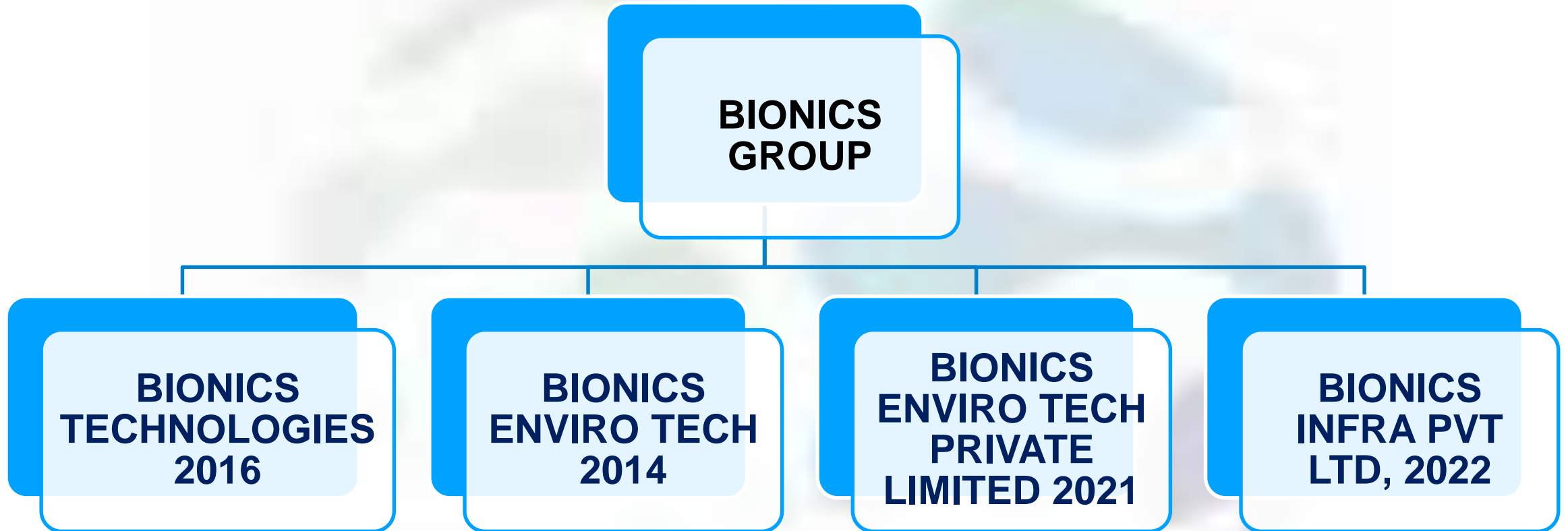


BIONICS ENVIRO TECH

(BIONICS -Group of Companies)

BIONICS GROUP OF COMPANIES



BIONICS ENVIRO TECH (Group of companies)

1. BIONICS ENVIRO TECH - 2014

2. BIONICS ENVIRO TECH Pvt. Ltd. 2021 (Manufacturer of Nanozyme culture for Wastewater Treatment - Common sewage Treatment plants)

3. BIONICS INFRA PVT LTD 2022

(Municipal Solid Waste Management Projects & Road contracts)

4. BIONICS TECHNOLOGIES – 2016

BIONICS OFFICES

HEAD OFFICE	CORPORATE OFFICE	REGIONAL OFFICE
2/185, RAM NAGAR, VAAIKALMEDU,	NO-1, GST ROAD, THAILAVARAM, POTHERI	PRATAP COLONY, NEAR HOLY CHILD SCHOOL
PERUNDURAI MAIN ROAD ERODE-638052	CHENNAI-603203	RUHATTA, JAUNPUR SADAR UTTAR PRADESH-222 002

	BIONICS ENVIRO TECH PVT. LTD.	
Company Address:	2/185, RAM NAGAR, VAAIKALMEDU, PERUNDURAI MAIN ROAD ERODE-638052, TamilNadu	
Tel.:	9095000090	
E-Mail:	drparams2014@gmail.com , bionicsenvirotech@gmail.com , info@bionicsenviro.com	
Website:	www.bioncisenviron.com	
Contact Persons:	Dr.M.Parameswari	K. Shasikumar
Mobiles:	9095000090	8220227745
E-mails:	drparams2014@gmail.com	Kshaikumar@hotmail.com

Bionics Infra Pvt Ltd

- Engaged in the works of
- **1. MICROBIAL NANOZYME TO COMMON SEWAGE EFFLUENT TREATMENT PLANT**
- **2. MUNICIPAL SOLID WASTE MANAGEMNT COMPOSTING -Bio mining**
- **3. ROAD PROJECTS**
- **4. Infrastructure Construction**

BIONICS GROUP OF COMPANIES



To be globally recognized as the first innovative technology in delivering energy efficient biological treatment system for waste water treatment.



