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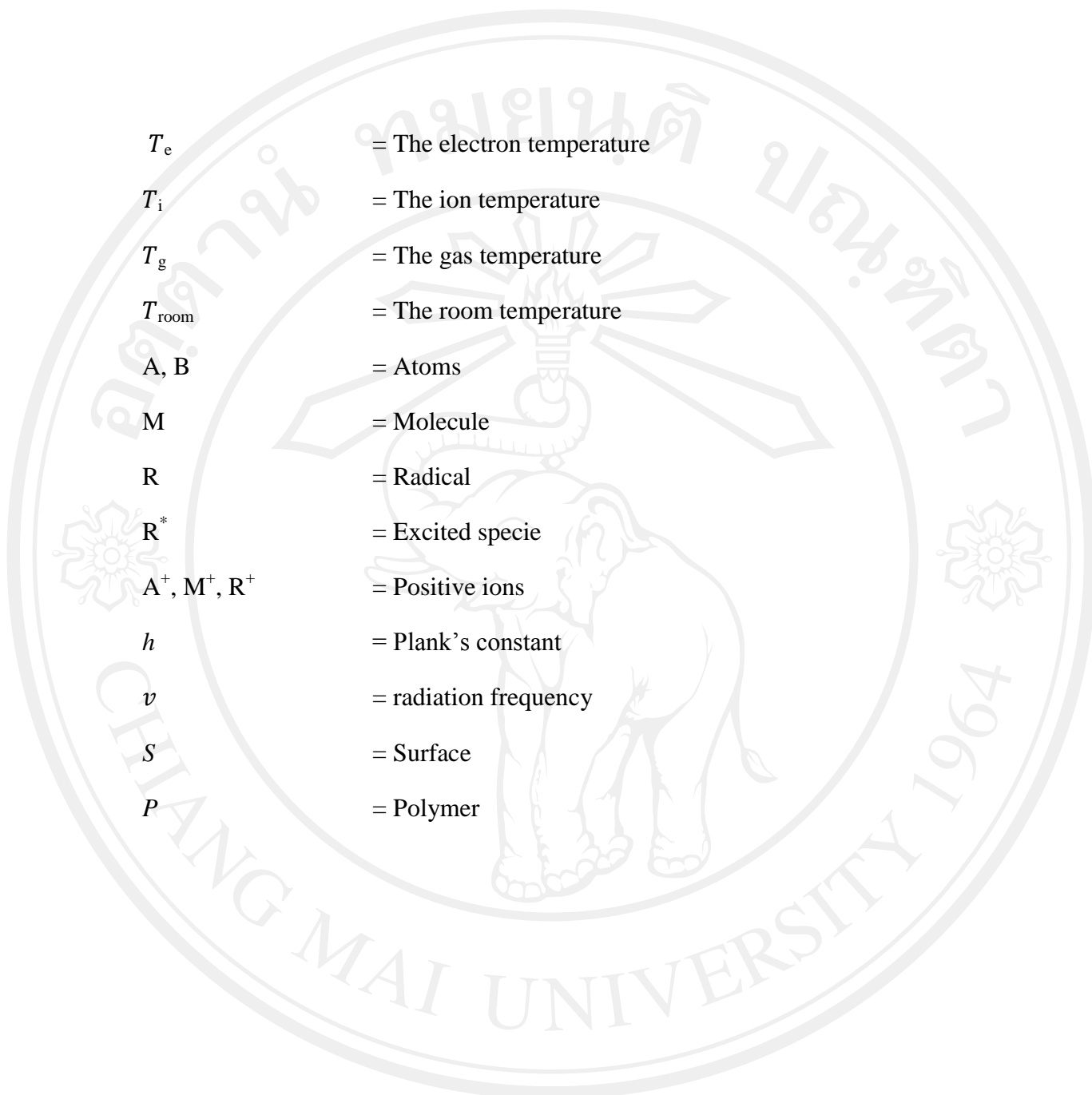
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ABBREVIATIONS AND SYMBOLS

a-C	= Amorphous carbon
CNFs	= Carbon nanofibers
DC	= Direct current
DLC	= Diamond like carbon
ECM	= Extracellular matrix
eV	= Electron volt
hESCs	= Human embryonic stem cells
MSCs	= Mesenchymal stem cells
MW	= Microwave frequency
PECVD	= Plasma-enhanced chemical vapor deposition
PVD	= Physical vapor deposition
RF	= Radio frequency
UV	= Ultraviolet
VUV	= Vacuum Ultraviolet
λ_D	= Debye length
ω	= The frequency of plasma oscillations
τ	= The time between ion/neutral collisions
n_e	= Electron density
n_i	= Ion density
n_g	= Gas density
n_n	= Neutral density



T_e	= The electron temperature
T_i	= The ion temperature
T_g	= The gas temperature
T_{room}	= The room temperature
A, B	= Atoms
M	= Molecule
R	= Radical
R^*	= Excited specie
A^+, M^+, R^+	= Positive ions
h	= Plank's constant
ν	= radiation frequency
S	= Surface
P	= Polymer