

Energy-Based Farming: The Future Way of Affordable Agriculture

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Abstract

Traditional agricultural practices were designed to have more harmony, integration and sensitivity towards environment and various natural ecological systems. These traditional systems are getting rapidly extinct over the past few decades. In the recent times, however, the demand for organic farming has gained a lot of voice and attention. Organic farming can create millions of jobs in the agro sector as it can spur over 30 per cent of employment per hectare as against non-organic farming which is a boon for developing and under-developed nations.

This paper introduces affordable and qualitative techniques of Siddha Krushi (Farming), derived from the experiments and research carried out by the sages of Siddha tradition more than 2000 years back. These researches were primarily based on subtle currents of light and sound energy which tune the orientation of the five element composition of the seed in accordance with surrounding environment such as soil, water, air etc. for improved quality and productivity of the crop. The three techniques which discussed in this paper are 1) Fire treatment, 2) Vibration treatment and 3) Healing (Cosmic Light) treatment.

The techniques discussed above are affordable and effective. A handful of farmers in Vidarbha region of state of Maharashtra, India have applied this to great effect and surprise. In the coming time these techniques combined with modern technology and knowledge will greatly serve the mankind.

Introduction

Culturally and traditionally, the South Asian region, which is endowed with unparalleled natural diversity, has had an agriculture based economy. The early inhabitants of this region realised this potential and directed their research to improve the agriculture quality and yield. The knowledge grew with time and various methodologies and techniques evolved as a result. A new thrust in this evolution came during the Vedic age which is considered as the golden period in the evolution of human race. Society was highly developed and organised during

that time and people were aware of the importance of community based living for the welfare of all. As a result there was peace, happiness and prosperity all around. This principle of prosperity applies to all agro-based nations. An educated, happy and prosperous farmer is a symbol of the prosperity of that particular nation.

The Vedic advice is ‘Get rid of gambling and learn the art of farming’. *Rigveda*, which is considered as the first among the four Vedas, has a mention of agriculture related texts at several places which show the level of development and organisation in the society during that period (1700-1100 BCE). The people during that period had farming and animal breeding as primary source of livelihood which holds true even today. The true native culture in south Asian region can be seen even today in the villages of this region.

Problem Statement

Due to high population density and growth, the natural reserves in the south Asian region are being exploited heavily thus rendering adverse impact on the environment despite the steep technological development. The real impact of this gradual exploitation that is going on over the decades is now visible.

Despite the unprecedented improvements in methodologies, processes and industrial tooling there is a long and growing list of challenges that the agro fraternity especially the farmers are facing in this region. Below are some of the key challenges presented in statistical terms to highlight the crisis:

Of the total available land area in the region about 54 per cent is the agriculture land out of which 74 per cent is arable land to fulfill the demand to feed nearly 1.60 billion people. There is imbalance from the global perspective where on one side there are countries with high user density, cheaper manpower but not enough land and on the other side there are countries having sprawling land but not enough man power. Both are challenges from the local perspective leading to a globally alarming situation of food insecurity.

Lack of proper knowledge (both traditional as well as modern) and awareness due to limited access to education on quality farming is one of the most significant challenges inhibiting the agricultural growth. The farmers are not able to adapt to the rapid nature of climate and market dynamics.

Prevalence of poverty and severe under-nutrition due to low per capita gross income results in lack of access to better technology and education for efficient agriculture. Majority of farmers are living below the poverty line and cannot afford quality seeds and supporting quality supplements such as fertilizers etc.

Heavy crop damage due to sustained increase in climate uncertainty over the last few years has become a recurring phenomenon. South Asia is bearing the maximum brunt of the impact caused due to climate change.

Lack of an effective action plan to handle this crisis situation properly is another menace.

Depletion of natural resources such as water, land, forest, soil etc. leading to a fall in crop quality and lower returns is driving farmers to look for alternate sources of livelihood.

Deepening energy crisis combined with increased tariffs have led to under supply of power to the farms affecting the quality and productivity of the crops.

As a result of these challenges, farmers are moving to urban cities in search of alternative professions thus increasing the pressure on urban infrastructure. Most farmers are keen to sell their crop land for real estate purposes to make quick money. Farmer suicides have become very common.

Solution – What can be done?

There are many steps being taken by the government, industries, NGOs and farmers themselves to overcome these challenges and improve the situation. The rapidly deteriorating conditions show that some of these steps are working while most are not.

