

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
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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
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3. Requested Characterisation Techniques

Checklist for AFM Request (Nanobiofilm)

- **AFM Analysis**
2D & 3D topography images
Biofilm thickness (height profile)
Surface roughness (Ra, Rq, Rz)