To deliver to all the people of the world the most environmentally responsible, affordable and effective water treatment system

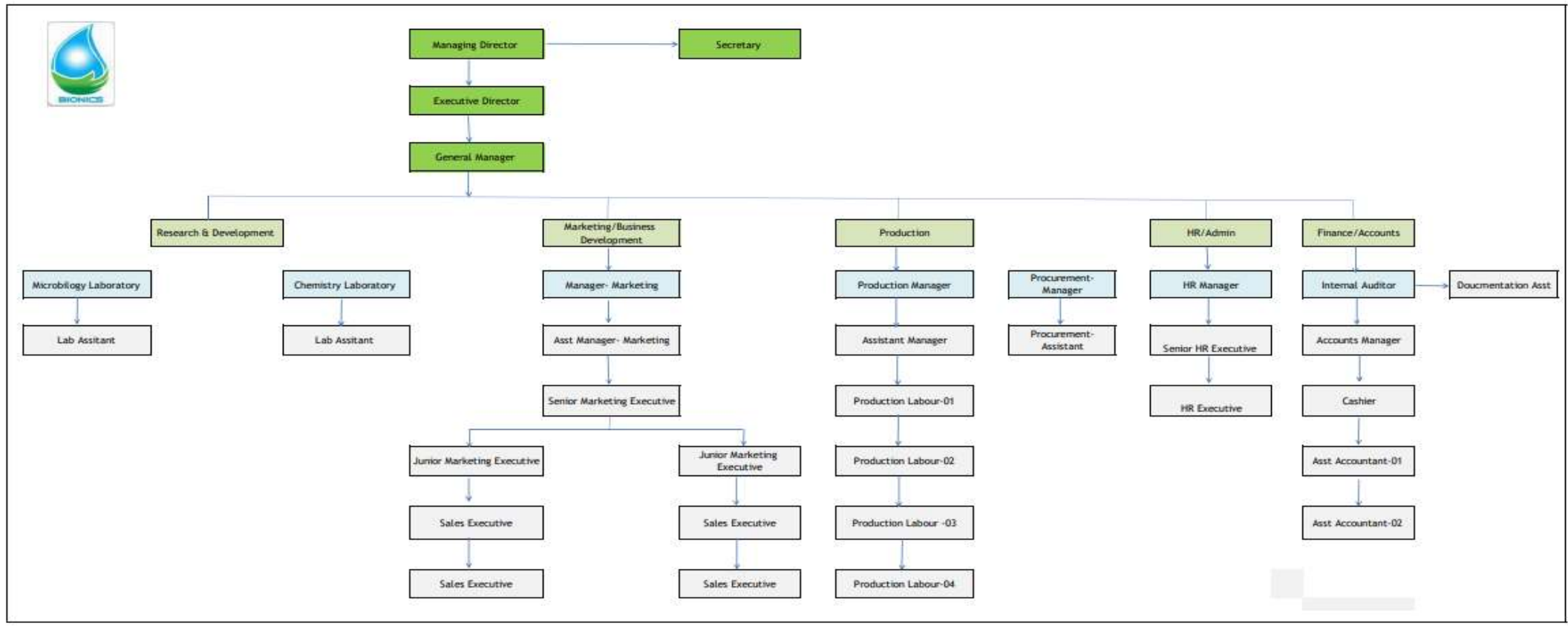


Innovation is the cornerstone of our business. We place the highest priority on encouraging, developing, supporting and training our people to be the very best in the industry

BIONICS – QUALITY POLICY

- We at BIONICS ENVIRO TECH PVT LTD are committed to be at the top of the global MSWM, Wastewater treatment technology, by producing the highest quality and the most competitive products and systems, fully satisfying customers with our “quality” services.
- Furthermore, our environmental awareness is paramount in our general approach to business.
- Through our policy of continuous product development & improvement, we aim to perform all production activities and technical services right from the first time and all the time, with the highest efficiency.
- Also, as a part of the Bionics continual improvement approach, we set measurable quality objectives at relevant levels and functions within the Organization, monitor them, and reassess them on yearly bases.
- We will achieve this by the commitment to comply with the requirements and continually improve the effectiveness of the quality management system.

