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- **Processing**: Cement manufacture, mixing and rheology, admixtures and hydration. While the majority of articles will be concerned with Portland cements, we encourage articles on other cement systems, such as calcium aluminate.
- **Structural** and **Microstructural Characterisation** of the unhydrated components and of hydrated systems including: the chemistry, crystal structure, pore structure of cement and concrete, characterisation techniques, and structural and microstructural modelling.
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- **Applications** for cement and concrete, including: concrete technology, fibre reinforcement, waste management, and novel concretes.

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*List of keywords*

A. PROCESSING
- Acceleration
- Bleeding
- Calorimetry
- Curing
- Dispersion
- Drying
- Fineness
- Fresh Concrete
- Grinding
- Humidity
- Hydration
- Kinetics
- Microwave Processing
- Mixture Proportioning
- pH
- Reaction
- Retardation
- Rheology
- Temperature
- Thermal Treatment
- Vibration
- Workability

B. STRUCTURE, MICROSTRUCTURE, CHARACTERIZATION
- Amorphous Material
- Backscattered Electron Imaging
- Calcium-Silicate-Hydrate (C-S-H)
- Characterization
- Crack Detection
- Crystal Size
- Crystal Structure
- EDX
- Glass
- Hydration Products
- Image Analysis
- Interfacial Transition Zone
- Mercury Porosimetry
- Microcracking
- Microstructure
- Particle Size Distribution
- Petrography
- Pore Size Distribution
- Pore Solution
SEM
Small-Angle X-Ray Scattering
Spectroscopy
Surface Area
Surface Layer
TEM
Thermal Analysis
Thermodynamic Calculations
X-Ray Diffraction

C. PROPERTIES
Adsorption
Aging
Alkali-Aggregate Reaction
Bending Strength
Bond Strength
Carbonation
Compressive Strength
Corrosion
Creep
Cycles
Degradation
Delayed Ettringite Formation (DEF)
Diffusion
Durability
Elastic Moduli
Electrical Properties
Electrochemical Properties
Expansion
Fatigue
Finite Element Analysis
Fracture Toughness
Freezing and Thawing
Long-Term Performance
Magnetic Properties
Mechanical Properties
Micromechanics
Permeability
Physical Properties
Pull-Out Strength
Shrinkage
Stability
Strain Effect
Sulfate Attack
Tensile Properties
Transport Properties

D. COMPOSITION
Admixture
Aggregate
Alkali Activated Cement
Alkalis
BaO
Blended Cement
CdO
Ca3Al2O6
Calcium Aluminate Cement
Calcium Aluminoferrite
CaO
Ca2SiO4
Ca(OH)2  
Ca3SiO5  
3CaO?3Al2O3?CaSO4  
CaCO3  
Cement  
Cement Paste  
Chemically Bonded Ceramics  
Chloride  
Chromium  
Clinker  
Cobalt  
Ettringite  
Filler  
Fly Ash  
Fluoride  
Fluxes  
Granulated Blast-Furnace Slag  
Heavy Metals  
High-Range Water Reducers  
Hydrogarnet  
Lead  
Lithium Compounds  
Metakaolin  
MgO  
Mineralizers  
Monosulfate  
Nitrate  
Organic Acids  
Organic Materials  
Polymers  
Portland Cement  
KOH  
Pozzolan  
Reinforcement  
Silica Fume  
Sulfate  
Sulfate Resistant Cements  
Sulfoaluminate  
Toxic Metal  
Zinc  

E. APPLICATIONS, SPECIAL TREATMENT  
Cement Manufacture  
Composite  
Concrete  
Fiber Reinforcement  
High-Performance Concrete  
Modeling  
Mortar  
Oil Well Cement  
Precast Units  
Radioactive Waste  
Refractory Cement  
Waste Management