

- Particle size characterization
- Particle shape characterization
- Structural properties of packings of particles
- Fundamental and rheological properties of powders
- Vibration of fine powders and its application
- Size enlargement by agglomeration
- Pneumatic conveying
- Storage and flow of particulate solids
- Fluidization phenomena and fluidized bed technology
- Spouting of particulate solids
- Mixing of powders
- Size reduction of solids and crushing/grinding equipment
- Sedimentation
- Filtration of solids from liquid streams
- Cyclones
- Electrostatic precipitator: application and concepts
- Granular bed filters
- Wet scrubber particulate collection
- Fire and explosion hazards in powder handling and processing
- Respirable dust hazards