BIONICS ENVIRO TECH ORGANISATION CHART



BIONICS COMPANY INFRASTRUCTURE

Manufacturing facility of unique fermenters & Incubators with capacity of 35 MT per day production along with various product line up to serve multiple sectors at our own facility in Namakkal & Erode

A Unique micro biology lab equipped with state of the art to conduct all type of testing related to waste management & Waste water .

Bionics has its own Produced product storage facilities of upto 10,000 MT

NANOZYME

1. NANO-ZYME” which are Effective Microbes (EM) contain multiple strains of aerobic and facultative anaerobic microbes, which are selected for their compatible, symbiotic metabolic pathways based on different industrial effluent characteristics.
2. Products are manufactured with stringent laboratory standards incorporating modern equipment's using international formulas -to achieve ISO- 9001 standards and NABL accreditation for laboratories.
3. NANOZYME are formulated with intensive Research and Development which suit specific needs of customers.

NANOZYME DESCRIPTION

ROLE OF MICROBIAL NANOZYME IN WASTE WATER TREATMENT PLANTS :

Available Form	Organic Semi-Solid Form
Number Of Bacterial Strains	60 Different Bacterial Strains
Stage Of Bacteria	Living Bacteria
Number Of Bacterial Colonies	63 X 10⁻⁹ CFU/MI

Parameters	Percentage of Reduction
Sludge Degradation	Zero sludge
Chemical Oxygen Demand (COD)	95-98%
Biological Oxygen Demand (BOD)	98-100%
Colour	90-100%
Odor	100%
Removal Of Suspended & Floatable Organic Debris	100%
Reduces Total Suspended Solids (TSS)	92-95%
Reduces Total Dissolved Solids (TDS)	Depends on Characteristics
Increases Dissolved Oxygen (DO)	Min. 3 - max - 6

NANOZYME USAGE IN INDUSTRY :

Common Sewage Treatment Plants (CSTP) & Common Effluent Treatment Plants (CETP)
Dye & Textile processing Industries Paper And Pulp Industries
Tanneries & Leather
Pharmaceutical Industries
Sugar & Distilleries Industries
Milk & Dairy Industries
Breweries, Wine & Alcohol Plants

NANOZYME APPLICATION :

Aeration Tank
Anaerobic digestion
Collection and Equalization Tank
Common Effluent Treatment Plants (CETP)
Effluent Treatment Plants (ETP)
Sewage Treatment Plants (STP)

Industries We Serve :

Dye and Textile Processing

Pharmaceutical Industries

**Paper and Pulp Industries , Tanneries & Leather
Industries**

Milk and Dairy Industries , Food processing Industries

Chemical Industries

Municipal sewage water



WHERE THE NANOZYME TO BE USED

Activated Sludge Process	Collection & Equalization Tank
Aerobic Treatment Plants	Common Effluent Treatment Plants (CETP) & Effluent Treatment Plants (ETP)
Anaerobic Digester	Sewage Treatment Plants (STP)
MBR (Membrane Bio Reactor)	Up-Flow Anaerobic Sludge Blankets Reactor (UASBR)
Composting Inoculam	Biogas Production In Biogas Digester
Septic Tanks & Sludge Pits	Agricultural Biofertilizers

RANGE OF NANOZYME PRODUCTS

NANOZYME - BET - ETP - 7001	< 500 COD
NANOZYME - BET - ETP - 7002	500 - 2000 COD
NANOZYME - BET - ETP - 7003	> 2000 COD
Available in 20 Kgs., 25Kgs. 50 Kgs and etc.	Dosage : 15- 20 Kgs. / 100 KLD

NANOZYME - BET - STP – 9011	< 300 COD
NANOZYME - BET - STP – 9012	300 - 1000COD
NANOZYME - BET - STP – 9013	> 1000 COD
Available in 20 Kgs., 25Kgs. 50 Kgs and etc	Dosage : 15- 20 Kgs. / 100 KLD

NANOZYME BET- ANA-9001	NANOZYME - BET - BIOG - 7501
NANOZYME BET- ANA-9002	NANOZYME - BET - BIOG – 7502
NANOZYME BET- ANA-9003	NANOZYME - BET - BIOG – 7503
Available in 10 Kgs., 25Kgs. 50 Kgs and etc	Dosage : 10-15 Kgs. / 100 KLD



NANOZYME BET- COMP-7101
NANOZYME BET- COMP-7102
NANOZYME BET- COMP-7103
Available in 10 Kgs., 25Kgs. 50 Kgs and etc. Dosage : 10-15 Kgs. / 100 KLD



