

Vanya Food Forest

Natures Own Farming

Patanjali Jha

The hardest thing to see is what is in front
of your eyes.

- Goethe



Five impending calamities facing us - Cancer

- The MoS for Health in a written reply to a question in the Rajya Sabha revealed,

"As per the National Cancer Registry programme of the ICMR, one out of eight men has the possibility of developing cancer in his lifetime (0-74 years). Similarly, one out of nine women has the possibility to develop cancer in her lifetime (0-74 years)."

Five impending calamities facing us - Heat

- Rising Temperatures would make 9 cities unlivable in India in next 10 years.
- <http://www.hindustantimes.com/india-news/hotter-days-heat-stress-to-intensify-in-9-indian-cities-including-delhi-mumbai/story-Hbh46kbuvT3Hl5QPRfdXYI.html>

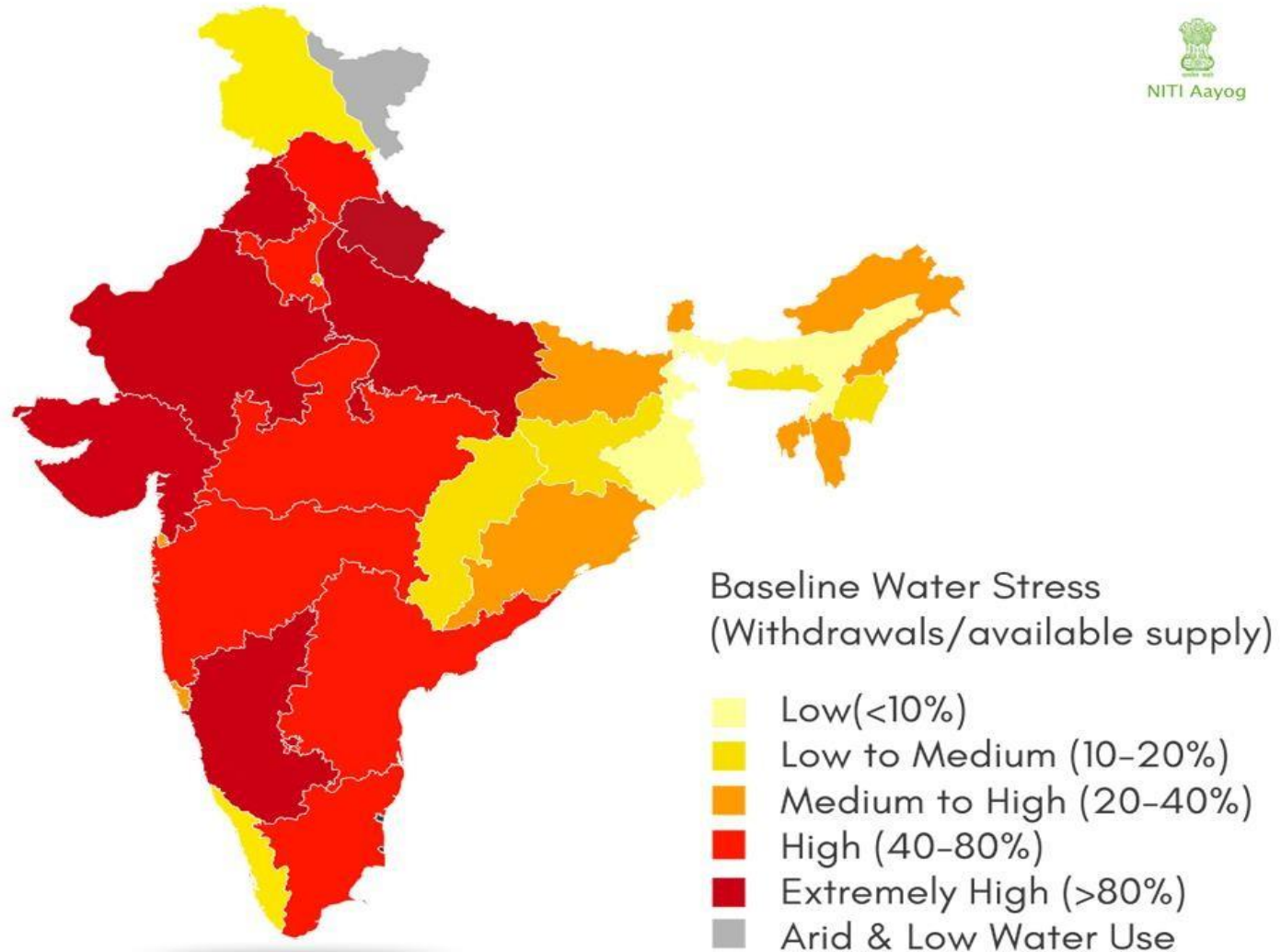
Five impending calamities facing us - Water



54% of India face high to extreme water stress.



