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ABBREVIATIONS

Abbreviation	Full form
1D	One dimensional
2D	Two dimensional
3D	Three dimensional
3FTx	Three-finger toxins
ACE	Angiotensin converting enzyme
ACE	Atomic contact energy
ACN	Acetonitrile
ADP	Adenosine diphosphate
AERD	Aspirin-exacerbated respiratory disease
AIDS	Acquired Immune Deficiency Syndrome
AMP	Adenosine monophosphate
ANP	A-type natriuretic peptide
AO	Acridine Orange
AP	Andhra Pradesh
APTT	Activated partial thromboplastin time
Arg	Arginine
Asn	Asparagine
Asp	Aspartate
ATCC	American Type Cell Culture
AT-III	Anti-thrombin III
AV	Antivenom
BLAST	Basic local alignment search tool
BNP	B-type natriuretic peptide
BPP	Bradykinin potentiating peptides
BR	Bihar
BSA	Bovine serum albumin
BSVL	Bharat Serum and Vaccines Ltd.
CD	Circular dichroism
CG	Chhattisgarh
CID	Collision-induced dissociation
CK	Creatine kinase
CNP	C-type natriuretic peptide
CPK	Creatine phosphokinase
$cPLA_2$	Calcium dependent phospholipase A_2
CRISP	Cysteine-rich secretory protein
CTx	Cytotoxin
CV	Column volumes
CVD	Cardiovascular disease
CVF	Cobra venom factor
DAPI	4′,6-diamidino-2-phenylindole
DDA	Data-dependent acquisition

Abbreviation	Full form
DMEM	Dulbecco's Modified Eagle's Medium
DMSO	Dimethyl sulfoxide
DNP	*Dendroaspis* natriuretic peptide
DTT	Dithiothreitol
EAT	Ehrlich Ascites Tumor
EB	Ethidium bromide
EC	Enzyme commission
EC50	Half minimal effective concentration
ECD	Glutamate-Cysteine-Aspartate
EDTA	Ethylenediaminetetraacetic acid
EI	Eastern India
ELISA	Enzyme-linked immunosorbent assay
E-P	Enzyme-product complex
E-S	Enzyme-substrate complex
ESI	Electrospray ionization
FA	Fatty acid
FBS	Fetal bovine serum
FCA	Freund's complete adjuvant
FDR	False discovery rate
FFA	Free fatty acid
FIA	Freund's incomplete adjuvant
FITC	Fluorescein isothiocyanate
FIX	Factor IX
FIXa	Activated factor IXa
Fmoc	Fluorenylmethyloxycarbonyl
FPLC	Fast Protein Liquid Chromatography
FT	Fourier transform
FX	Factor X
FXa	Activated Factor Xa
FXI	Factor XI
FXIa	Activated factor XI
FXII	Factor XII
FXIIa	Activated factor XII
GBD	Global burden of disease
GE	Global energy
GJ	Gujarat
Gln	Glutamine
Glu	Glutamate
Gly	Glycine
Hb	Hemoglobin
HCt	Hematocrit
HDL	High density lipids
HEPES	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid

Abbreviation	Full form
His	Histidine
HIT	Heparin-induced thrombocytopenia
HIV	Human immunodeficiency virus
HMWK	High-molecular-weight kininogen
HRP	Horseradish peroxidase
i.v.	Intravenous
IAA	Iodoacetamide
IC_{50}	Half maximal inhibitory concentration
IgG	Immunoglobulin G
Ile	Isoleucine
INR	International normalized ratio
$iPLA_2$	Calcium-independent Phospholipase A_2
JH	Jharkhand
KA	Karnataka
kDa	Kilodalton
KDR	Kinase insert domain receptor
KGD	Lysine-Glycine-Aspartate
KSPI	Kunitz-type serine protease inhibitor
KTS	Lysine-Threonine-Serine
KTX	Kaouthiotoxin
kV	Kilo volt
L6CP	L6 cytosolic protein
L6MP	L6 membrane protein
LC-MS/MS	Liquid chromatography-tandem mass spectrometry
LD_{50}	Median lethal dose
LDH	Lactate dehydronase
LDL	Low density lipids
Leu	Leucine
LMWH	Low molecular weight heparin
LNTx	Long chain neurotoxin
Log	Logarithm
Lys	Lysine
m/z	Mass to charge
MALDI-ToF-MS	Matrix-assisted laser desorption/ionization -Time of flight - mass spectrometry
MAV	Monovalent antivenom
MCF	Michigan Cancer Foundation
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin concentration
MCV	Mean corpuscular volume
MDG	Methionine-Aspartate-Glycine
MH	Maharashtra
MLD	Methionine-Leucine-Aspartate

