

CWSF 2008 - Ottawa, Ontario



Linda Liu, Cherry Gao

The Effects of *Zizyphus jujuba* var. *spinosa* Extract on Various Cancer Cell Lines

Division: Life Sciences / Environmental Innovation

Category: Senior

Region: Greater Vancouver

City: Surrey, BC, North Vancouver, BC

School: Sands Secondary, Sutherland Secondary

Abstract: Although great efforts are made in the search for modern anticancer substances, ancient compounds have demonstrated a surprising ability to treat and prevent cancer. *Zizyphus jujuba* var. *spinosa* (commonly known as *Z. spinosa*) contains many phytochemicals that are important for inhibiting the growth of cancer cells. In our research project, we tested the *Z. spinosa* extract's effects on three different human cancer cell lines.

Biographies

Linda - I attend Sands Secondary School where I am involved in the Student Council, S.O.S. Service Club, and Yearbook Committee as well as the Model United Nations Group. I am establishing a Sands Global Issues club and helping to organize a Lower Mainland benefit concert for the crisis in DR Congo. I am currently volunteering at Kinsmen Lodge senior home. I am the Secretary for the Youth Arts Council of Surrey and I am helping to establish a Youth Arts Council of Delta. I am a member of the B.C. Youth Parliament, I will be the Minister of External Affairs and Public Relations for Lower Mainland East Youth Parliament and I am running for Youth Parlia...

Cherry - I am the kind of person who thrives in a busy life, and refuses to lead a quiet life in the fear of letting something significant pass by unnoticed. I am a student who enjoys being involved in many extracurricular activities at school. I founded the Cancer Awareness Club in my school last year, and my responsibilities as the president include leading the organization of school- and community-based fundraising events. I also began holding meetings for students interested in the mathematics, which eventually evolved into the Sigma Pi Theta Math Club. Science has always been my passion, because it is the subject that excites me the most. I still...

Awards

Value

Honourable Mention - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$100
Total	\$100