70% of our water is contaminated. India is currently ranked 120 among 122 countries in the water quality index.



Five impending calamities facing us - Degraded Soil

- Large part of Indian soil most degraded with 30% and turning into desert - ISRO mapping over eight years
- <http://www.thehindu.com/sci-tech/energy-and-environment/%E2%80%98Almost-30-per-cent-of-our-land-undergoing-degradation%E2%80%99/article14474590.ece>

Five impending calamities facing us - Jobs

- Every month, a million Indians become age-eligible to join the workforce, but the growth in jobs has not kept pace with the rising number of aspirants.

<https://www.theatlantic.com/magazine/archive/2018/03/charles-mann-can-planet-earth-feed-10-billion-people/550928/>

Vetiver



- The best example of bio-engineering and solution to major environmental crisis.
- Other than its role of water harvesting, cooling mother earth, being a source of fodder and definite good source of ethanol/bio compressed gas, it can help in meeting carbon sink commitments of the country before 2030.

Why Vetiver

- Vetiver is the best example of bio engineering recognized by World Bank; China, Vietnam, Thailand, Australia, Senegal, USA.
- They all are applying vetiver in a big way for their infrastructure projects such as to stabilize the roads, railroads, canals, urban dumping sites, for water harvesting, water purification.
- India its country of origin is found wanting and is not doing anything serious
- Four vetiver slips is equivalent to one Poplar Tree for carbon sink, lowering temperature and other benefits of the trees.
- **It can be stabilized within two and a half months** especially during the monsoons and is a very tough plant withstanding all varieties of temperature and Ph level of soil in our country. Vetiver for increasing **ground water level**

<https://www.youtube.com/watch?v=e482unvd3uc>

Other than its role of water harvesting, cooling mother earth, being a source of fodder and definite good source of ethanol/bio compressed gas, it can help in meeting carbon sink commitments of the country before 2030.

- **Vetiver for carbon sequestration:** 1 square meter (0.3x0.5m spacing) of vetiver would sequester 15 kg carbon per year; 4.5 times more carbon than a fast growing poplar trees per unit area. (http://www.vetiver.org/TVNINDIA_1stWORKSHOP_PROCEEDINGS/Chapter%201-1.pdf)
- 1 square meter typically requires 50 vetiver slips.
- Indian commitment for **carbon sink as per Paris Agreement** is 2.5 - 3 Gt CO₂e by 2030.
- This implies that India has to create carbon sink of 3×10^{12} kgs i.e. 3 billion tonnes of carbon.
- In terms of no. of vetiver slips it translates to $(50 \times 30 \times 10^{11} / 15)$ i.e. 10,000 billion vetiver slips.
- In terms of area it translates to 200 billion square meter which is 2,00,000 sq.km. i.e. nearly 5,00,00,000 (5 crore) acres.

Vetiver for carbon sequestration

- All non cemented canals, highway slopes and partitions, railway lands, army lands can be covered with vetiver slips.
- The vetiver slips multiplies typically 10 times a year
- Therefore, starting with 10 crore vetiver slips in first year, by the end of sixth year, the target can easily be surpassed with the help of able hands of Eco Task Force, Forest Department, Paani Foundation, Sant Balwir Singh Seechewal, NGOs and all those committed to the cause.
- We have committed to provide 2 crore vetiver slips to Eco Task Force of which 150 lakhs have already been given at Eight different locations.

@VANYA - VETIVER & AGRICULTURE



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The pictures are from Vanya Farms



Pics on 06th May 2020.

