

## CWSF 2019 - Fredericton, New Brunswick



### Anchali Ramesh

#### Hey, We Love Your Water Bottle!

**Challenge:** Health

**Category:** Intermediate

**Region:** York

**City:** Markham, ON

**School:** Brother André Catholic H.S.

**Abstract:** An attempt was done to reveal the chances of multiplication of bacteria in and around the mouth of refillable water bottles as the water was consumed several times through the day and to conduct an experimental study on the effect of different materials (stainless steel/plastic/glass/copper) of the water bottle on the growth of bacteria. The strains of bacteria were identified using cellular and colony morphology.

#### Biography

I am Anchali Ramesh, a grade nine student at St. Brother Andre Catholic High School from York Region Catholic School Board. I am a member of the ESP club at school which creates awareness among the students regarding various issues existing at the school realm. Also, I volunteer in medical clinics at the front desk. Regarding my future plans, I would like to invest my ability and time in the medical field to become an endocrinologist. It is my cherished dream to become a medical professional. I obtained awards in classical dance, stringed instruments and I achieved the best Stem Fair Project Award during my eighth grade and I was able to continue with my interest in Scientific Investigation in grade nine as well. I got the inspiration for my project during the discussion of various topics for Stem Fair with my mentor. At the moment, I have further plans to extend my project by identifying the different strains of bacteria using their cellular morphology rather than colony morphology. The best advice that I can provide is to pursue the project even when they come across obstacles and also to choose the project at the earliest for best outcomes.

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