ABBREVIATIONS

The abbreviations used in this thesis are listed below:

AFM	Atomic Force Microscopy
AuNPs	Gold Nanoparticles
AuNRs	Gold Nanorods
AgNPs	Silver Nanoparticles
CdS	Cadmium Sulfide
CF	6-Carboxyfluorescein
CT	Charge-transfer
CV	Crystal Violet
d	Doublet
DCM	Dichloromethane
DLS	Dynamic Light Scattering
DMF	Dimethylformamide
DMSO	Dimethyl sulphoxide
DSC	Differential Scanning Calorimetry
EA	Ethyl Acetate
EDX	Energy Dispersive X-ray
EM	Electron Microscopy
EI	Electron Ionization
FESEM	Field emission Scanning Electron Microscope
FTIR	Fourier Transform Infra-Red
GCMS	Gas Chromatography Mass Spectroscopy
HRMS	High resolution mass spectroscopy

HRTEM	High resolution Transmission Electron Microscope
h	Hour
J	Coupling constant
LMOG	Low Molecular Weight Gelator
LMWG	Low Molecular Weight Organo Gelator
m	Multiplet
MB	Methylene Blue
MHz	Megahertz
MS	Mass Spectrometry
mM	Mili molar
Me	Methyl
MeOH	Methanol
NMR	Nuclear Magnetic Resonance
OPM	Optical Microscope
POM	Polarizing Optical Microscope
pH	The negative logarithm of hydrogen ion activity ($-\log_{10}[H^+]$)
Rho B	Rhodamine B
RT	Room temperature
s	Singlet
SAED	Selected Area Electron Diffraction
SEM	Scanning Electron Microscope
SPR	Surface Plasmon Resonance
TEM	Transmission Electron Microscope
THF	Tetrahydrofuran
TLC	Thin Layer Chromatography

Tgel	Gel to sol transition temperature
UV	Ultraviolet
VIS	Visible
XRD	X-ray diffraction
WAXS	Wide Angle X-ray scattering
1D	One Dimensional
2D	Two Dimensional
3D	Three Dimensional