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The Man Behind The Mission

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INHANA ORGANIC RESEARCH FOUNDATION (IORF)

The Man behind the Mission

“A person can rise through the efforts of his own mind; or draw himself down in the same manner. Because a man's own self is his friend; a man's own self is his foe.”

- Lord Krishna, in Shrimad Bhagwat Gita

Quite unarguably, human mind is the most beautiful and yet the most mysterious creation of the Supreme Being. The modern-day western science and technology has been gasping to fathom the real possibilities of human mind over the last few centuries. On the other hand, the multi-millennia old Sanatan philosophy of India gives us a profoundly comprehensive understanding of the human mind, along with its consciousness, which we rarely study in this cosmetically fast paced existence of our present times.



Increasingly we have conditioned ourselves to channelize the efforts of our own mind towards materialistic pursuits. This holds true for an overwhelming majority of us.

Yet, there remain very few among us who choose to be different. Consciously!

Otherwise, it is quite difficult to find the rationale behind a young pharmaceutical professional – in his mid-30's and in the midst of a successful

corporate career – leaving his financially secured future and plunge into the uncertainties of scientific research based entrepreneurship. His academic and financial background did not rationalize this plunge either! However, it was the singular effort of his mind. The mind of Dr. Phalguni Das Biswas.

Despite his formal academic background in the human health arena, he developed (and still holds) a deep appreciation of plant physiology as a supremely efficient living system that alone (as an endowment from the Mother Nature) can utilize solar and naturally available chemical energies and transform them into nutritious food – fit to be consumed by all living beings, irrespective of their hierarchical position in the food chain. The unique mind of



Dr. Das Biswas had the realization that every component of the plant physiology is designed to perform in an individual, interrelated and integrated manner for the benefit of the overall plant – which is beyond the interpretational limits of compartmental knowledge system of occidental agricultural science. This led him towards a diligent study of our ancient Indian scriptures devoted to botanical sciences or *brikshayurveda*.

India has an extremely long and rich heritage of agriculture, evolved in tune with the seasonal rhythms and balances of nature, that was blown away by the maelstrom of the demands of global marketplace right after our independence from the colonial powers. This was inevitable since there was no proper

documentation of the principles and practices followed by Indian agriculturists before the advent of chemical farming.

Dr. P. Das Biswas; in his search for a 'True Alternative' to this chemical-intensive farming, while realizing its dearth; sought knowledge from the vast ocean of ancient Indian wisdom. He tried to draw the essence of 'Indian philosophy' underlying our age-old practice of harnessing 'Mother Earth' for producing food. This quest for the origin of the evolution of all life forms opened up the doors of the “true science” and he was enlightened with the significance of energy in the functioning of our universe – a milieu of flora and fauna, in symbiotic coexistence. This led to the final understanding of 'Element Energy Activation (E.E.A) Principle'; and the mechanism of Energy Assimilation by different species of plants.

He realized that every living being inherently has the required energy for its desired sustenance, but that remains deactivated under stress due to the present day negative interventions – whether self-induced, or administered. Hence to restore the lost qualities of the living being, only these energies were to be provided at the right time and in the desired manner. This realization laid the foundation of INHANA, the name being derived from the concept of 'IN HArmony with NAture'.

Hence, the ultimate objective was to find out effective solutions for the present agricultural ecosphere, which was floundering due to gradual depletion in Soil and Crop Productivities within a few years of green revolution. He developed organic formulations for selected unresolved problems of agriculture like disease management, efficient potash uptake etc. But it was soon realized that in order to improve the Crop Yield Potentials while mitigating the negative impacts of Chemical Farming; a Comprehensive Organic Package of Practice needed to be developed. His understanding, rooted in the “Element Energy Activation (EEA) Principle”, combined with his unshakable adherence to modern scientific approach led to the development of the path-breaking Inhana Rational Farming (IRF) Technology.

The name was chosen because IRF Technology is “**RATIONAL**” not only to Plant Physiology but also to Plant Philosophy. IRF Technology does not entail cessation of the chemical inputs only, but is a concept where Sustainability, Ecological and Environmental concerns are intertwined together in a circle, which promises to bring prosperity without exploitation and in tune with the environmental spirit.

IRF Technology primarily aims at revitalization of the Plant System through infusion of the required energy components – the sole limiting factor in the plant physiology. This roadmap came from 'Element-Energy Activation (E.E.A) Principle' through which various Inhana 'Energy Solutions' were developed to attend to specific energy requirements of the plant system. Dr. Das Biswas also realized that as food forms the bedrock of a civilization, and a sustainable future cannot be protracted on Deactivated Soil Systems. Hence, to attend to the objective of **SOIL HEALTH DEVELOPMENT** under IRF Technology, Dr. Das Biswas developed Novcom Composting Technology. Novcom compost, the end product of this quickest biodegradation process, is a powerful soil amendment tool that infuses life to the over-exploited “Lifeless Soil” – through its incredibly higher concentration of self-generated microbial life forms (to the order of 10^{16} c.f.u/g vis-à-vis 10^{12} c.f.u/g in other composts) – towards regeneration of 'Soil Biological Productivity'.

This dual approach of Soil Health Management and Plant Health Management makes IRF Technology based package of practices (PoP) the most comprehensive approach towards truly Sustainable Agriculture – that can tangibly deliver Economic Sustainability (for the producers and consumers through no reduction in crop-yield and no increase in cost prices) and Ecological Sustainability (by eliminating usage of toxic chemicals in agriculture which not only affect the ecosystem adversely, but also go on to emit dreaded greenhouse gases) at the same time.

Over the course of the last two decades and more, Dr. Das Biswas has practically demonstrated astute dedication towards scientific rigour, coupled

with prolific financial management, to steer IORF through the rough waters of its infancy. This has enabled this unique “not-for-profit” research organization to take up seemingly unattainable projects towards safe and sustainable agriculture and turn them to success stories; waiting to be replicated far and wide across the agrarian world.

Dr. Das Biswas has developed an unparalleled technology that ensures SAFE & SUSTAINABLE FOOD in a TANGIBLE and TIME BOUND manner and in the process delivers impactful Climate Action in the Agriculture Sector – a first-of-its-kind Pathway towards the achievement of the two most crucial sustainability goals SDG 2 (Zero Hunger) and SDG 13 (Climate Change Action); that is being hunted by the global policy makers including the UN and FAO. Single-handedly he has been creating and validating this pathway over the last two decades; calling out to the entire humankind to build an avenue towards our own sustainable future.

“Access to Safe, Healthy & Nutritious Food is the Legitimate Right of All”

- Dr. Phalguni Das Biswas



Development of Climate Resilient ‘Clean Paddy Seed’ - to Empower the Farmers especially the Marginalized Land Holders in respect of Safe and Sustainable Clean Paddy Production.



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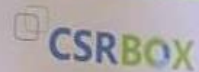
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Winner of the Award 'Best Innovative CSR Project' for IBM-IORF 'CLEAN FOOD' Project - 6th Edition Corporate Social Responsibility Summit & Awards 2022.



Office of the Principal Scientific Adviser
to the Government of India



WINNER in the CATEGORY 'ENVIRONMENT' of the 8th CSR Impact Awards, for IBM – IORF 'CLEAN FOOD' Project - by CSRBOX and Dalmia Bharat Foundation.

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