

ABBREVIATIONS

AAS	Atomic absorption spectroscopy
AFM	Atomic Force Microscopy
BET	Brunauer–Emmett–Teller
Boc	tert-butoxycarbonyl
β -CD	β -Cyclodextrin
CA	Citric Acid
CAF ₂	Calcium Fluoride
CALB	<i>Candida Antarctica</i> Lipase B
CALB@NM	<i>Candida Antarctica</i> Lipase B loaded nanomicelles
CDCA	Citrate crosslinked cyclodextrin polymer
CDLA	Lactate crosslinked cyclodextrin polymer
COF	Covalent Organic Frameworks
COSY	Correlation Spectroscopy
CP-MAS ¹³ CNMR	Cross Polarization Magic Angle Spinning Carbon-13 Nuclear Magnetic Resonance
CuNPs	Copper nanoparticles
CuNPs@vesicles	Copper nanoparticles loaded vesicles
Da	Dalton
DABCO	1,4-diazabicyclo[2.2. 2]octane
DCC	N, N'-Dicyclohexylcarbodiimide
DCU	1, 3-dicyclohexylurea

DLS	Dynamic light scattering
DMAP	4-Dimethylaminopyridine
DMPA	Dimethylolpropionic acid
DMSO	Dimethylsulphoxide
DMF	Dimethyl formamide
EDAX	Energy Dispersive X-ray spectroscopy
EDC.HCl	1-Ethyl-3-(-3-dimethylaminopropyl) carbodiimide hydrochloride
FEG-SEM	Field Emission Gun Scanning Electron Microscope
FTIR	Fourier Transform Infrared Spectroscopy
HMDI	Hexamethylene diisocyanate
HRTEM	High resolution transmission electron microscopy
HSQC	Heteroatom Single Quantum Correlation
ICP	Inductively Coupled Plasma
LA	Lactic acid
μL	Microliter
min	Minute
mL	Milliliter
mg	Milligram
MNPs	Magnetic Nanoparticles
MWCO	Molecular Weight Cut Off
NaBH ₄	Sodium Borohydride

2-NA	2-Nitroaniline
3-NA	3-Nitroaniline
4-NA	4-Nitroaniline
NOESY	Nuclear Overhauser Effect Spectroscopy
NP	Nanoparticles
nZVI	Zero valent iron nanoparticles
nZVI-CALB@NM	Zerovalent iron nanoparticles and <i>Candida Antarctica</i> Lipase B coloaded nanomicelles
4-NP	4-Nitrophenol
2-NP	2-Nitrophenol
NHS	N-Hydroxysuccinimide
NMR	Nuclear magnetic resonance
PBS	Phosphate Buffered Saline
PdNPs	Palladium nanoparticles
PdNPs@UCOF-SH	Thiol functionalized urethane linked covalent organic framework loaded palladium nanoparticles
mPEG	Methyl terminated Polyethylene glycol
PXRD	Powder X-Ray Diffraction
TGA	Thermogravimetric Analysis
THF	Tetrahydrofuran
UCOF	Urethane linked Covalent organic Frameworks
UCOF-SH	Thiol functionalized covalent organic frameworks
UV	Ultraviolet

XPS	X-Ray Photoelectron Spectroscopy
vis	Visible
VSM	Vibrating Sample Magnetometer
Wt %	Weight percent

ABBREVIATIONS
