- General physical and chemical constants
- X-ray analysis of metallic material
- Crystallography
- Crystal chemistry
- Metallurgically important minerals
- Thermochemical data
- Physical properties of molton salts
- Metallography
- Equilibrium diagrams
- Gas-metal systems
- Diffusion in metals
- General physical properties
- Elastic properties, damping capacity and shape memory alloys
- Temperature measurement and thermoelectric properties
- Radiating properties of metals
- Electron emission
- Electrical properties
- Magnetic materials and their properties
- Mechanical testing
- Mechanical properties of metals and alloys
- Sintered materials
- Lubricants
- Friction and wear
- Casting alloys and foundry data
- Engineering ceramics and refractory materials
- Fuels
- Heat treatment
- Metal cutting and forming
- Corrosion
- Electroplating and metal finishing
- Welding
- Soldering and brazing
- Vapour deposited coatings and thermal spraying
- Superplasticity
- Metal-matrix composites
- Non-conventional and emerging metallic minerals
- Modelling and simulation
- Supporting technologies for the processing of metals and alloys