



BiOMATiX[®]
E C O S O L U T I O N S

A Clover Organic Company

CONSERVATION OF NATURAL CAPITAL

Eco-Intelligent Wastewater & Solid
Waste Management, Inspired by Nature.

ABOUT US

Over the last 17 years, our parent company, Clover Organic Pvt. Ltd., has been advancing regenerative agriculture across 10 states in India. Through this journey, we identified that waste management plays a critical role in protecting the very natural resources that sustain organic farming. Both solid waste and wastewater directly threaten soil, water, and food systems.

In response, Clover pioneered scientific and innovative waste treatment solutions rooted in the principles of biomimicry. Our ecological interventions have earned recognition from leading institutions. Clover's in-situ bioremediation technology for drains has been appreciated by industry experts, including the Central Pollution Control Board (CPCB), New Delhi.

This led to a major implementation for a drain treatment project in Uttar Pradesh. In 2014, Clover successfully rejuvenated a lake in Delhi in partnership with Delhi Development Authority (DDA). The transformation in water quality was widely acknowledged, as reflected in the certification issued by DDA. To further strengthen and scale this mission, Biomatix was established in 2021 as a focused sister concern dedicated to comprehensive solid waste and wastewater management. Since its inception, Biomatix has made significant advancements in both domains.





We initiated a pilot project with the National Institute of Hydrology (NIH), Roorkee, to enhance the in-situ bioremediation model conceptualized by Clover. The documented outcomes show substantial reductions in BOD, COD, and coliform levels, reinforcing the efficacy of our approach.



Biomatix has invested extensively in R&D to formulate specialized microbial products that support aerobic and anaerobic treatment, reduce ammoniacal nitrogen, minimize sludge and algae formation, and enhance overall treatment efficiency. These products are regularly used by private-sector clients to achieve improved wastewater compliance.



In addition to product supply, our team provides hands-on training and consultancy services across ETPs and STPs. These interventions help industries reduce operational costs, maintain compliance with CPCB standards, and address challenges such as odor control and sludge accumulation.



Biomatix has also developed complete SOPs for water body rejuvenation, which we implement independently or in collaboration with aligned partners. Unlike conventional service providers that focus solely on cleaning water



Biomatix supports natural ecological recovery. Our approach lowers long-term maintenance costs while restoring beauty, biodiversity, and community value.

WHY BIOMATIX

A) Effective and Proven Solutions : Our wastewater treatment solutions are designed to deliver measurable advantages:

Affordability:

Lower capital and operational expenditures compared to conventional treatment systems.

Ease of Maintenance

Simple operation with minimal maintenance needs for lakes, ponds, and in-situ drain bioremediation.

In-house R&D:

Our laboratories enable microbial isolation, testing, and development of customized treatment solutions for client-specific challenges.

Odour and Vector Control:

Significant suppression of foul smells and reduction in vector populations such as flies and mosquitoes, contributing to improved public health conditions.



B) Advanced and Reliable Products: Each product we offer is developed through years of research, validated through rigorous in-house and external testing, and refined to ensure consistent and superior performance. Any required modifications are rapidly implemented, ensuring clients always benefit from optimized solutions.



OUR PRODUCTS

Our product range represents the culmination of years of intensive in-house research, field-scale validation, and applied innovation in biotechnology and environmental engineering. Each solution is scientifically formulated using advanced microbial consortia, enzymatic pathways, and optimized carrier systems to ensure superior efficacy, adaptability, and reproducibility across diverse industrial applications.

Through systematic R&D protocols, pilot testing, and performance benchmarking, we have achieved products that demonstrate consistent results in varying load conditions and complex effluent matrices. The technology platform focuses on enhancing biodegradation efficiency, reducing operational costs, and ensuring compliance with stringent environmental regulations.

Our commitment to innovation, quality assurance, and sustainability enables us to deliver scalable, data-backed solutions that align with evolving industry standards and the global shift toward environmentally responsible practices.



