

## CWSF 2014 - Windsor, Ontario



### Shruthi Bandi

#### How are Microorganisms Useful to Humans? Part 2

**Challenge:** Discovery

**Category:** Junior

**Region:** Prince Edward Island

**City:** Charlottetown, PE

**School:** Queen Charlotte Intermediate School

**Abstract:** Drug resistance in pathogenic microorganisms is a big issue in the world. Many pathogens are developing drug resistance to the antibiotics in the market. Discovering new antibiotics is required in this current situation. My goal is to explore unknown soil resources to see if I can discover new microorganisms and new antimicrobial products to meet the current challenges to fight against drug resistant microorganisms.

#### Biography

My name is Shruthi Bandi; I am 13 years old and in grade 8 at Queen Charlotte Intermediate. Some of my hobbies are playing piano, basketball, badminton, soccer, reading books, cooking, and painting. I love playing the piano and participated in many music festivals ever since I was little. I participate in many activities such as spelling bees, sports competitions and science fairs. My future plan is to study medicine and become a neurologist. I got the inspiration for this project because drug resistance in microbial pathogens is a worldwide issue and I wanted to find a way to control it. I also wanted a project that is useful in the society and comes from natural resources. This is part two from my project last year, I wanted to continue it because the results from last year were really intriguing and I thought that my isolates could be useful in today's modern world. For anyone who is going to do a science fair project, I suggest doing something you're interested in and give it your all.

#### Awards

#### Value

Challenge Award - Discovery - Junior Sponsor: Youth Science Canada	\$500
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
<b>Total</b>	<b>\$5 200</b>