

CALIFORNIA STATE SCIENCE FAIR 2004 PROJECT SUMMARY

Name(s)		Project Number
Pallavi Bekal		J1304
Project Title Mother Knows Be	ct. A Study of the Health Re	anofits of Sniev Cooking
	St. A Study of the mann be	clicins of spicy cooking
	Abstract	
People in equador regions us spices, are they keeping ther spices have the ability to kill effective and by how much? Methods/Materials My experimental setup was E. coli, and sterile swabs fro upside down and I applied 1 mustard, black pepper, coria Celsius for 4 days. I had thre Results The results of my experimer Inhibition- coriander 100%. pepper 17%, and garlic 17% Conclusions/Discussion According to my results, spi beneficial in tropical countri	se spices in food preparation for thousan nselves healthy by keeping their food "d food-spoilage microorganisms. And if This is what I plan to find out after I ha designed to test volatile emission from m CSUF, I carefully streaked E. coli or /4 tsp. of spice on the lid. I used all of ti nder, lemon juice, and chilli powder. The replicates. It show that not all of the seven spices u Partial Inhibition- mustard 83%, cinnar . None- chilli powder 0%. ces do have antibacterial properties, but es that have ineffective food storage me	unds of generations. By using these 'clean?" My objective is to find out if f they do, which spices are most have conducted my experiment. the spices. After obtaining agar dishes, n all of my dishes. Then I turned them the following spices: cinnamon, garlic, Then I left my dish at 27 degrees used were effective. Complete mon 67%, lemon juice 67%, black th not all of them. This is potentially tethods.
Summary Statement The purpose of this project i	s to see whether spices have antibacteri	ial properties.
Help Received		

I would like to thank Dr. Schreiber from CSUF for advising me on what species of bacteria to use and for providing me with the needed materials for this experiment. I would also like to thank Mr. Karsevar for allowing me to work on this project during class and for helping me fill out the forms.