**Aniruddh Chennapragada, James Ruse Agricultural High School, *Investigating the Carbonisation and Activation of Banana Peels for Applications in Batteries***

Aniruddh successfully prepared activated carbon from banana peel.  His project then progressed onto characterising the synthesised activated carbon using FT-IR (Fourier-transform infrared) spectroscopy and SEM (Scanning Electronic Microscopy). Finally, he used his activated banana peels as cathodic material in an aluminium air battery showing that there is great potential for utilising organic waste like banana peels for preparing chemically activated materials that have applications in energy technology.