Abbreviation	Full form
MOPS	3-(N-morpholino)propanesulfonic acid
MP	Madhya Pradesh
MPV	Mean platelet volume
MTCC	Microbial Type Cell Culture
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
MVD	Methionine-Valine-Aspartate
MW	Molecular weight
NCBI	National Center for Biotechnology Information
ND	Not detected
NGF	Nerve growth factor
NHS	N-hydroxysuccinimide
NIH	National Institutes of Health
NnV	*Naja naja* venom
NP	Natriuretic peptide
OECD/OCDE	Organisation for Economic Co-operation and Development/Organisation de coopération et de dévelopment économiques
OR	Orissa
PAF-AH	Platelet-activating factor acetylhydrolase
PAR1	Protease activated receptor 1
PAV	Polyvalent antivenom
p-BPB	*p*-Bromophenacyl bromide
PBS	Phosphate buffered saline
PBS-T	Phosphate buffered saline containing Tween-20
PC	Phosphatidylcholine
PCt	Platelet crit
PDB	Protein Data Bank
PDW	Platelet distribution width
PE	Phosphatidylethanolamine
PEG	Polyethylene glycol
Phe	Phenylalanine
PI	Propidium iodide
PLA_2	Phospholipase A_2
PLA_2R	Phospholipase A_2 receptor
PLB	Phospholipase B
p-NA	*p*-Nitroaniline
PPP	Platelet poor plasma
PRP	Platelet rich plasma
PS	Phosphatidylserine
PSVPL	Premium Serum and Vaccines Pvt. Ltd.
PT	Prothrombin time
PTH	Prothrombin
PTM	Post translational modification

Abbreviation	Full form
PVDF	Polyvinylidene difluoride
RA	Relative abundance
RBC	Red blood corpuscles
RCSB	Research Collaboratory for Structural Bioinformatics
RDW	Red blood cell distribution width
R_{eq}	Response at equilibrium
RGD	Arginine-Glycine-Aspartate
RJ	Rajasthan
RP-HPLC	Reversed-phase high-performance liquid chromatography
rpm	Revolutions per minute
RU	Response Unit
SD	Standard deviation
SDS-PAGE	Sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SEC	Size-exclusion chromatography
Ser	Serine protease inhibitor
SGOT	Serum glutamic oxaloacetic transaminase
SGPT	Serum glutamic pyruvic transaminase
SPI	Serine protease inhibitor
$sPLA_2$	Secretory phospholipase A_2
SPPS	Solid phase peptide synthesis
SPR	Surface plasmon resonance
SVMP	Snake venom metalloprotease
SVSP	Snake venom serine protease
SVTLE	Snake venom thrombin-like enzymes
TBS	Tris buffered saline
TBS-T	Tris buffered saline containing Tween-20
TEMED	Tetramethylethylenediamine
TF	Tissue factor
TFA	Trifluoroacetic acid
THR	Thrombin
TMB	3,3,5,5’-tetramethylbenzidine
TMB/H_2O_2	3,3,5,5’-tetramethylbenzidine/hydrogen peroxide
TN	Tamil Nadu
t-PA	Tissue plasminogen activator
Trp	Tryptophan
TT	Thrombin time
TXA2	Thromboxane A2
Tyr	Tyrosine
UFH	Unfractionated heparin
UHPLC	Ultra high-performance liquid chromatography
UP	Uttar Pradesh
UV	Ultra violet
Ve	Elution volume

Abbreviation	Full form
VEGF	Vascular endothelial growth factor
VGD	Valine-Glycine-Aspartate
VINS	Vins Bioproducts Limited
Vo	Void volume
WB	West Bengal
WBC	White blood corpuscles
WBCT	Whole blood clotting time
WHO	World Health Organization
WP	Washed platelets
z	Charge