

## LIST OF ABBREVIATIONS

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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
TEM	:	Transmission electron microscopy
Ch	:	Chitosan
Ch@Ag NPs	:	Chitosan stabilized silver nanoparticles
AZT	:	Azidothymidine
ARV	:	Antiretroviral
GCE	:	Glassy carbon electrode
GC	:	Glassy carbon
RSD	:	Relative standard deviation
FESEM	:	Field emission scanning electron microscopy
CV	:	Cyclic voltammetry
Pd NPs	:	Palladium nanoparticles
DPV	:	Differential pulse voltammetry
EDAX	:	Energy dispersive X-ray spectroscopy
LOD	:	Limit of detection
S/N	:	Signal to noise ratio
R <sup>2</sup>	:	Regression coefficient value
PBS	:	Phosphate buffer solution
h	:	Hour (s)
NRTI	:	Nucleoside reverse transcriptase inhibitor
AIDS	:	Acquired immunodeficiency syndrome

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Min	:	Minute(s)
HIV-1	:	Human immunodeficiency virus-1
SPGE	:	Screen printed graphite electrode
Ag NPs	:	Silver nanoparticles
HMDE	:	Hanging mercury drop electrode
Pd@TTF	:	TTF stabilized palladium nanoparticles
CFZ	:	Ceftazidime
NMN	:	Noble metal nanostructures
$\zeta$	:	Zeta potential
HPLC	:	High performance liquid chromatography.
°C	:	Degree Celsius
NVP	:	Nevirapine
MoS <sub>2</sub> QDs	:	Molybdenum disulphide quantum dots
Pd@rGO	:	Palladium nanoparticles in reduced Graphene oxide matrices'
TMDs	:	Transition metal dichalcogenides
NNRTI	:	Non-nucleoside reverse transcriptase inhibitor
DI	:	Deionised water
Da	:	Dalton
$\nu$	:	Scan rate
NPs	:	Nanoparticles
V	:	Volt
C	:	Concentration
R	:	Gas constant
T	:	Temperature
eV	:	Electron volt

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K	:	Kelvin
A	:	Effective surface area
F	:	Faraday constant
atm	:	Atmosphere
nm	:	nanometer
sec	:	Second
$\mu\text{A}$	:	Microampere
Aq.	:	aqueous