automotive Applications
- 9<sup>40</sup> - 10<sup>00</sup> **Tanya Chauhan**  
Application of Modified Clays in Removal of Nutrient from Waste Water
- 10<sup>00</sup>-10<sup>20</sup> **Wafaa Cheikh**  
Data House of Polyurethane Combined Theoretical and Experimental Methods
- 10<sup>20</sup>-10<sup>40</sup> **Rachid Hadjadj**  
Water Enhanced Mechanism for CO<sub>2</sub> Methanol Conversion
- 10<sup>40</sup>-11<sup>00</sup> **Mohammed Ahmed Shehab**  
Synthesis, Characterization and Functionalization of Graphene Composite Nanostructure for Adsorptive Remediation of Waste Water Pollutants

**SESSION: POLYMER TECHNOLOGIES – Leader: Dr. Kálmán Marossy**

- 11<sup>00</sup>-11<sup>20</sup> **Sahar Ben Abdallah**  
Effects of Fillers on DC Conductivity of Plasticized PVC
- 11<sup>20</sup>-11<sup>40</sup> **Alula Gebresas Gereziher**  
Development and Characterization of Nano Clay/Natural Fiber Reinforced Thermoplastic Starch Biodegradable Polymer Composites for Packaging Application
- 11<sup>40</sup>-12<sup>00</sup> **Patcharapon Somdee**  
Polyurethane Elastomer Composites for Thermal Conductive Applications

**SESSION: CERAMICS AND SILICATE TECHNOLOGIES – Leader: Dr. László A. Gömze**

- 12<sup>00</sup>-12<sup>20</sup> **Mohamed Mostafa Mohamed Abdelfattah**  
Production of Lightweight Concrete: Modeling and Assessment of Changes in Textures and Mineral Phases
- 12<sup>20</sup>-12<sup>40</sup> **Jamal Eldin Fadoul Mohamed Ibrahim**  
Development and Investigation of Alumina Matrix Ceramic Composites Reinforced with SiAlON, Si<sub>3</sub>N<sub>4</sub> and Si<sub>2</sub>ON<sub>2</sub> Nanoparticles
- 12<sup>40</sup>-13<sup>00</sup> **Meriem Sassi**  
Foam Glass Production Based on Waste CRT-Bottle Glasses and Treated Aluminum Dross
- 13<sup>00</sup>-13<sup>20</sup> **Mohammed Tihth**  
Development and Investigation of Nanostructured Ceramic Materials Based on Pure and Doped BaTiO<sub>3</sub> with Different Elements by Sol Gel Method

RESEARCH SEMINAR