Vetiver @ Vanya



Soil Erosion



RIVER BANK STABILIZATION



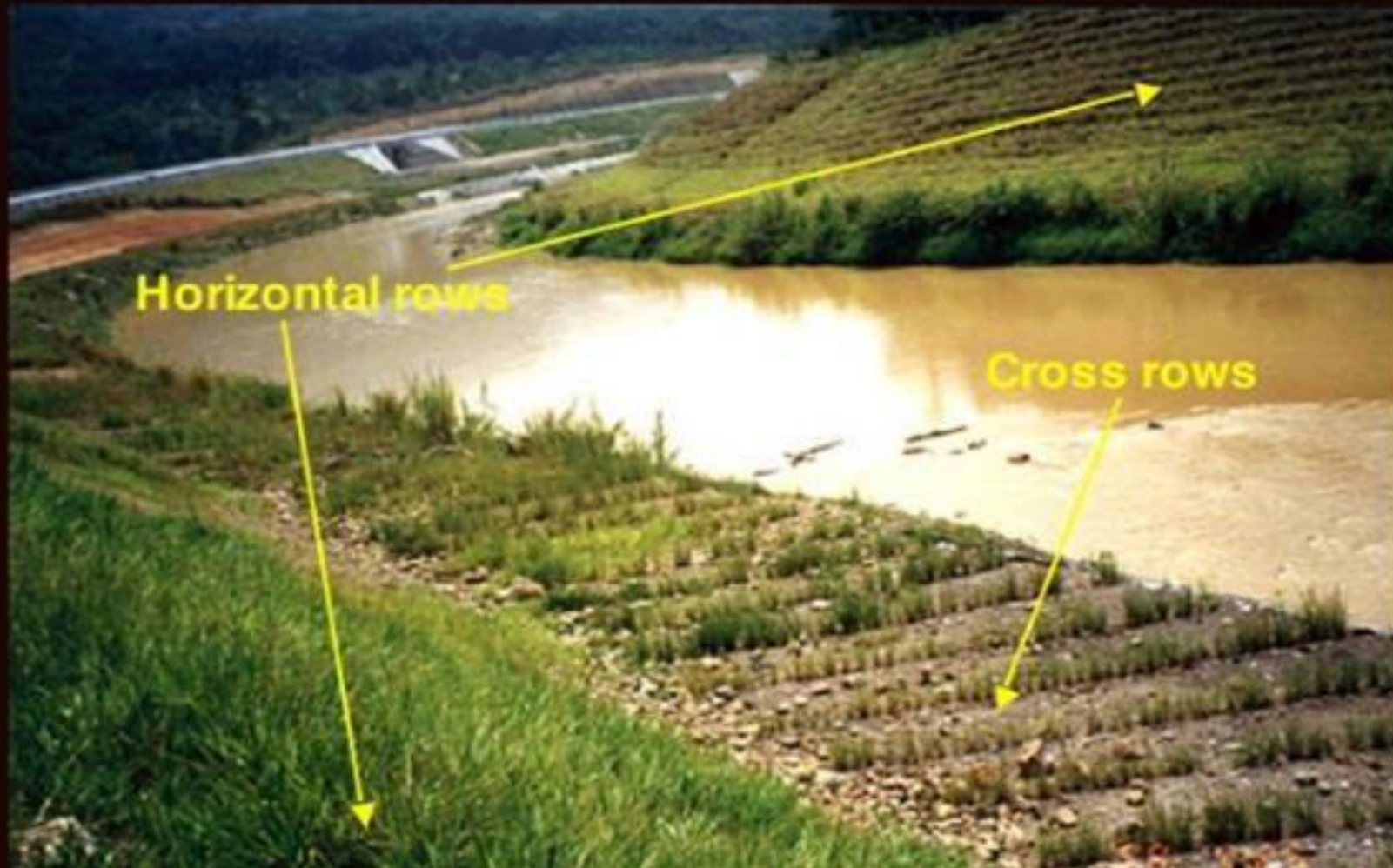
RIVER BANK STABILIZATION

Mekong Delta Vietnam: Protecting bank against wave erosion



RIVER BANK STABILIZATION

Malaysia: An outstanding success, several floods did not damage this river













CLEAN WATER FOR DRINKING

VETIVER SYSTEM FOR POLLUTION CONTROL

With high capacity of removing N and P in polluted water, vetiver cleaned up blue green algae in 4 days



Same effluent after 4 days with vetiver, reducing N to 0mg/L (94%) and P to 1mg/L (90%)

Sewage effluent infested with B-G algae due to high N = 100mg/L and P = 10mg/L

In Vietnam and China floating rafts of vetiver have been used to help clean piggery effluent ponds

Vetiver was grown in the left hand beaker. After 4 days it reduced nitrates by 94% and Phosphates by 90%.

On a piggery effluent pond in Vietnam



NATURAL DISASTER MITIGATION



Mitigation of Natural Disaster: Flood erosion in Cambodia

Strong current and waves cause massive erosion on the bank of the Mekong river

Following repairs and vetiver planting, this site has been stable during the last 3 annual floods



ADVANTAGES

- ❑ The major advantage of Vetiver System is its **low cost.**
- ❑ Saving 65% and 75% in Australia for various structures and 90 to 85% in China and in low labour cost countries
- ❑ Vetiver System provides a **natural, green and environment friendly method** of erosion control and land
- ❑ Low maintenance costs in the **long term.**

➡ Forwarded

Sir,

Based on calculations With initial 10 Lakh Vettiver planted incrementally under 2 yrs we have multiplied it @ 7 times and obtained total **203 Lakh** Vettiver on ground.