NatureVel®-WW

Aerobic Sewage Treatment Plants

Benefits:

- 1) Reduces BOD, COD, TSS, and coliform count to a large extent
- 2) Reduces electricity & chemical costs in STPs/ETPs
- 3) Degrades tough bio-degradable compounds
- 4) Works under high TDS wastewater as well
- 5) Increases settling of suspended organic matter through increase in floc formation
- 6) Controls excess foaming and sludge bulking
- 7) Carries out colour reduction in wastewater
- 8) Reduces sludge volume by 30–40%
- 9) Suppresses foul odour by reducing Ammoniacal Nitrogen and other harmful gases
- 10) Helps meet CPCB norms more stringently
- 11) 100% safe and chemical free product



NatureVel®-SW

Composting Agent

Benefits:

- 1) Converts biowaste and organic waste into nutrient-rich compost within 35–40 days.
- 2) The resulting compost contains a higher percentage of organic nutrients.
- 3) Suppresses foul odour and reduces vector population.
- 4) Composting can be done without the use of cow dung.
- 5) Suitable for both industrial and agricultural composting.
- 6) 100% safe and chemical-free product.



Biomatix®-Drain

In-Situ Drain Treatment

Benefits:

- 1) Reduces BOD, COD, coliform count, and TSS in flowing sewage water.
- 2) Suppresses foul odour effectively.
- 3) Leads to a significant reduction in sludge volume over time.
- 4) 100% safe and chemical-free product.



Biomatix®-MLSS

MLSS Booster

Benefits:

- 1) Rapidly develops MLSS (Mixed Liquor Suspended Solids) in wastewater treatment plants.
- 2) Reduces commissioning time for new or seasonal plants.
- 3) Eliminates the need for difficult-to-handle materials such as cow dung, raw sewage, or chemical fertilizers.
- 4) Increases MLSS to maintain a balanced Food-to-Microbe (F/M) ratio.
- 5) Contains a broad spectrum of fast-growing microbes adaptable to a wide range of effluents.
- 6) Performs effectively under low DO and anoxic conditions.



NatureVel[®]-Ecopond

Water & Soil Probiotic

Benefits:

- 1) Prevents excess feed from accumulating at the bottom of the pond, resulting in a significant reduction of sludge.
- 2) Strengthens the aquatic ecosystem and degrades soluble organic matter.
- 3) Enhances dissolved oxygen (DO) levels and improves overall water quality.
- 4) 100% safe and chemical-free product – does not contain antibiotics or harmful hormones.



MicroCon[®]

Microcystis Controller

Benefits:

- 1) Controls Microcystis populations in water bodies that can be toxic to aquatic life
- 2) Maintains water transparency, allowing better light penetration.
- 3) Prevents depletion of dissolved oxygen (DO) levels caused by Microcystis growth.
- 4) 100% safe and chemical-free product.



BIOMATIX TESTIMONIALS

They delivered an efficient turnkey Effluent Treatment Plant using bio-engineering, helping us cut costs by 12% while fully meeting CPCB discharge norms. –

**SADAST CORN PRODUCTS
PVT LTD**

They treated our 600 KLD ETP with Nature Vel-WW, achieving 42% reduction in BOD/COD, better DO levels, and odour control. Excellent service and support. –

