

## List of Abbreviations

<b>Abbreviation</b>	<b>Full form</b>
AChE	Acetylcholinesterase
ADMET	Absorption Distribution Metabolism Excretion and Toxicity
AFM	Atomic Force Microscopy
BA	N-Benzoyl-L-Arginine
BBFO	Broadband fluorine observe
BAEE	Benzoyl-L-Arginine Ethyl Ester
BSA	Bovine serum albumin
CD	Circular Dichroism
CPF	Chlorpyrifos
CYP-450	Cytochrome P450
D <sub>2</sub> O	Deuterium Oxide
DMSO-d <sub>6</sub>	Dimethylsulphoxie-d <sub>6</sub>
DSC	Differential Scanning Calorimetry
d	doublet
dd	doublet of doublet
dt	doublet of triplet
DMSO	Dimethyl Sulfoxide
DPFGE	Double Pulsed-Field-Gradient Echo
DS4	Discovery studio 4.0
DSC	Differential Scanning Calorimetry
DZN	Diazinon
FID	Free Induction Decay
GEM	Group Epitope Mapping
GSTs	Glutathione S-transferases
HSA	Human Serum albumin
IBU	Ibuprofen
IMP	2-Isopropyl-6- Methyl-Pyrimidin-4-ol
ITC	Isothermal Titration Calorimetry
MD	Molecular docking
MT	Magnetization Transfer
MW	Molecular Weight
NMR	Nuclear magnetic resonance
4-NP	4-Nitrophenol
NP	<i>P</i> -Nitrophenol
NOE	Nuclear Overhauser Enhancement
NOESY	Nuclear Overhauser Effect Spectroscopy
OP	Organophosphate Pesticides
PA	Parathion
Phe	Phenylalanine
PB	Phosphate Buffer
PDB	Protein Data Bank
PC	Paracetamol
RBC	Red Blood Cells
PM	Paraoxon Methyl
ppm	Parts per million
RF	Radio frequency
SPR	Surface Plasmon Resonance
TCPy	3,5,6-Trichloro-2- Pyridinol
Trp	Tryptophan

S/N	Signal-to-noise ratio
STD	Saturation Transfer Difference
SW	Spectral width
Tyr	Tyrosine
UV-vis	Ultraviolet-visible spectroscopy
WAR	Warfarin
WB	Wide Bore
1D	One-dimensional
2D	Two-dimensional
5-FU	5-Fluorouracil