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## Amr Amin

UAE University, UAE

### Biography

Amr Amin is a graduate faculty at UAE University who supervised many graduate theses. He earned his PhD from University of Illinois at Chicago and received a postdoctoral training at University of Pennsylvania School of Medicine. His lab studies roles of natural products in the treatment and prevention against cancer. He serves on the editorial boards and as a reviewer of many international journals and he is also the recipient of many national and international awards.

[a.amin@uaeu.ac.ae](mailto:a.amin@uaeu.ac.ae)

## GRAPE SEEDS EFFECT AGAINST DEN INDUCED LIVER CANCER

This study was conducted to assess the anti-tumour properties of grapeseed extract (GSE) against chemically-induced liver cancer. Administration of different doses of GSE significantly inhibited foci formation as well as decreasing the number and the area of placental glutathione-S-transferase in livers of tumour-induced rats by approximately 4 and 10-fold deductions, respectively. The extract also induced apoptosis and down regulated histone deacetylase activity and inflammation makers, such as cyclooxygenase 2, and inducible nitric oxide synthase expressions in liver. It also induced differential cell cycle arrests and decreased the viability of HepG2 cells and induced early and late apoptosis through activating caspase-3 and Bax.