

# CWSF 2010 - Peterborough, Ontario



## Bekir Buyukkocabas

### A Fuel of the Future

**Division:** Health Sciences

**Category:** Intermediate

**Region:** Toronto

**City:** Ontario, ON

**School:** Nil Academy

**Abstract:** Within our deteriorating petroleum-based economy, the development of green fuels has given rise to many predicaments regarding the usage of food for fuel. In this project, an original approach to biodiesel production from waste tea leaves through the Soxhlet extractor was demonstrated. The biodiesel was then subjected to characterization, chemical, and statistical tests. Overall, I discovered that tea biodiesel can become a future fuel.

### Biography

Hello, my name is Bekir Buyukkocabas, and I am a ninth grade student at Nil Academy. I am an awfully determined person, as I fancy to immerse myself in an atmosphere that coerces me to both learn and enjoy any particular given activity. Over the course of my intermediate school career, I have fabricated a stupendous academic profile that I wish to augment by means of competitions and comprehensive learning courses. In fact, in a two-year time span, I was able to garner, and contently procure, over eight science fair competition medals, four of which are gold! During my free time, I enjoy to voraciously read science-fiction novels, solve excruciating mathematics problems, listen to classical music, and investigate mysterious scientific phenomena. Furthermore, I love badminton and soccer, but with badminton being my most favoured. I also have a great passion for pencils, for I collect prestigious pencils from all over the world. For the future, I plan on becoming a theoretical chemist whose primary interests are in the fields of mathematical and physical chemistry. I am an ardent and fervent fellow that hopes to attend, in the future, one of my favourite academic institutions? Waterloo University.

### Awards

### Value

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| The University of Western Ontario Scholarship<br>Gold Medallist - \$4000 Entrance Scholarship<br>Sponsor: University of Western Ontario | \$4 000 |
| Gold Medal - Earth & Environmental Sciences - Intermediate<br>Sponsor: Suncor Energy Inc.   | \$1 500 |
| Total   | \$5 500 |