Through this paper, we intend to introduce affordable, sustainable and environment friendly farming solutions which are based on traditional knowledge from the Pre-Vedic and Vedic ages. These solutions are based on sciences of subtle vibrations of light and sound energy. The *Siddha Krushi* methods are originated from the belief that was derived from the experiences of Vedic sages that all creations in this universe are interconnected with a universal energy field of subtle vibrations. This energy field acts as medium to transfer messages (energy charge) across each other for attaining harmony between the seed and the surrounding environment.

The above theory of passing messages through universal energy field to influence the characteristics was endorsed by Sir J.C. Bose, (Chandrashekar and Subbaraj 1996: 377-8) a famous physicist after whose name Bosons are named. Mr. Bose performed extensive experiments on biological (circadian) rhythms to study the response of living and non living objects especially on the plant physiology.

Most of this knowledge has either got lost or restricted to very few communities due to the unwritten nature of the text, lack of focus on education and improper safeguarding methods and policies due to which a large number of farmers today have no other option but to completely depend upon unaffordable modern technology.

These solutions have been researched, compiled, structured and packaged under the methodology titled *Siddha Krushi*, coined by Maharshi Arvind Foundation which is a NGO head quartered at Mumbai, India.

Heat, sound and light are three basic energies prevalent in the nature which govern all the activities in the bio physical and subtle domains. The techniques in *Siddha Krushi* methodology are designed for the application of these energies in a structured sequence for optimising and tuning of the Seed with the surrounding environment so that the seed responds well to the natural phenomenon. **Fig. 1** gives an overview of the techniques covered under *Siddha Krushi* framework in the given sequence.

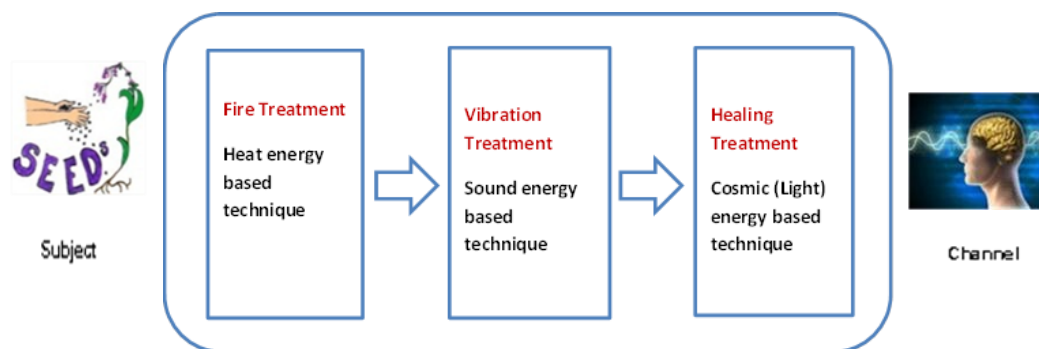


Figure 1: Siddha Krushi Framework

Seed is the central subject of attention in this framework. Stronger the seed immunity, higher will be the quality and production of the crop. The seed is highly vulnerable for infections during germination period hence treatment to safeguard the seed is absolutely necessary before the sowing process. The techniques designed in *Siddha Krushi* are aimed to strengthen the immunity of the seed in environment friendly ways.

Fire Treatment (Heat Energy-based technique)

This process is described in Atharveda as Vedic Organic Agriculture. *Agni* is the fire element which contains Space and Air elements as well. This technique is used for preparing the optimal environment for the germination and development of seed by maintaining the temperature and purification of the environment. It is conducted a day before sowing the seed. The heat generation is carried out by lighting fire in a specially designed earthen structure shown in **Fig. 2**.



Figure 2: Top End View of the Earthen Structure used for Generation of Heat Energy

Following natural principles are used in this process:

- Attracting energy from the Sun.
- Biorhythms of nature (Time of the day, season for e.g. Sunrise and Sunset)
- Sonic vibrations by chanting of specially designed seed syllables.
- Resonance impact in an area
- Thermodynamics (Burning of organic substances in the fire)
- Diffusion, Vaporisation and Condensation

Essentials

The fire pot as shown in **Fig. 2** is a stack of three squares. The largest square is at the base and smallest at the top. An earthen pot is fitted in the center of the squared structure. The two snakes like structures as shown in the diagram made up of copper are attached on the pot. Between the faces of the snakes both top and bottom, a trident shaped structure made up of brass is kept. Powder made up of herbal leaves, camphor, ghee made up of cow milk and dry wood (preferably mango) include other essentials.

Sound Treatment (Sound Energy-based Technique)

After the fire treatment, the sonic vibrations of sound are used to give vibration treatment to the seed. Specific structure of sonic patterns, coded in syllables and vowels are called as *Mantras*. The specific configurations of syllables and the corresponding combinations of phonemes in the *mantras* make the latter powerful ‘carriers’ of the cosmic energy of sound. The repeated chanting of these mantras builds up the impact of vibrations which penetrates into the subtle realms of the seed activating its genetic properties at cellular level.

