

**BIO-DATA – DR. SYAMAL KANTI CHAKRABARTI**

DR. SYAMAL KANTI CHAKRABARTI

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Present Designation	Head, Bio-chemistry Division
Research Experience	Thirty four Years in Academic and Industrial Research
Educational Qualification	M. Sc, Ph.D (Bio-Chemistry)
Academic Details	<ol style="list-style-type: none"><li><b>Post Doctoral Fellow</b> Dept. of Plant Science Colorado State University, Fort Collins, USA</li><li><b>Visiting Scientist (UNIDO Fellow)</b> Dept. of Microbiology, Colorado State University, Fort Collins, USA</li><li><b>Doctor of Philosophy</b> (Ph.D) in Bio-Chemistry Bose Institute, University of Calcutta, India</li><li><b>Master of Science</b> (Bio-Chemistry), Calcutta University</li></ol>
Responsibility Shared	Coordinator and Principal Investigator of various sponsored R&D projects Organizational fund generation through Industrial consultancy
Areas of Specialization	<ul style="list-style-type: none"><li>Bio-Chemical Processing / Eco-processing of Natural Fibres</li><li>Industrial Enzyme production and application</li><li>Textile Microbiology</li><li>Wet processing of Jute and allied fibres</li><li>Specialty finishing of Jute and allied fibres</li><li>Innovative Retting of jute</li></ul>
Achievements	<ul style="list-style-type: none"><li>Rice Bran Oil (RBO) Technology for eco-processing of Jute &amp; allied fibres</li><li>Moisture Retention Technology in Jute Processing</li><li>Durable Jute Geotextiles</li><li>Accelerated enzymatic retting of jute ribbons under water limiting condition</li></ul>
Publications in leading journals/books published	Twenty nine Research Publications (including 15 in International Journals) Twenty three Conference Papers
Patents obtained applied, if any	Five patents (including one International Patent)

Technologies on offer

- RBO Technology for production of premium quality Food Grade Jute Products
- Accelerated retting process for jute ribbons
- Enzymatic upgradation of jute fibre
- Moisture Retention Technology in Jute Processing
- Energy efficient green Sizing
- Solid State Fermentation for production of Industrial Enzymes