

# International Conference on Sintering

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**CONFERENCE PROGRAM  
ABSTRACT BOOK**

### **Isothermal sintering of mechanically activated MT ceramics**

The aim of this work was to analyze influence of mechanical activation on MgO-TiO<sub>2</sub> system. Mixtures of MgO-TiO<sub>2</sub> were mechanically activated for 0, 5, 10, 20, 40, 80 and 120 minutes in a planetary ball mill and after that sintered isothermally at temperatures between 1000 and 1300 °C. The phase composition and change of microstructures powders and sintered samples were investigated by X-ray analyses and SEM.