

Characterisation Service Request Form

1. General Information

- **Name of Researcher / PI:** Dr. G Tejaswini
 - **Institution / Department:** Dept. of Chemistry, Government College(A), Rajahmundry
 - **Contact Email / Phone:** tejagara@gcrjy.ac.in/9052333529
 - **Project Title / Sample Type:** Characterisation of plant based biofilm incorporated with magnetite nanopartilces and bare sample
-

2. Sample Details

- **Sample Name / Code:**
 - **Sample1:** PSCG (biofilm)
Sample2: PSCG 2 (nanobiofilm)
Sample3: PSCG 4 (nanobiofilm)
Sample4: PSCG 6 (nanobiofilm)
Sample5: PSCG 8 (nanobiofilm)
 - **Sample Type :** biofilm and nanobiofilm
 - **Number of Samples Submitted:** 5
 - **Preparation Condition:** Aqueous solvent used
 - **Special Handling Required :** Eco Friendly
-

3. Requested Characterisation Techniques

Checklist for UTM Request (Nanobiofilm)

Tensile Test

- Ultimate tensile strength (UTS)
- Yield strength (if applicable)
- Elongation at break (%)
- Young's modulus (slope of stress–strain curve)
- Toughness (area under stress–strain curve)