In the Vedantic traditions sound is considered one of the most important principles of existence, as it is both the source of matter and the key to become free from it. It is regarded as the basic source of energy and motion existing in the universe. The existence of material world is said to have manifested from the cosmic impulse, the infinite bang of *Shabda* (Sound).

Power of Sound Energy

The scientific investigations on the existence and properties of sound waves indicate that the effects of sound could be as physical as those of the other forms of energy. The Doppler Effect is worth mentioning in this regard. The historical breaking of a bridge due to the superimposition of the cyclic sound created by the orderly footsteps of Napoleon’s army; Falls of several huge and stout bridges due to the synchronization of sound of noisy winds or noises of the surroundings – for instance, the falls of the Lao Bernard bridge in France in 1852 and 1871, the Ohio river’s bridge in USA in 1854 and those of its Niagara water-fall in 1864 and 1889, the bridge over Tacoma river in Washington, in 1940 – are some of the well known examples of this significant effect. Some German scientists are said to

have gained, during the time of First World War, the knowledge about the development of a weapon that could produce sound waves of a frequency higher than 10^5 vibrations per second. Such waves would ruin the targeted persons in less than a second because the resultant sonic effect would destroy the neurons of the subjects at a rate faster than that due to a high power direct electrical shock.

According to acoustic experts, even the harmonious tune of a musical instrument if repeated under appropriate synchronization (in terms of frequency, amplitude, intensity and rhythm) with other musical output (e.g. the tinkling sound of the bells in the ankle-ornament of a dancer) can result in the destruction of the stage set for the musical performance. Similar destructive effect could be observed by the orderly, superimposed high-intensity audible sounds. **Fig. 3** demonstrates the sonic vibration treatment.

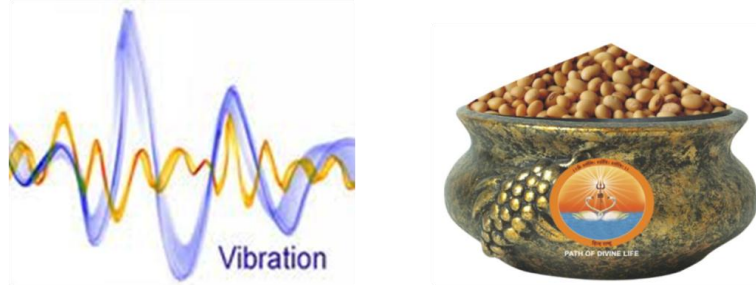


Figure 3: Vibration Treatment of Seed using Sound Energy

Essentials

- Seeds in a pot or vessel
- Any audio device capable of running the music file of specified Mantra for long hours.

Process

Place the pot(s) containing seeds in the East corner of the room. Please take care that the pot is not disturbed by anyone during the period of treatment.

Chant the specific string of syllables twice for 20 minutes in a day in the room where seeds are kept. One can keep the audio device playing the same mantra for the rest of the time.

While chanting keep the mind pure and full of positive thoughts. Visualise that the sound vibrations of the syllables being chanted are forming a positive energy field around the seeds and bringing positive changes in it.

Continue this process for 8 days.

Healing Treatment (Cosmic Light Energy-based Technique)

Just like a post-surgery process, comes the healing process. In *Siddha Krushi*, same concept is used where after the two processes of fire and vibrations; the healing treatment is given to complete the process. The human energy channel channelises the energy from the higher realms and redirects it to the subject; in this case it is the seed.

In Vedic literature, the cosmic energy field is divided into 14 levels called *Lokas*. With Earth as the center, seven of these fields are above (*vyarthis*) and seven are below the Earth (*patalas*). The fields below the Earth are inferior (negative) fields. Higher the level above Earth, more powerful and positive will be the energy field with stronger healing power. **Table 1** shows the association of *lokas*, planes of existence and consciousness.

