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## LIST OF ABBREVIATIONS

AchE: acetylcholinesterase	IL: interleukin
AD: Alzheimer's disease	MAPK: mitogen-activated protein kinase signaling
Akt: protein kinase B	MDA: malondialdehyde
A $\beta$ : beta-amyloid protein	MWM task: Morris water maze task
APP: amyloid precursor protein	NF- $\kappa$ B: nuclear factor- $\kappa$ B
BACE: $\beta$ -secretase or beta-site amyloid precursor protein cleaving enzyme	NFT: neurofibrillary tangles
Bax: Bcl-2-associated X protein	NLRP3: NLR family pyrin domain containing 3
Bcl-2: B-cell leukemia protein	NO: nitric oxide
BDNF: brain-derived neurotrophic factor	p-ERK1/2: extracellular signal-regulated kinase 1 and 2
CAT: catalase	PI3K: phosphoinositide 3-kinase
CREB: cAMP response element-binding protein	RNS: reactive nitrogen species
DA: dopamine	ROS: reactive oxygen species
GABA: gamma aminobutyric acid	SOD: superoxide dismutase
GSH-Px: glutathione peroxidase	TAU: microtubule-associated protein
GSK3 $\beta$ : glycogen synthase kinase	TNF- $\alpha$ : tumor necrosis factor- $\alpha$