ABBREVIATIONS:

AD: Autosomal dominant

Ala: Alanine

ALPs: Autophagy-lysosomal pathways

AR: Autosomal recessive

ATG: Autophagy related gene

ATF6: Activating transcription factor 6

ATP: Adenosine triphosphate

CHOP: CCAAT-enhancer-binding protein homologous protein

CMA: Chaperone-mediated autophagy

CNS: Central nervous system

CSF: Cerebrospinal fluid

Drp-I: Dynamin related protein 1

ER: Endoplasmic reticulum

GWAS: Genome-wide association studies

Hz: Hertz

IFN-γ: Interferon- γ

IKK: IκB kinase

iNOS: Inducible nitric oxide synthase

IL-1β: Interleukin-1β

IL-6: Interleukin-6

LB: Lewy body

LPS: Lipopolysaccharides

MAP1LC3B: Microtubule-associated proteins 1A/1B light chain 3B

MFF: Mitochondrial fission factor

Mfn1: Mitofusin-1

MMP-3: Metalloproteinase-3

MPTP: 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine

MVB: Multi Vascular bodies

NAC: N-acetyl-l-cysteine

NLRP3: NLR Family Pyrin Domain Containing 3

NF-kB: Nuclear Factor-KappaB

PCBs: Polychlorinated biphenyls

PD: Parkinson's disease

Pro: Proline

ROS: reactive oxygen species

Rt: Rotenone

SN: Substantia nigra

TFEB: Transcription factor EB

Thr: Threonine

TLR2: Toll-like receptor 2

TNF-α: Tumor necrosis factor-α

UPR: Unfolded protein response

UPS: Ubiquitin proteasomal System

USA: United States of America

VDAC1: Voltage-dependent anion channel 1

XBP1: X-box binding protein 1

z-VAD-fmk: Carbobenzoxy-valyl-alanyl-aspartyl-[O-methyl]- fluoromethylk

6-OHDA: 6-hydroxydopamine