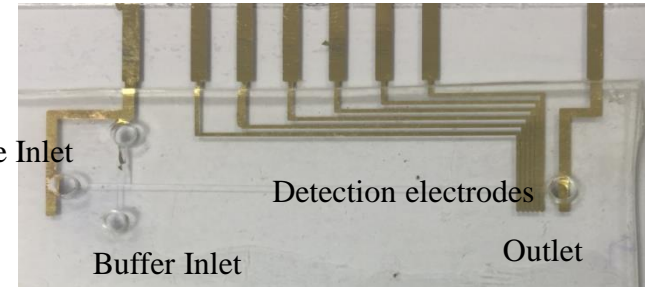




Electrochemical ,
Microfluidics , Fuel Cell



CEAD based microfluidic Chip for
soil analyzer

Microfabricated microfluidic
lab-on-a-chip, capillary
electrophoresis microchip, Biosensor



Presently **HPLC/GC** are widely used for the detection of pesticides, which requires some chemicals like methanol in high volume, and also they require detection of Single pesticide at a time, also they are very time consuming. The present research focus to use separation and detection of multiple pesticide, insecticide, herbicide and fungicide on a single chip.

The research is highly interdisciplinary in nature and involves the relevant research expertise of a device fabrication, electrochemical sensing and microfluidic concept.