MERITS OF USING NANOZYME

Avoid Chemical Uses	Reduction of sludge generation
Low Cost Treatment	Degradation of Organic Pollutants & Heavy Metals
Reduction of Aeration Time & Blowers	Avoid sludge handling.
Low Energy Consumption	Increase The Biogas Production
Reduction of > 50 % of electricity usage	Treats Suspended And Floatable Organic Debris
Improved Anaerobic Digester Efficiency	Degradation of organic & Inorganic Chemicals



Textile & Dye Industries

Paper And Pulp Industries & Kraft Paper

Tanneries & Leather Industries

Pharmaceutical Industries

Sugar & Distilleries Industries

Milk & Dairy Industries

Food Industries

Breweries, Wine & Alcohol Plants

Chemical Industries



AEROBIC CULTURE (For ETP)

Product Code

NANOZYME – BET- ETP -7001
 NANOZYME – BET- ETP -7002
 NANOZYME – BET- ETP -7003

Product Description

Available Form	Organic Semi-Solid Form
Number of Bacterial Cultures	62 Different Bacterial Cultures
Stage of Bacterial Cultures	Living Bacteria
Number of Bacterial Colonies	61 x 10 ⁹ CFU/ml
Shelf Life	Min One Year

Effluent Parameter Reduction Chart

Parameters	Percentage of Reduction
Sludge Degradation	Zero Sludge
Chemical Oxygen Demand (COD)	95 – 98 %
Biological Oxygen Demand (BOD)	98 – 100 %
Colour	90 - 100 %
Odor	100 %
Removal of Suspended & Floatable Organic Debris	100 %
Reduces Total Suspended Solids (TSS)	95 - 99 %
Reduces Total Dissolved Solids (TDS)	Depends on Characteristics of waste water
Increases Dissolved Oxygen (DO)	Min 3 – Max 8

ANAEROBIC CULTURE (For Anaerobic Digester)

Product Code

NANOZYME – BET- ANA -9001
 NANOZYME – BET- ANA -9002
 NANOZYME – BET- ANA -9003

Product Description

Available Form	Organic Semi-Solid Form
Number of Bacterial Cultures	45 Different Bacterial Cultures
Stage of Bacterial Cultures	Living Bacteria
Number of Bacterial Colonies	61 x 10 ⁹ CFU/ml
Shelf Life	Min One Year



CHEMICAL INDUSTRIES

STP CULTURE

Product Code

NANOZYME – BET- STP -9011
 NANOZYME – BET- STP -9012
 NANOZYME – BET- STP -9013

Product Description

Available Form	Organic Semi-Solid Form
Number of Bacterial Cultures	52 Different Bacterial Cultures
Stage of Bacterial Cultures	Living Bacteria
Number of Bacterial Colonies	59 x 10 ⁹ CFU/ml
Shelf Life	Min One Year

Effluent Parameter Reduction Chart

Parameters	Percentage of Reduction
Sludge Degradation	Zero Sludge
Chemical Oxygen Demand (COD)	95 – 98 %
Biological Oxygen Demand (BOD)	98 – 100 %
Colour	100 %
Odor	100 %
Removal of Suspended & Floatable Organic Debris	95 - 100 %
Reduces Total Suspended Solids (TSS)	98 - 100 %
Reduces Total Dissolved Solids (TDS)	Depends on Characteristics of wastewater
Increases Dissolved Oxygen (DO)	Min 3 – Max 8

Municipal Solid Waste Composting

NANOZYME BET-COMP-7101
 NANOZYME BET-COMP-7102
 NANOZYME BET-COMP-7103



RANGE OF NANOZYME PRODUCTS

NANOZYME - BET - ETP - 7001	< 500 COD
NANOZYME - BET - ETP - 7002	500 - 2000 COD
NANOZYME - BET - ETP - 7003	> 2000 COD
Available in 50 Kgs and etc.	Dosage : 50 Kgs. / 100 KLD
NANOZYME BET- ANA-9001	NANOZYME BET- COMP-7101
NANOZYME BET- ANA-9002	NANOZYME BET- COMP-7102
NANOZYME BET- ANA-9003	NANOZYME BET- COMP-7103
Available in 50 Kgs and etc	Dosage : 50 Kgs. / 100 KLD
NANOZYME - BET - STP – 9011	< 300 COD
NANOZYME - BET - STP – 9012	300 - 1000COD
NANOZYME - BET - STP – 9013	> 1000 COD
Available in 50 Kgs and etc	Dosage : 50 Kgs. / 100 KLD



