

## List of abbreviations

LMOG	Low molecular mass organic gelator
HBN	Hydrogen bonded networks
SAFINs	Self-assembled fibrillar networks
MOFs	Metal-organic frameworks
1-D	One-dimensional network
2-D	Two-dimensional network
3-D	Three-dimensional network
MGC	Minimum gelator concentration(in weight%,gm/100mL)
T <sub>gel</sub>	Gel-to-sol dissociation temperature(°c)
CSD	Cambridge structural database
DSC	Differential scanning calorimetry
SEM	Scanning Electron Microscopy
TEM	Tunneling electron microscopy
TGA	Thermo gravimetric analysis
NMR	Nuclear magnetic resonance spectroscopy
PXRD	Powder X-ray Diffraction spectroscopy
AAS	Atomic absorption Spectroscopy