Thus, we achieved **175 Tons of Carbon Sequestered**

The rest Compounding will take care.

Thanks to u Sir.



17:23





Latitude: 19.927542
Longitude: 75.35333
Accuracy: 2227.0m
Azimuth: 352° (N)
Pitch: -9.9° (1.7°)
Time: 09-07-2020 16:47
Note: Kolthan

Powered by AngleCam



● ○ REDMI NOTE 5 PRO
MI DUAL CAMERA



Latitude: 20.142101
Longitude: 75.275887
Accuracy: 4143.0m
Time: 07-10-2020 15:26
Note: Nirgudi site

Powered by NoteCam



REDMI NOTE 5 PRO
MI DUAL CAMERA



➡ Forwarded



At 7 other such locations of ETF we gifted similar quantities of vetiver hence carbon sequestration 175×7 tons, all this was possible with solid support from friends like you all. 🙏🙏🙏

17:48



Vanya

Nature's own farming
Nature's own farming

“Vetiver has the capability to
impact positively on sustaining
the environment and natural
resources, while improving
human welfare”





MORINGA LEAVES

*These leaves could
save millions of lives.*



Moringa

Moringa Oleifera contains all 18 Amino Acids properly sequenced and in the optimal ratios. Amino Acids directly govern how the body works and functions. These Amino Acids perform the following tasks in the body.



=

**Tiny leaves.
Enormous Benefits.**

7 times the Vitamin C of Oranges



4 times the Vitamin A of Carrots



4 times the Calcium of Milk



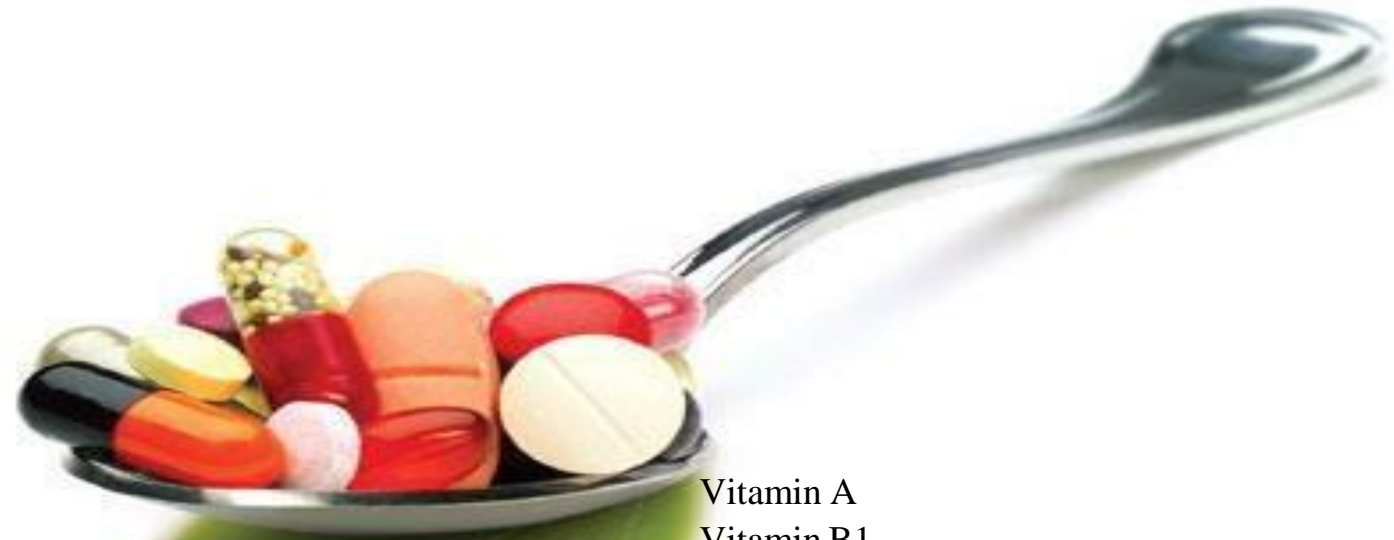
3 times the Potassium of Bananas



2 times the Protein of Yogurt



***It's like growing
multi-vitamins at
your doorstep.***



Vitamin A

Vitamin B1

Vitamin B2

Vitamin B3

Vitamin C

Calcium

Chromium

Copper

Iron

Magnesium

Manganese

Phosphorus

Potassium

Protein

Zinc

Rare for a plant
source,

Moringa leaves
contain all
the **essential
amino acids...**

**...to build
strong, healthy bodies.**





Moringa even contains *argenine* and *histidine*—two amino acids especially important for infants.