Loka	Planes of existence	Planes of consciousness	Driving power	Astronomical regions
<i>Satya</i>	<i>Sat</i>	Infinite existence	Power of Supreme Intellect & pure consciousness	Entire Universe
<i>Tapa</i>	<i>Chit</i>	Infinite Consciousness		
<i>Jana</i>	<i>Anand</i>	Infinite Bliss		
<i>Maha</i>	<i>Vijana</i>	Intelligence and Intellect	Power of Truth	Inter galactic space
<i>Swah</i>	<i>Manas</i>	Mind, Emotions	Power of mind	Milky way galaxy
<i>Bhuvas</i>	<i>Prana</i>	Life	Power of Action, swiftness & direction	Earth's Solar System
<i>Bhu</i>	<i>Anna</i>	Food, Body, Matter	Power of will, resolution	Earth

Table 1: The Seven Planes of Cosmic Energy as per Vedic Tradition



Figure 4: Energy Channel doing the Healing

energy development and therapy course. In this course, the individual is initiated into energy and given the process, practicing which regularly, the individual can increase extra sensory capabilities to be able to connect with higher planes of consciousness and draw subtler levels of cosmic energy.

Essentials

Unlike the fire and vibration treatment processes, this process does not require any external instrument which is why the role of energy channel i.e. the individual assumes a lot more significance. The effectiveness of this technique depends significantly on the capacity and level of purity of mind of the individual at physical, mental, intellectual and spiritual levels.

Anyone who wants to become an energy channel needs to undergo the

Process

The channel should channelise cosmic energy into the seed every day for 8 days before sowing it. The channel needs to visualise the pure cosmic energy field around the seed at psychic level and as a result existing negativity (toxins, germs, composition imbalance etc.) inside the seed is reducing by way of outward movement of energy which is black in colour. The seed immunity is strengthening.

After sowing the seed, heal it daily for 40 minutes with a belief that it is acquiring nutrients from the surroundings such as soil, air and water (**Fig. 4**).

Things to take care of

Healing can be done at any time of the day though the early morning time of rising Sun is considered best as the pollution levels are lowest.

Avoid direct contact with metal or other human body or Earth as they are good conductors of energy.

Sitting posture should be such that the spinal column is straight and mental condition is calm.

Cosmic energy flow is very high when Brain is at Alpha level.

Avoid negative thoughts of greed, hatred, selfishness etc. as they interrupt the positive flow of energy.

Case study – Paddy crop

This case study is the experience of Mr. Sanjay Dumbhare, a farmer based in Bhandara district of Maharashtra, India. He used the Healing Treatment on the Paddy seed (*Jai Shri Ram -2*) and crop. At any point of time no chemicals were used. He attended the energy development course of Path of Divine Life's Self Development programme more information of which can be found at www.pathofdivinelife.org/courses and applied the knowledge acquired during monsoons of 2012. After 15 days of healing treatment the difference was noticeable when the crop grew into vegetative state. After one month the height of the crop was found to be on shorter side compared to other paddy crops in farms in the neighbourhood. It was infected by pests and the colour was pale yellow. He continued the healing process and sprayed liquid mixture of cow urine and water on the crop. After one and a half months the crop started gaining height and also turned greener and pest free than crops in the neighbourhood.

The finished crop's taste is also found to be much better than the inorganic one.

Some of the benefits of *Siddha Krushi* techniques as experienced by the farmers are mentioned below:

- *Siddha Krushi* is a low cost affordable solution. It saves money by reducing the amount spent on chemicals and increases productivity with higher quality.
- The treatment can be given from anyplace at anytime and does not require any instrument. Since there is no external instrument used hence there is no maintenance cost.
- *Siddha Krushi*'s Healing treatment given in a group, yields better results.

- By not using chemicals, it gives immense satisfaction that we are contributing to the nation's health.
- This is a double benefit treatment as it not only heals the seed but also the healing channel.

Note: Contact details of the farmer mentioned in the above case study are available on request.

Conclusion and Next Steps

Natural and Bio energy sciences are transforming the way World thinks and works. These sciences were researched a lot during ancient ages and experiences were preserved in the form of traditional knowledge. Food security is among the major challenges mankind is facing today. To have better food productivity, nutritional value and affordability, deciphering the science of natural energies is going to be a transformational step. *Siddha Krushi* opens a world of immense possibilities in this direction. Systematic researches in these fields will go a long way in addressing the solution to many related problems and create a new era of peace, prosperity and happiness on our planet.

As a next step, we propose that the unstructured research carried out by a handful of farmers in India can be given further support to be performed in a controlled environment so that a structured metrics can be produced for the experts to explore this interesting field further.

It offers possibilities of new ideas and inventions in the field of bio technology and nuclear genetics research.

Acknowledgements

We whole heartedly acknowledge Maharshi Arvind Foundation for providing us this knowledge and allowing to publish this in the public domain for the benefit of society. We also thank the SAARC Cultural Center for selecting this paper in the elite list of presentations for the SAARC Regional Seminar on Traditional Knowledge and Traditional Cultural Expressions. We are also grateful to Mr. Sanjay Dhumbare (the farmer) who performed the research and cooperated with us by providing the data for the publication.

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