

## **Semenov Vyacheslav Sergeevich**

- Structure and properties of masonry mortars based on ceramic microspheres;
- Insulation systems for buildings and structures based on expanded polyethylene;
- Optimization of thermal stability of structural elements of high-rise buildings to increase their energy efficiency;
- Insulation systems with the expanded polyethylene application;
- Properties of dry masonry mixtures based on hollow aluminosilicate microspheres;
- The investigation of expanded polystyrene creep behavior;
- Textile tire cord fibers as secondary raw materials for the production of thermal and acoustic insulation materials;
- Environmental and economic estimation of negative impact of waterproofing works and materials on environment and ability to live of the person;
- Design and application of environmentally effective concrete with usage of chrysotile-cement waste;
- The properties of light-weight backfill mortars formed at a temperature of  $-5^{\circ}\text{C}$ ;
- Light-weight Dry Masonry Mixes with Hollow Ceramic Microspheres for Winter Conditions;
- Environmentally Safe Mortar and Grouting Solutions with Hollow Glass Microspheres;
- Properties of Light-weight Extruded Concrete with Hollow Glass Microspheres;
- Validation of a temperature parameter in the expression for the efficiency of filtering magnetophoresis;
- Properties of modified dry masonry mixtures for effective masonry units;
- Highly effective water-repellent concrete with improved physical and technical properties;
- The use of the chrysotile cement waste as the secondary aggregate for the concrete;
- Composition on the basis of fluorineanhydrite and expanded polystyrene for the thermal protection;
- Properties of the dry masonry mixtures with hollow ceramics microspheres;
- Point-location problem for indoor daylight factor computations.