



Biodigester is heart of CBG plant. We offered Expert BioDigester Services – Start-Up, Maintenance, Advanced Microbial Analysis and Practical Solutions...



Maximize Your Biogas Production with Science-Backed Solutions!

Are you experiencing low gas yield, poor gas quality, or system inefficiencies in your biodigester? Biogas production is driven by microbial activity, and to ensure optimum gas yield and quality, a scientific approach is essential.

Our Services:

- ✓ Biogas Plant Start-Up & – Get expert guidance to set up a high-efficiency plant with selective high performing microbial culture.
- ✓ Monthly Microbial Population Check-Up – We will analyze microbial dynamics using Next-Generation Sequencing (NGS) & Microbiological Tools to optimize digestion.
- ✓ Troubleshooting & Repairs of Biodigester and provide Scientific solutions to enhance biogas output.

Why Microbial Analysis Matters? Biogas production is a biological process dependent on microbes. To achieve maximum gas yield and quality, it is crucial to:

- 🔍 Monitor microbial populations – Identify dominant bacteria & archaea for effective digestion.
- ⚖️ Balance microbial consortia – Prevent acidification, scum formation, and methane inhibition.
- 🔥 Optimize feedstock & digestion conditions – Ensure the right Carbon/Nitrogen ratio, pH, and temperature.

🔍 **Detect early-stage imbalances – Prevent long-term issues affecting gas production. Common Biodigester Problems We Solve:**

- Low or No Gas Production – Due to microbial imbalance, poor feedstock, or temperature fluctuations.
- Gas Not Burning Properly – Caused by CO₂ buildup, sulfur compounds, or water accumulation in pipes.
- Strong Odor or H₂S Smell – Indicates improper digestion and microbial imbalance.
- Floating Scum & Blockages – Caused by poor microbial degradation of organic matter.

💡 Why Choose Us?

- ✓ Advanced Microbial Analysis with NGS
- ✓ Experienced biotechnologist
- ✓ Scientific, Data-Driven Approach to Gas Optimization
- ✓ Customized Solutions for Small & Large Biogas Plants



Ensure Maximum Biogas Yield with Cutting-Edge Microbial Monitoring!



Power Your Future with Science & Sustainable Biogas – Contact Us Today!

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