

## ABBREVIATIONS

ET	Electron transfer
$\Delta^\ddagger H$	Enthalpy of activation
$\Delta^\ddagger S$	Entropy of activation
CV	Cyclic voltammetry
DFT	Density functional theory
DMSO	Dimethylsulfoxide
ESI-MS	Electrospray ionization mass spectrometry
ESR	Electron paramagnetic resonance spectroscopy
FT-IR	Fourier Transform-Infrared Spectroscopy
GC-MS	Gas Chromatography-Mass spectrometry
HPLC	High Performance Liquid Chromatography
Im	Imidazole
LC-MS	Liquid Chromatography-Mass spectrometry
LMCT	Ligand-Metal Charge Transfer
LO	Ligand oxide
MeIm	Methylimidazole
OD	Optical density
PDA	Pyridine-2,6-dicarboxylic acid
PhIO	Iodosobenzene
PicNO	Picoline N-oxide
PPNO	<i>p</i> -Phenylpyridine N-oxide
PSAA	Phenylsulfinylacetic acid
PTAA	Phenylthioacetic acids

Py	Pyridine
PyO	Pyridine N-oxide
PyO	Pyridine N-oxide
r	Regression coefficient
RSP	Reactivity-Selectivity Principle
Salen	<i>N,N'</i> -bis(salicylidene)ethylenediamine.
SET	Single-electron transfer
TDGA	Thiodiglycollic acid
TPPO	triphenylphosphine oxide
UV-vis	Ultraviolet-visible
$\rho$	Reaction constant