

ABBREVIATIONS

AChE	Acetylcholinesterase
ACTH	Adreno corticotropic hormone
AD	Alzheimer's disease
AGE	Advanced Glycation End
ANOVA	Analysis of variance
APP	Amyloid precursor protein
ATCI	Acetylthiocholine iodide
ATP	Adenosine triphosphate
BR	Basic Research
BSA	Bovine serum albumin
CAR	Conditioned avoidance response
CAS	Catalytic anionic site
ChE	Cholinesterase
CMC	Carboxy methyl cellulose
CNS	Central nervous system
COMT	Catechol-O-methyl-transferase
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals (India)
CSF	Cerebrospinal fluid
DA	Dopamine
DAB	Diaminobenzidine
DLB	Dementia with Lewy bodies
DMEM	Dulbecco's Modified Eagle Medium
DMSO	Dimethyl sulphoxide
DNS	Dinapsoline
DOPAC	3,4-Dihydroxyphenylacetic acid
DRC	Dose response curve
DRN	Dorsal raphe nucleus
DTNB	5,5'-Dithiobis-(2-nitrobenzoic acid)
EDTA	Ethylene diamine tetra acetic acid
EPM	Elevated plus maze
FDA	Food and Drug Administration
GABA	Gamma amino butyric acid

GPCR	G-protein coupled receptor
GSH	Glutathione stimulating hormone
GTP	Guanosine triphosphate
H2DCF-DA	2', 7'-Dichlorodihydrofluorescein diacetate
HBSS	Hank's balanced salt solution
HPLC	High performance liquid chromatography
HVA	Homovanillic acid
ICC	Immuno cytochemistry
IHC	Immunohistochemistry
LPO	Lipid hydroperoxide
MAO	Monoamine oxidase
MAP	Mitogen activated proteins
MDA	Melondialdehyde
MDD	Major depressive disorder
MPTP	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine
MTT	3-(4, 5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
NAS	Nucleus accumbens septi
NGF	Nerve Growth Factor
NGS	Normal goat serum
NMDA	<i>N</i> -Methyl- <i>D</i> -aspartate
NY	New York
OS	Oxidative stress
PAS	Peripheral anionic site
PBS	Phosphate buffer saline
PBST	Phosphate buffer saline tween
PD	Parkinson's disease
PDB	Protein Data Bank
POMC	Pro-opiomelanocortin
PTI	Proton Technology International
ROA	Route of administration
ROS	Reactive oxygen species
SN	Substantia nigra
SNpc	Substantia nigra pars compacta
SOD	Superoxide dismutase

SSRI	Selective serotonin reuptake inhibitor
TBA	Thiobarbituric acid
TBST	Tris buffered saline with tween
TCA	Trichloroacetic acid
TH	Tyrosine hydroxylase
ThT	Thioflavin T
TST	Tail suspension test
UPS	Ubiquitin-proteasome system
VTA	Ventral tegmental area