

## List of Abbreviations

Abbreviation	Full form
A.U.	Arbitrary Units
AD	Alzheimer's Disease
AFM	Atomic Force Microscopy
Ala (A)	Alanine
ALS	Amyotrophic Lateral Sclerosis
Arg (R)	Arginine
Asn (N)	Asparagine
Asp (D)	Aspartic acid
BLAST-p	Basic Local Alignment Search Tool - protein
BSA	Bovine Serum Albumin
Cap	Capsaicin
CD	Circular Dichroism
CLAC	Collagenous Alzheimer Amyloid Plaque Component
Col	Collagen
Cys (C)	Cysteine
DLS	Dynamic Light Scattering
DRS	Diffuse Reflectance Spectroscopy
DS4	Discovery studio 4.0
ECM	Extra Cellular Matrix
FTIR	Fourier Transform Infrared Spectroscopy
Gln (Q)	Glutamine
Glu (E)	Glutamic Acid
Gly (G)	Glycine
GnHCl	Guanidine Hydrochloride
HD	Huntington's Disease
His (H)	Histidine
Ile (I)	Isoleucine
Ins	Insulin
Leu (L)	Leucine
Lys (K)	Lysine
MCT	Mercury Cadmium Telluride
Met (M)	Methionine
NC-AFM	Non-contact Atomic Force Microscopy
NPs	Nanoparticles
NTP	Normal Temperature and Pressure
PBS	Phosphate Buffer Saline
PC12	Pheochromocytoma of Rat Adrenal Medula
PDB	Protein Data Bank
Phe (F)	Phenylalanine
PolyQ	Polyglutamine
Pro (P)	Proline
RMSD	Root Mean Square Deviation
RTT	Rat Tail Tendons
Ser (S)	Serine
SPR	Surface Plasmon Resonance
TEM	Transmission Electron Microscopy
Thr (T)	Threonine
Th-T	Thioflavin T
Trp (W)	Tryptophan
Tyr (Y)	Tyrosine
UV	Ultra Violet
Val (V)	Valine
ZINC	Chemical Database

