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# Physiological and biochemical responses to high light and temperature stress in plants

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**Abbreviations:** <sup>1</sup>O<sub>2</sub> – singlet oxygen; APX – ascorbate peroxidase; Asc – ascorbate; CAT – catalase; CEF – cyclic electron flow; EL – excess light; GPX - glutathione peroxidase; GSH – reduced glutathione; GSSG – oxidized glutathione; HL – high light; LHC – light-harvesting complex; LL – low light; MDHA – monodehydroascorbate; NPQ – non-photochemical quenching; OEC – oxygen evolving complex; POX – peroxidase; PQ – plastoquinone; PRX – peroxiredoxin; ROS – reactive oxygen species; SOD – superoxide dismutase; VAZ – xanthophyll cycle

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