

**A.P.C Mahalaxmi College for Women, Thoothukudi**  
**Department of Chemistry**  
Consultancy Charges

| S. No                               | Parameters                                    | Testing Charges<br>(per solvent/ per sample)<br>(Rs.) |
|-------------------------------------|---|---|
| <b>Phyto - chemical Analysis</b>    |   |   |
| 1.                                  | Extraction using Soxhlet apparatus            | 1000.00   |
| 2.                                  | Phyto chemical screening                      | 750.00  |
| 3.                                  | Solvent Extraction using Rotary<br>Evaporator | 750.00  |
| 4.                                  | Fluorescence analysis                         | 1000.00   |
| 5.                                  | Antioxidant activity<br>(DPPH or FRAP method) | 1000.00   |
| 6.                                  | Cyclic voltametry<br>Redox potential          | 1000.00   |
| 7.                                  | Total phenols                                 | 750.00  |
| 8.                                  | Total flavonoids                              | 750.00  |
| 9.                                  | Total alkaloids                               | 750.00  |
| 10.                                 | Total steroids                                | 750.00  |
| 11.                                 | Saponins                                      | 750.00  |
| 12.                                 | Tannins                                       | 750.00  |
| 13.                                 | TLC studies (per solvent)                     | 1000.00   |
| 14.                                 | Paper chromatography studies (per<br>solvent) | 1000.00   |
| <b>Mineral studies</b>              |   |   |
| 15.                                 | Na, K Estimation                              | 750.00  |
| <b>Nutritional Analysis</b>         |   |   |
| 16.                                 | Moisture                                      | 150.00  |
| 17.                                 | Fat   | 650.00  |
| 18.                                 | Protein                                       | 650.00  |
| 19.                                 | Fiber   | 800.00  |
| 20.                                 | Ash   | 350.00  |
| 21.                                 | Carbohydrate                                  | 750.00  |
| 22.                                 | Energy  | 150.00  |
| <b>Water/ Salt Quality Analysis</b> |   |   |
| 23.                                 | Titration Acidity                             | 500.00  |
| 24.                                 | pH  | 350.00  |
| 25.                                 | Total Dissolved Solids                        | 350.00  |
| 26.                                 | Total Hardness                                | 350.00  |
| 27.                                 | Chloride content                              | 350.00  |
| 28.                                 | Microbial load                                | 1000.00   |
| 29.                                 | Color   | 350.00  |
| 30.                                 | Taste   | 350.00  |
| 31.                                 | Odour   | 350.00  |
| 32.                                 | Turbidity                                     | 350.00  |
| 33.                                 | Estimation of Iodine in salts                 | 500.00  |

\*Taxes Applicable