An urgent proposal by Dr. Teruo Higa

The Coronavirus Pandemic (COVID-19) and a Third Way: Part 2

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*This column describes the possibilities of EM technology in an emergency situation from the perspective of Dr. Higa as an academic.

In the previous issue, I presented a specific example of a method through EM technology for strengthening the immune system of the human body and environment by utilizing various revitalizing effects of EM as a countermeasure to the new type coronavirus infectious diseases. The new coronavirus does not lose its infectivity even in high-temperature areas and remains active even under a strong acidity of pH 3.0. Therefore there may be some doubts about the effects of EM at pH 3.5, but as clearly shown in the "Summary and Discussion" in the previous column, even if EM・1 at pH 3.5 is diluted to the level of pH 4.3, the influenza virus is inactivated in 5 seconds at room temperature (a 1:100 dilution is also effective).

I think that it is best to assert that this functional property is related to the antiviral action of the phototrophic bacteria contained in EM・1, and there is also a correlation between the number of times of application of EM・1 and the viruses of animals and plants actually infected with viruses. The same is true not only for viruses, but for other measures against harmful microorganisms utilizing EM・1 as well.

This background has given rise to the idea that one should continue using EM until it becomes effective, and this idea is the basis for ensuring the success of EM technology.

As I have repeatedly stated, the principles of EM dissemination activities are that it is "safe and easy to use," "low cost and high quality," that it creates "good cycle sustainability" and "creates a society with a high degree of well-being." The first step is to use high quality and highly functional EM throughout the world, as freely as one might use air and water. Most illnesses can be resolved by thoroughly using EM in dams, water sources and water systems.

At the same time, when EM is used in a sewage treatment system, it will be easy to not only purify rivers and seas but also enrich the biodiversity of the hydrosphere and actively restore fishery resources.

When EM is utilized, not only humanure and raw garbage, but also any organic waste can be transformed into the best organic fertilizer at minimal cost in a short period of time. When waste plastics, too, are mixed with EM ceramics and burned, dioxin is not generated and they become an extremely high-quality energy source. Microplastics as well as plastics problems can be easily solved.

The CO2 problem is as I described in my article #151. The versatility of EM has been already proven as well as the results of measures against radioactive contamination in Fukushima. However, the reason why such a great thing isn't more widely used is because most experts stick with the second way, thinking problems can be solved merely by improving on an extension of technology of the past.

All the problems that are occurring in the region today are self-contradictory collapses that go beyond the boundaries of established ideas and vested interests. This new coronavirus started in the medical field but has begun to fundamentally disrupt the traditional economic, social and educational systems. This is a highly symbolic phenomenon.

So what is the remaining way? Is it, like Brazil and Belarus, to do nothing in response and allow the new coronavirus to get rid of the elderly and the sick in order to regenerate the nation? Or is it, like Turkey, to actively, from the beginning, use medicines that seem effective? Or will we develop vaccines based on existing knowledge and continue fighting until we reach herd immunity? Taking advantage of the various contradictions the new coronavirus has revealed, the move has inevitably begun toward using IT and AI systems to dramatically improve the efficiency of education, work, distribution, and economic and social structures.

From a quantum mechanics point of view, any worst-case phenomenon will necessarily and inevitably occur from various backgrounds, suggesting the elimination of conventional self-contradiction. What this means is that the Third Way, like a voice from above, is the essential solution.

I am confident that if agriculture exerts its fundamental essence, it will be able to actively protect food, environment, human health, natural resources and biodiversity, and in this series and in my articles on Living a Dream (*Web Ecopure* in Japanese) I have made many proposals and have been creating model cases.

For that purpose, it is essential to utilize microorganisms that have high functionality and energy conversion ability, not only for agricultural land but also for the environment as a whole, but most agricultural research moves in the opposite direction. This mismatch is because researchers are ignorant of true agriculture and amateurs in the field are fiddling around with statistical processing.

All living things have a volitional personality, are probabilistic in nature, and depend on the ability of the person who handles them. In addition, it is considered common sense that agriculture keeps using the same soil in the same place for many years. Generally speaking, if soil is used for many years, it will steadily decline in quality. Anyone who continues to use chemical fertilizers and pesticides will fall into that trap. In contrast, if soil management is carried out such that beneficial microorganisms such as EM increase, the soil fertility will improve year by year, and it will be very easy to cyclically and easily return all organic matter to the soil in the short term. That is, there is no need to make conventional compost as in the past, and chemical fertilizers, pesticides, deep plowing, etc. are completely unnecessary. In other words, it is the Third Way remaining for agriculture.

The information this time and in the last column time is mainly for people who already know EM; if you stick to EM life, you can protect yourself. It is wise for humankind to take this new

coronavirus pandemic as a voice from above to choose the Third Way in all fields, as a necessary consequence and as a fundamental response.