MERITS OF USING NANOZYME

<p>Odour Removal within Day, Rapid Active MLSS Development</p>	<p>Degradation of Organic Pollutants & Heavy metal reductions like Chromium, nickel, Arsenic etc.</p>
<p>Zero Sludge Process (ZSP) / Maximum Sludge Reduction/ Avoid sludge handling.</p>	<p>Reduction of Total Suspended Solids (TSS) And Floatable Organic Debris.</p>
<p>Colour Reduction Minimum 98% - 100%</p>	<p>Degradation of Organic & Inorganic Chemicals/Pollutant Loads</p>
<p>Reduction of Chemical Oxygen Demand (COD) 98% (Minimum< 50-100) & 95 – 100 % Biological Oxygen Demand (BOD).</p>	<p>Increases of Dissolved Oxygen, No structural changes required in existing plant to add Nanozyme</p>
<p>Avoid/Minimize the Chemical consumption (Primary Treatment Chemicals Polymer, Lime Etc) which will Leads to Cost Savings (Operational Cost, Capex cost)</p>	<p>Reduction Blower Usage in the Aeration System into 50% Ultimately Power Consumption will be reduced in which we can more cost from electricity.</p>
<p>Guaranteed Retention of Investment (ROI)</p>	<p>Reduction in Ammonical Nitrogen and H2S Reduction</p>
<p>Reduction in commissioning time of wastewater treatment plants ETP/STP.</p>	<p>No structural changes required in existing plant to apply Nanozyme technologies.</p>



2. ANAEROBIC DIGESTOR

Organic waste + Water ----- Enzyme ----->
Water Soluble Nutrients ----- Bacteria---> Water
+ CH₄ + Carbon Dioxide



Types of Anaerobic Digester



Organic waste + Water ----- **Enzyme** -----> Water
Soluble Nutrients ----- **Bacteria**----> Water + CH₄ +
Carbon Dioxide

How do BACTERIA breakdown any MOLECULE



Nanozyme contains 60 different bacterial strains, each selected continually adapt and grow at degrading certain waste materials. Biological treatment is the only method that can degrade the waste.



Bacteria have the capability of producing many different types of enzymes that degrade a wide variety of organic materials such as fats, oils, cellulose, xylan, proteins starches and all chemicals



Bacteria can produce the complete "team" of enzymes that are necessary to degrade and consume the organic materials present in their environment at any given time.



They can protect themselves from changes in environmental conditions by forming colonies, biofilms, or spores.

