

البحث رقم (٦)

**Title:**

**“Hepatoprotective effect of Raspberry Ketone and White tea against Acrylamide-induced toxicity in rats”.**

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| <b>Journal Name</b>     | Drug and Chemical Toxicology (IF: 1.946)   |
| <b>Publication Date</b> | Jun., 2020   |
| <b>Volume</b>           |  |
| <b>Issue</b>            |  |
| <b>Page</b>             | 1-9  |
| <b>Publisher</b>        | Taylor & Francis   |

**Abstract:**

The current investigation was accomplished to evaluate the hepatoprotective effect of White tea and Raspberry Ketone against toxicity induced by acrylamide in rats. Sixty adult male rats were divided randomly into group (I) control; group (II) rats received RK with dose (6mg/kg/day); Group III: rats received 5 ml of WT extract/kg/day; Group IV rats received AA (5 mg/kg/day); Group V: rats administrated with both AA (5 mg/kg/day) and RK (6 mg/kg/day) and Group VI: rats administrated AA (5 mg/kg/day) and 5 ml of WT extract /kg/day. The biochemical assays exhibited a significant increase in serum levels of Adiponectin, AST, ALT, ALP of the group treated with acrylamide if compared to the control group and an improvement in their levels of groups V and VI. The histopathological and immunohistochemical findings confirm the biochemical observations. In conclusion, the present investigation proved that the supplementation of WT and RK enhanced the liver histology, immunohistochemistry and biochemistry against the oxidative stress induced by acrylamide.