

ABBREVIATIONS

6-OHDA – 6-hydroxydopamine	MNDs – Mental and neurological disorders
AD – Alzheimer’s Disease	MPP ⁺ – 1-methyl-4-phenylpyridinium
ATG – Autophagy related gene	MPTP – 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine
ATP – Adenosine triphosphate	mtDNA – Mitochondrial DNA
BBB – Blood brain barrier	mTOR – Mammalian target of rapamycin
CD – Cluster of differentiation	MTT - (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)
CM – conditioned media	MVB – Multi-vesicular body
CMA – Chaperone-mediated autophagy	NADH/NAD – Nicotinamide adenine dinucleotide
CNS – Central nervous system	NGS – Next generation sequencing
CSF – Cerebrospinal fluid	NTA – Nanoparticle tracking analysis
DA – Dopamine	OXPHOS – oxidative phosphorylation
ELISA – Enzyme-linked Immunosorbent assay	PBS – Phosphate buffered saline
ER – endoplasmic reticulum	PCR – Polymerase chain reaction
ESCRT – Endosomal sorting complexes required for transport	PD – Parkinson’s Disease
EVs – Extracellular vesicles	PINK1 – PTEN-induced putative kinase
FBS – Fetal bovine serum	PTEN – phosphatase and tensin homolog
GO – Gene ontology	RBP – RNA-binding protein
GTP – Guanidine triphosphate	RNA – Ribonucleic acid
H2DCFDA – 2',7'-dichlorodihydrofluorescein diacetate	ROS – Reactive oxygen species
ILV – Intra luminal vesicle	SNpc – Substantia nigra pars compacta
iPSC – Induced pluripotent stem cells	TFEB – Transcription factor EB
LB – Lewy body	TH – Tyrosine hydroxylase
LC3 – Light chain-3	TMRM – Tetramethylrhodamine
MAMs – mitochondria-associated membranes	UPS – Ubiquitin-proteasome system
miRNA – microRNA	α -syn – alpha synuclein