



**CALIFORNIA STATE SCIENCE FAIR  
2013 PROJECT SUMMARY**

<b>Name(s)</b> <b>Divita Pandita</b>	<b>Project Number</b> <b>J0214</b>
<b>Project Title</b> <b>Save the Earth</b>	
<b>Abstract</b> <b>Objectives/Goals</b> To create a more efficient and economically feasible alternative energy source, that could potentially save our planet from global warming and pollution by using the surplus of human waste. <b>Methods/Materials</b> I used a two chamber microbial fuel cell to produce electricity. The main materials used were containers, carbon cloth/paper, copper wire, Agar and salt, air pump, Benthic / top soil, water and few other miscellaneous materials. <b>Results</b> Microbial fuel cell was capable of producing electricity right away, but its electric production was inconsistent. <b>Conclusions/Discussion</b> Yes, the microbial fuel cell can be used to create a more efficient and economically feasible alternative energy source, that could potentially save our planet from global warming and pollution by using the surplus of human waste. In the future for mass production of microbial fuel cell a capacitor can be used to increase the efficiency of the microbial fuel cell.	
<b>Summary Statement</b> Creating a new alternative energy source that can potentially save the Earth.	
<b>Help Received</b> Parental supervision in using sharp objects.	