



**CALIFORNIA STATE SCIENCE FAIR  
2017 PROJECT SUMMARY**

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| <b>Name(s)</b><br><b>Rumaysa H. Haris</b>   | <b>Project Number</b><br><b>J1709</b> |
| <b>Project Title</b><br><b>Fighting ABPA: Oregano Oil and Anti-fungal Medicine</b>  |                                       |
| <b>Abstract</b><br><b>Objectives/Goals</b><br>The objective of my experiment is to find out if we can fight fungus faster if we use an anti-fungal medicine with a natural remedy or the medications or remedies alone.<br><b>Methods/Materials</b><br>An Empty water bottle, Oregano oil, Yeast, A small bucket, Water, Sugar, Goggles, Gloves, Mask, Falcon tube, Drill, Silicon sealant, Voriconazole, and a Flex Tube.<br><b>Results</b><br>After repeated trails, results showed that least CO <sub>2</sub> was produced when we used Voriconazole with oregano oil. Voriconazole produced more than the two combined. Oregano oil used alone produced less CO <sub>2</sub> than the Voriconazole but still more than the two of them combined. The highest amount of CO <sub>2</sub> was produced when we did the control experiment without using any medication or remedies<br><b>Conclusions/Discussion</b><br>On the basis of my results, I concluded that my hypothesis was correct. As I assumed, anti-fungal medicine works better when used with natural remedies like oregano oil. If I were to add on to my project, I would test its antibacterial and antiviral properties as well. As Oregano Oil is known for its antibiotic and antiviral properties, so that my project can be useful for others out there. |                                       |
| <b>Summary Statement</b><br>Serious fungal infection can be tackled much faster with the help of medication and natural remedies rather than the medication alone   |                                       |
| <b>Help Received</b><br>My mother, sister, science teacher, and my father all helped and guided me in various ways for my experiment.   |                                       |