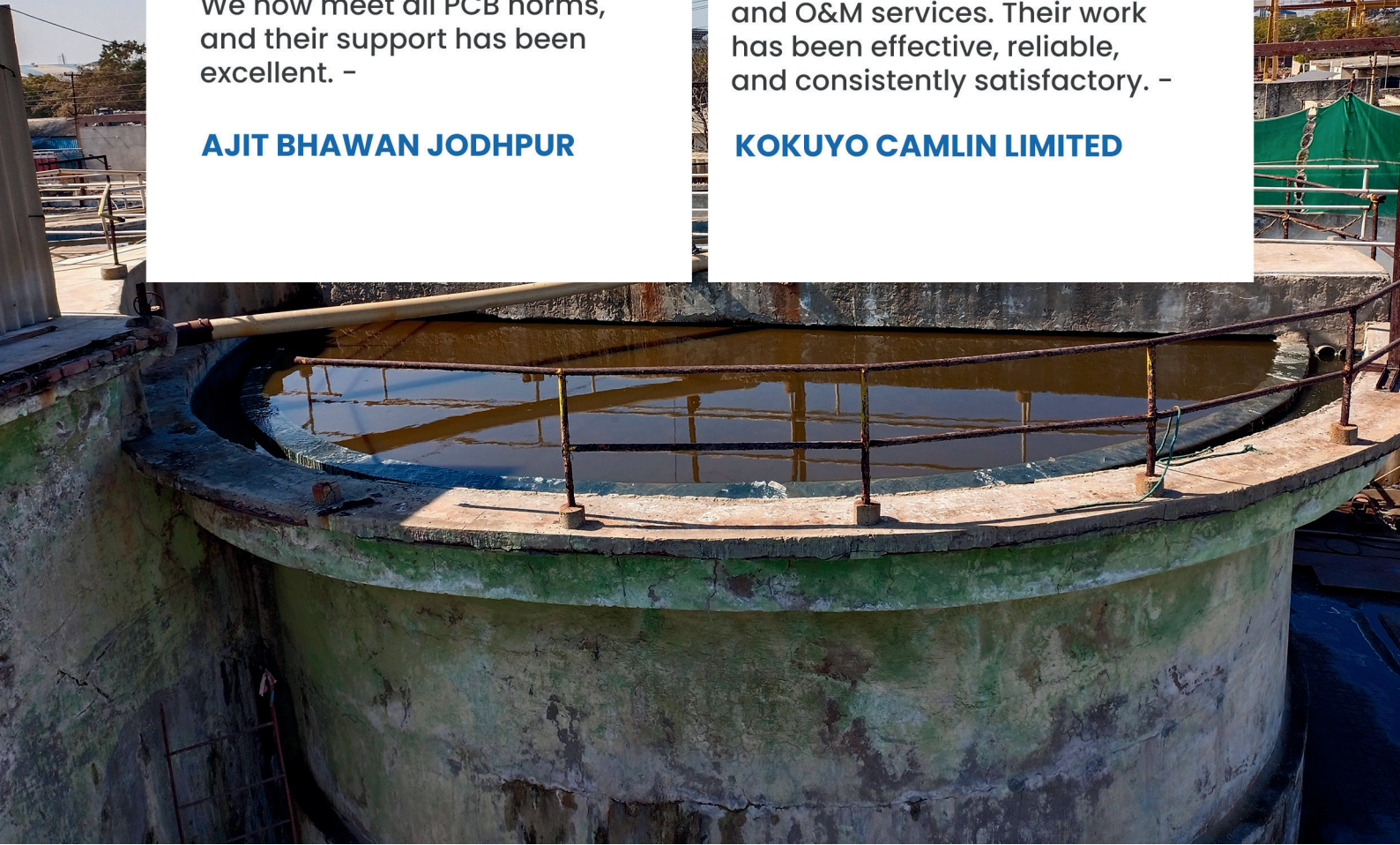
SAB MILLER LIMITED

They refurbished our STP, enabling safe water recycling, odour control, and cost savings. We now meet all PCB norms, and their support has been excellent. –

AJIT BHAWAN JODHPUR

They manages our 35 KLD ETP at Kokuyo Camlin, Tarapur, through bio-augmentation and O&M services. Their work has been effective, reliable, and consistently satisfactory. –

KOKUYO CAMLIN LIMITED



NatureVel-WW gave 90% BOD /COD reduction, better DO, and odour control within 11 days. We now reuse treated water for gardening. Excellent support and service. –

PROCTER & GAMBLE

NatureVel-WW improved MLSS generation and overall ETP performance in our 5.5 MLD plant. Their after-sales service has been excellent. –

SHREE BHAWANI PAPER MILLS LTD.

They have been providing consultancy for our Sewage Treatment Plant since November 2013. We are satisfied with their service and responsiveness and wish them continued success. –

**THE DOON SCHOOL
DEHRA DUN**

The load reduction during application of NatureVel-WW clearly indicates that it takes care of fluctuation of load.

ION EXCHANGE(I) LTD.





CLOVER ORGANIC PVT LTD

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information