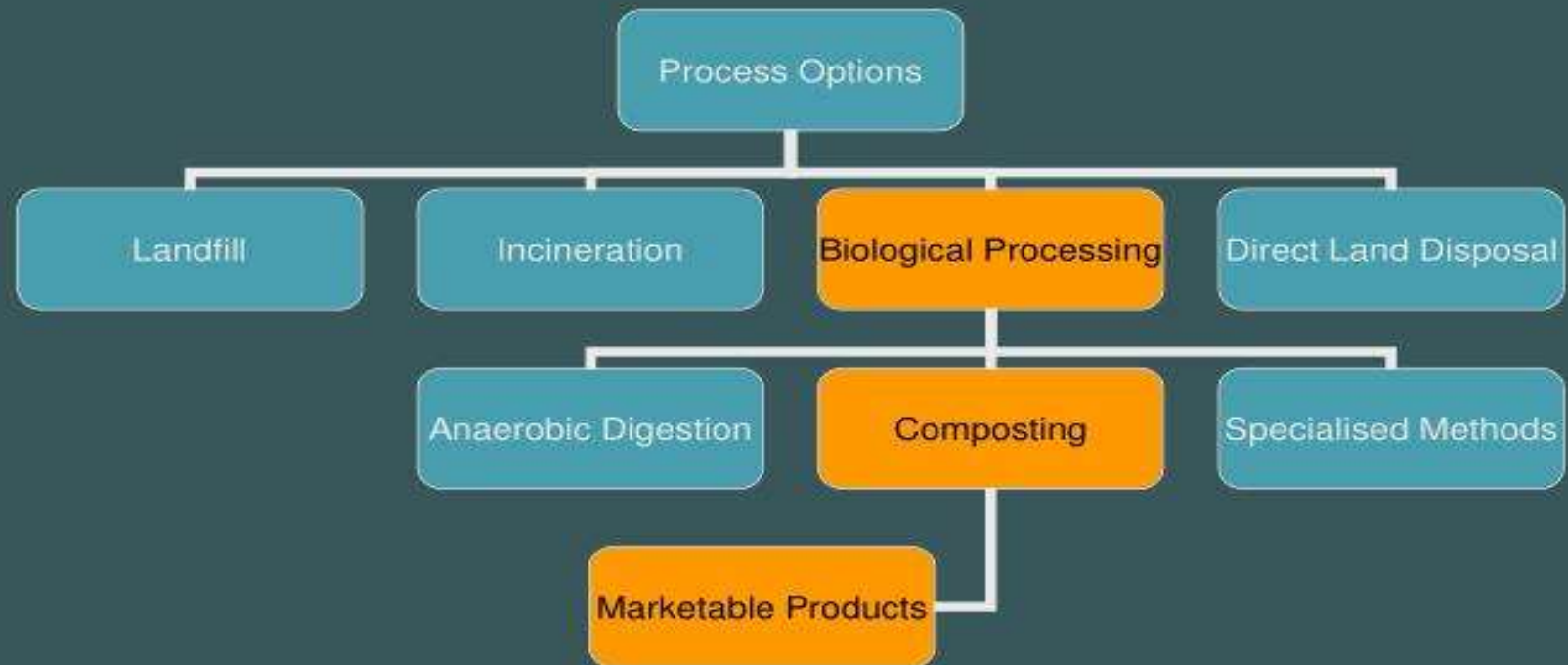


Bacteria can adapt to a range of conditions and food supplies. They can change the type of enzymes that they produce if the food source changes.

Bio-mining

- **Bio mining** is the scientific process of excavation, treatment, segregation and gainful utilization of aged municipal solid waste lying in dumpsites typically referred to as legacy waste.
- **Bioremediation** broadly refers to any process wherein a biological system (typically bacteria, microalgae, fungi, and plants), living or dead, is employed for removing environmental pollutants from air, water, soil, flue gasses, industrial effluents etc., in natural or artificial settings

Process Options for Organic Waste



**Stabilizing, Processing, Segregating And
Responsibly Disposing The Aggregates Thus
Reclaiming The Land**



Segregating



Capability - Use of Heavy Machineries

- Bionics Infra Pvt Ltd Equipped with best available heavy machineries for Bio mining like Ballistic Separators, Trommel Screens, Conveyars & Shredders with its own innovated Bio-composter (Nanozyme Bacterial Culture) to compost Municipal waste into compost for the better use of farmers & cultivators.

Infrastructure for construction – Road contracts

- Civil engineering covers the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, tunnels, airports, water and sewerage systems, pipelines, and railways.

Best Team of Engineers

- Bionics Infra posses the best team of Civil Engineers who are experienced one in the field of Civil construction including

Public works such as **Roads, Bridges, Canals Dams, Tunnel, Water & Sewerage system** including eco-friendly environments based society for our people (i.e. Buildings).

OUR FEW CLIENTS LIST :



About Managing Partner: Dr. Parameswari PhD Agri Enviro.,

Dr.M.PARAMESWARI Technical Director - Ph.D., in Agricultural Science from TamilNadu Agricultural University with specialization in Industrial Wastewater treatment heads the operations of the Company.

Dr.M.Parameswari has nearly 17 years experience in university research, monitoring of industrial effluent treatment plants.

Research Paper Publication -International – 20, National – 16

1. Awards & Medals: ICAR -2001,
2. University Grant Commission –NET June 2003 & December 2003,
3. Agricultural Scientist Award- 2004 June, UGC PDF- 2014.

About Dr. Parameswari PhD Agri Enviro.,



**Indian Council for
Agricultural Research
Award in 2001**



**University Grant Commission
National Eligibility Test Award
in June, 2003 & December, 2003.**



**Agricultural Scientist
Recruitment Board
National Eligibility Test Award**



**Times of India
May 28, 2009.**

Publication: The Times Of India - Chennai; Date:2009, May' 28; Section: Times City; Page Number: 4



'I use my knowledge gained during my PhD to recycle effluents' Parameswari Shasikumar Page 1 of 1, Publication: The Times Of India - Chennai; Date:2009 May 28;Section:Times City; Page Number: 4

'I use my knowledge gained during my PhD to recycle effluents'

Parameswari Shasikumar opted to be in the field, so she did not take up the assistant professorship offered to her by the Tamil Nadu Agricultural University. "I have cleared the national eligibility test required to become an academic, but am interested in doing service on the industrial side," says the 29- year-old. She has done her B Sc Agriculture and M Sc and Ph D in Environmental Science in TNAU. Her Ph D thesis was on solid and liquid waste management.

