

LIST OF ABBREVIATIONS

FT-IR	:	Fourier transform infrared
UV-Vis	:	UV Visible
XPS	:	X-ray photoelectron spectroscopy
FESEM	:	Field emission scanning electron microscopy
SAED	:	Selected area electron diffraction pattern
TEM	:	Transmission electron microscopy
AuNPs@MoS ₂ -QDs	:	Gold nanoparticles decorated over MoS ₂ quantum dots
AuNPs	:	Gold nanoparticles
MoS ₂ -QDs	:	MoS ₂ quantum dots
TMB	:	3, 3', 5,5' -tetramethylbenzidine
HRP	:	horseradish peroxidase
GOx	:	Glucose oxidase
SD	:	Standard deviation
CV	:	Cyclic voltammetry
H ₂ O ₂	:	hydrogen peroxide
DPV	:	Differential pulse voltammetry
EDAX	:	Energy dispersive X-ray spectroscopy
LOD	:	Limit of detection
S/N	:	Signal to noise ratio
R ²	:	Regression coefficient value
PBS	:	Phosphate buffer solution
h	:	Hour(s)
GCE	:	Glassy carbon electrode
ELISA	:	Enzyme-linked immunosorbent assay
Min	:	Minute(s)

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EDS	:	Energy dispersive X-ray spectroscopy
AuNps@WS ₂ -QDs	:	Gold nanoparticles decorated over WS ₂ quantum dots
Ag NPs	:	Silver nanoparticles
WS ₂ -QDs	:	WS ₂ quantum dots
AHMT	:	4-amino-3-hydrazino-5-mercapto-1,2,4-triazole
Ag@AHMT	:	AHMT capped silver nanoparticles
PA	:	Picric acid
ζ	:	Zeta potential
HPLC	:	High performance liquid chromatography.
°C	:	Degree Celsius
FCC	:	Face-centered cubic
MoS ₂ QDs	:	Molybdenum disulphide quantum dots
NPCP	:	Nanoporous coordination polymer
TMDs	:	Transition metal dichalcogenides
MOFs	:	Metal-organic frameworks
DI	:	Deionised water
Da	:	Dalton
v	:	Scan rate
NPs	:	Nanoparticles
V	:	Volt
C	:	Concentration
R	:	Gas constant
T	:	Temperature
eV	:	Electron volt
K	:	Kelvin

LIST OF ABBREVIATIONS

A	:	Effective surface area
F	:	Faraday constant
atm	:	Atmosphere
nm	:	nanometer
sec	:	Second
μ A	:	Microampere
μ L	:	Microleter
nM	:	nanomolar
Aq.	:	aqueous
TGA	:	Thermal–gravimetric analysis
μ g	:	Microgram
6-MP	:	6-mercaptopurine
CPE	:	Carbon paste electrode
NCCPs	:	Nanocrystalline coordination polymers
DFT	:	Density functional theory
ChOx	:	Choline oxidase