River Purification Project on Sapato River, State of Bahia, Brazil - Article

Ações para despoluição do Rio Sapato mostram resultados positivos

postado por LF News | Encontro: novembro 19, 2019 |
dentro: Destaques, Meio Ambiente, Municípios

News from the River Purification Project on the Sapato River in Salvador, Brazil: lfnews.com.br: ***Purifying the Sapato River shows good results***

Sapato River in Lauro de Freitas City Began to Show Signs of Recovery – Article

An article introducing project results in Lauro de Freitas City, State of Bahia:
*Lauro de Freitas HP: **Sapato River in Lauro de Freitas City began to show signs of recovery***

Water Treatment Project in Sapato River, Brazil – Courtesy of AMBIEM

Applying EM from the eight locations on the river, and an ongoing water purification project covering a wide area of approximately 200,000 ha.

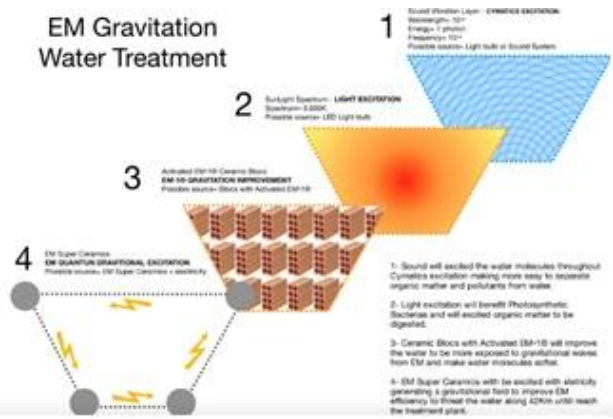
Water Treatment Project in Sapato River, Brazil – First Phase

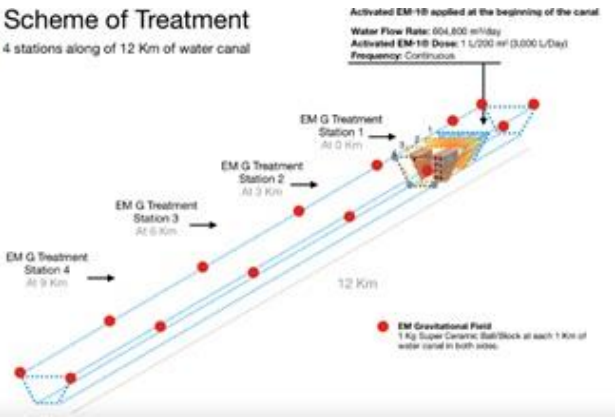
Water purification by applying Activated EM・1 from the river (already started)

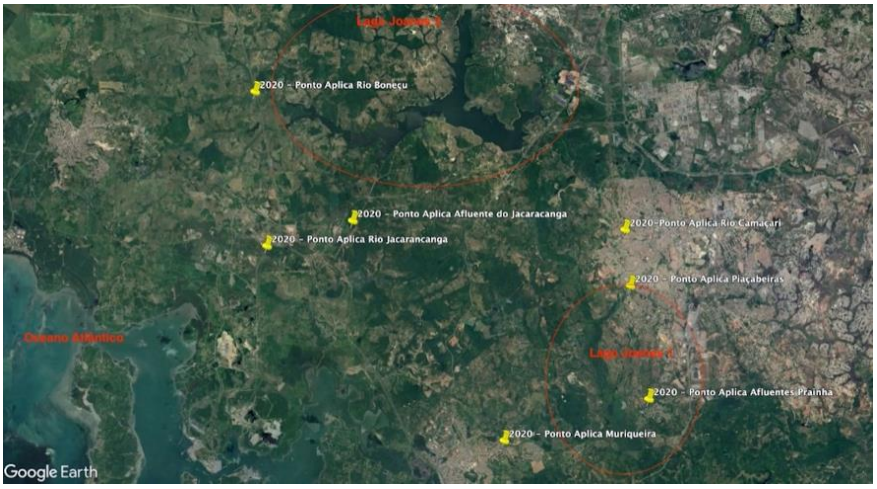
Started to apply Activated EM・1 into the 8 places indicated by pins

Water Treatment Project in Sapato River, Brazil - Second Phase (Plan)

Based on the results of the first phase, rectified EM filter is installed in the most polluted river (the one with a large amount of sediment)







Plan to install in the river (Sapato River) that flows into the Atlantic Ocean at the bottom right of the screen.

Proposing a purification project with community volunteer participation

A Global Model of Australia's Townsville City that is Promoting the Third Way with EM Aiming for a Good, Sustainable Cycle of Agriculture and Environment – Courtesy of VRM

Bio-Remediation Products

- Starter Culture
- Digester Plus
- Fortified Inoculant
- Seeding Agent

Purification of wastewater from a large-scale sugar mill

Achieves purification of downstream seas and restoration of bioresources (municipal sewage is treated by a similar system)

Sugar Mill waste water before & after VRM inoculum spray

Composting

- Starter Culture 1litre:10m³
- Seeding Agent 1litre:10m³

A large-scale composting factory utilizing EM Technology

VRM Bio-Logik

Bio-fertilisers and Soil conditioners

Increased Nutrient Uptake
+ Greater Soil Microbe Activity
+ Less loss to Run-off

= MORE $ TO THE FARMER

and it's **ECO-FRIENDLY**

Compost and wastewater treated with EM applied to sugar cane