"I still use the knowledge I gained during my PhD to develop microbial enzymes to recycle industrial effluents," says Parameswari, who has worked in the industrial consultancy and research department of R V S Institute in Thanjavur and as the R&D head at J B Nag Water Technologies, a waste treatment company. She says she has also done a performance audit report for the Pollution Control Board under former director Dr Rayudu. She is currently working as project manager in Exnora International and also does consultancy work for water treatment

CONTACT US:

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(0)9566376690 | (0)8220227745

Email : **drparams2014@gmail.com ,info@bionicsenviro.com ,**
kshasikumar@hotmail.com

Website : **www.bionicsenviro.com**

Contact Person: **Dr.M.Parameswari Sasikumar, PhD Agri., ExecutiveDirector,**
Mr.K.Sasikumar, MCA - Managing Director

CONTACT OUR TECHNICAL TEAM:



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Publication: The Times Of India - Chennai; Date:2009, May' 28; Section: Times City; Page Number: 4

'I use my knowledge gained during my PhD to recycle effluents' Parameswari Shasikumar Page 1 of 1,
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- 1. Parameswari. M. 2013. Evaluating the impact of textile and dye effluent irrigation and amendments on major nutrient nitrogen status of soil under maize crop. Elixir International J. 65:20174-76. Current Index Copernicus, Poland Value (ICV) is 5.09. ISSN: 2229-712 X.
- 2. Parameswari. M. 2013. Impact of textile and dye industry liquid and solid waste and amendments on potassium status of soil under sunflower crop. Elixir International J. 65:20180-82. Current Index Copernicus, Poland Value (ICV) is 5.09. ISSN: 2229-712 X.
- 3. Parameswari. M. 2013. Evaluation of textile and dye industry liquid and solid waste and amendments on exchangeable magnesium content of soil under sunflower crop. Elixir International J. 65:20177-79. Current Index Copernicus, Poland Value (ICV) is 5.09. ISSN: 2229-712 X.
- 4. Parameswari. M and C. Udayasoorian. 2013. Influence of textile and dye effluent irrigation and amendments on Micronutrients Iron and Copper status in soil under Maize crop. INT. J. Cur. Tr. Res. (2013) 2(1):163-167. ISSN 2278-8042
- 5. Parameswari. M and C. Udayasoorian 2013. Effect of textile and dye effluent irrigation and amendments on exchangeable calcium and magnesium content of soil under maize crop. INT. J. Cur. Tr. Res. (2013) 2(1):132-135. ISSN 2278-8042
- 6. Parameswari. M and C. Udayasoorian 2013 Impact of textile and dye industry liquid and solid waste and amendments on phosphorus status of soil under sunflower crop. International Res. J. of Biol. Sci. Vol. 2(6) ISSN 2278-3202.
- 7. Parameswari. M 2013. Vermicomposting of textile and dye sludge with carbonaceous materials and its carbon and nitrogen status, Elixir International J. 66: 21104-05. Current Index Copernicus, Poland Value (ICV) is 5.09. 64A (2013) 19477-19480. ISSN: 2229-712 X.-
- 8. Parameswari. M 2013. Vermistabilisation of textile and dye sludge with organic wastes and its phosphorus and potassium value. Elixir International J. 64A (2013) 19473-19476. Current Index Copernicus, Poland Value (ICV) is 5.09. ISSN: 2241-712 X
- 9. Parameswari. M 2013. Micronutrients zinc, manganese, iron and copper status of sunflower cultivated soil under textile and dye effluent and sludge application with amendments. International J. Of Appli. and Natl. Sci. (IJANS); ISSN: 2319-.
- 10. Parameswari. M 2013. Textile And Dye Industry Effluent, Sludge And Amendments On Dehydrogenase And Phosphatase Activity Of Soil Under Sunflower Crop. International J. Of Appli. and Natl. Sci. (IJANS); ISSN: 2319-4022.
- 11. Parameswari. M 2013. Textile and dye industry effluent, sludge and amendments on heavy metals chromium, nickel, cadmium and lead status of maize cultivated soil International J. Of Appli. and Natl. Sci. (IJANS); ISSN: 2319-4022.
- 12. Parameswari. M, Sumathi. M, 2012, Nitrogen transformation during composting of poultry waste, International conference on Biologically Active Molecules (ICBAM 2012). 98-113 Organized by Department of Chemistry, Gandhigram Rural Institute-Deemed University, Dindigul, TamilNadu, India Title of the Research Papers Accepted
- 13. Parameswari. M and C. Udayasoorian (2012) Evaluating The Nitrogen, Phosphorus and Potassium Phytoremediation Efficiency Of Sunflower In Textile And Dye Effluent Polluted Soil Habitat. WATER R&D. Vol.2, No.1, 2012
- 14. Parameswari. M and C. Udayasoorian (2012). Impact of various concentration of textile and dye effluent and sludge on soil fertility, growth and yield of maize crop. RASAYAN J. of Chemistry. vol-5, No.3, July-September (2012) ISSN No.0974-1496.
- 15. Parameswari. M and C. Udayasoorian. 2013. Impact of dye effluent irrigation with amendments on Micronutrients zinc and Manganese status in soil under sunflower crop. Elixir International J. Current Index Copernicus, Poland Value (ICV) is 5.09. ISSN: 2229-712 .

