

OBJECTIVES

1. To study the role of glutathione peroxidase1 in vitiligo pathogenesis.
2. To study the role of catalase in vitiligo pathogenesis.
3. To study the role of glucose 6-phosphate dehydrogenase in vitiligo pathogenesis.
4. To study the role of miRNAs in vitiligo pathogenesis.
5. To study the *in vitro* effect of oxidative stress on melanocytes.