National Journal Research Papers Published

- ❖ Parameswari. M and C. Udayasoorian (2013) Impact of textile and dye effluent irrigation on the cereals like Paddy and Maize crops and its growth parameters Journal of Environmental Science and Sustainability (JESS) Vol.1 (2): 69 – 73, 2013. ISSN: 2321-5577.
- ❖ Parameswari. M and C. Udayasoorian (2012) Impact of textile and dye effluent irrigation on germination and its growth in cereals. Res. Environ. Life Sci., 6(2) 69-72 (2013). ISSN: 0974-4908.
- ❖ Parameswari. M and C. Udayasoorian (2013) Influence of different concentration of textile and dye effluent and sludge on soil fertility, growth and yield of maize crop. Journal of Environmental Science and Sustainability (JESS) Vol.1 (2): 61 – 65, 2013. ISSN: 2321-5577
- ❖ Parameswari. M and C. Udayasoorian (2013). Evaluation of textile and dye industry liquid and solid waste and amendments on Exchangeable magnesium content of soil under sunflower crop,. Journal of Environmental Science and Sustainability (JESS) Vol.1 (3): 89 – 92, 2013. ISSN: 2321-5577.
- ❖ Parameswari. M and C.Udayasoorian (2013). Vermicomposting of textile and dye sludge with carbonaceous materials and its carbon and nitrogen status. Journal of Environmental Science and Sustainability (JESS) Vol.1 (3), 93-96 2013. ISSN: 2321-5577
- ❖ Parameswari. M 2013. Phytoremediation efficiency of sunflower crop under polluted soil habitat irrigation with textile and dye industry effluent and sludge with amendments. Res. Environ. Life Sci. 6(4)125-128 (2013). ISSN: 0974-4908 National Research Papers
- ❖ Parameswari. M 2013. Influence of dye effluent irrigation with amendments on micronutrients like zinc and manganese status in soil under sunflower crop. Journal of Environmental Science and Sustainability (JESS) Vol.2 (3): 59-61, 2013.
- ❖ Parameswari. M. and C.Udayasoorian (2013). The impact of textile and dye effluent irrigation and amendments on phosphorus status of soil under maize crop, Environmental Science: Processes & Impacts.
- ❖ Parameswari. M and C. Udayasoorian 2013. Textile And Dye Industry Effluent, Sludge And Amendments On Dehydrogenase And Phosphatase Activity Of Soil Under maize crop. Journal of Environmental Research And Development .

Research Papers Presented

- ❖ Parameswari.M, S.Avudainayagam, 2004, Ammonical nitrogen concentration during poultry waste composing,National seminar on New frontiers of soil science Research towards sustainable Agriculture (NEFROSSA- 2005) Dept. of soil science , Annamalai university & UGC
- ❖ Parameswari.M, S.Avudainayagam, 2004, Organic Farming, National seminar on conservation of agro – biodiversity in India – The Role of stakeholders. Dr.G.R. Damodaran College of Science, Cbe, Ministry of Environment and Forest, Govt. of India.
- ❖ Parameswari.M, Avudainayagam.S, 2005, Reduction of ammonia volatilization during composting of poultry waste, National conference on frontiers in Environmental sciences & Engineering in India. Dept. of Env. Sci. Bharathiyar Univ. ,Cbe & National Environmental Engineering Research Institute, Nagpur.
- ❖ Parameswari.M, Avudainayagam.S, 2005, Changes in calcium and magnesium content during composting of poultry waste. National symposium on Microbial Technology for productive Agriculture. Dept. of Agricultural Microbiology, TNAU, Cbe.
- ❖ Parameswari.M, Avudainayagam.S, Nithyadevi .A, 2005, Aerobic composting of poultry waste with microbes for reduction of ammonia volatilization , 4th National level biological congress on biotechnology – A Boon to Humanity – 2005 , C-23 Muthayammal College of Engineering,Namakkal. CSIR New Delhi, TNSCST Chennai.
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