Malnutrition

Moringa

Increases daily
weight gain
up to **32%**

Increases milk
production
43% to **65%**





Every inch of soil is
covered by live
mulch

Less than one-year old multi-
layer food forest

Vine of *Paan*
(*Betel Leaf*)
getting ready
to be put on
Moringa trees





Heavy rains & hailstorm

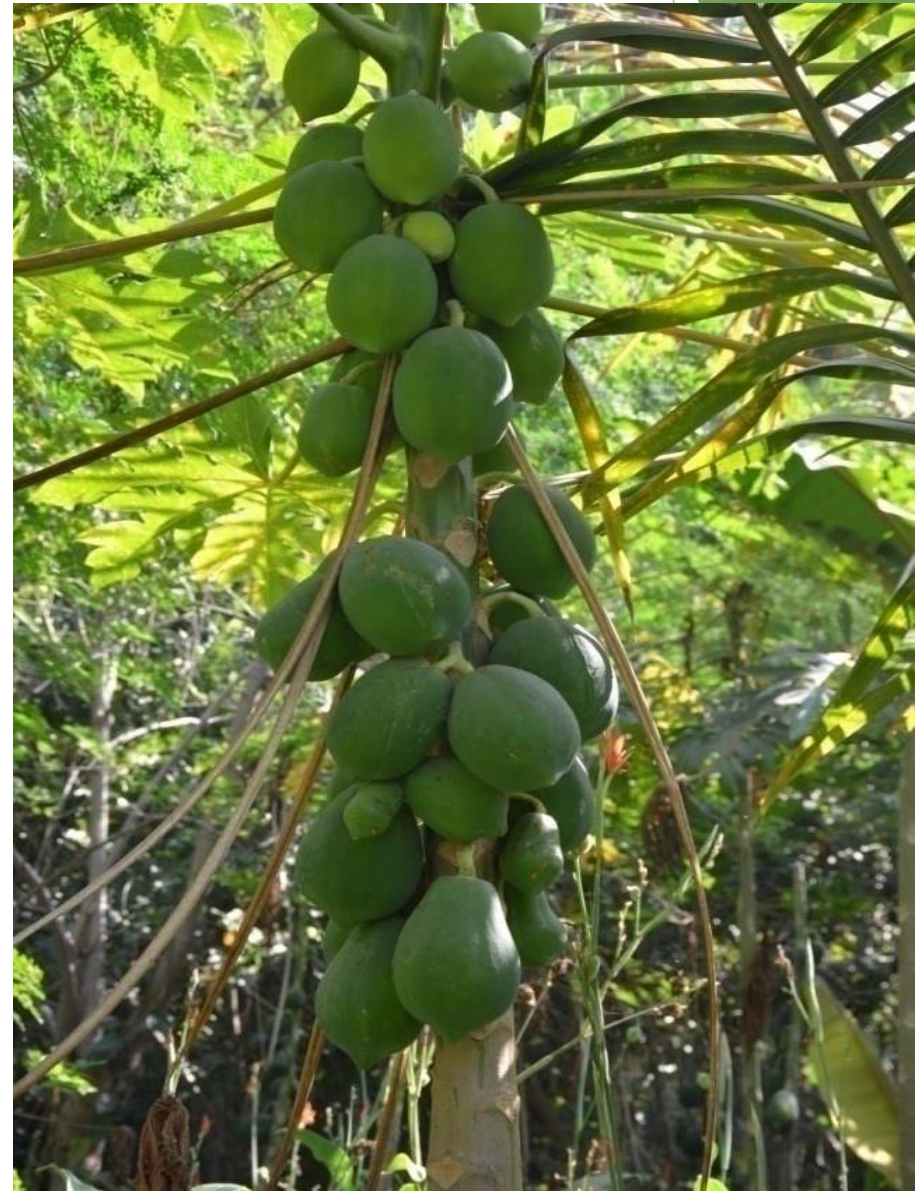






















Pics on 06th May 2020.



Pics on 06th May 2020.



Vanya Visitors from Eco Task Force



Vetiver slips along with mini forest bags gifted to Eco Task Force, Assam.



Seed Ball Preparation !

Young ones securing their future !



Young ones securing their future !



The revolution has begun !





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(Off.)0755-6530333 (Mob.) 9425013170

Ref.No. S68/Faculty of Science /RKDF Uni. / 18

Date: 11/4/18

Name of Sample : Moringa Honey

Sample Size: 500 gm

Findings:

ANTI-INFLAMMATORY COMPOUNDS:

Vitamin A, Vitamin B1 (Thiamin), Vitamin C, Vitamin E, Arginine, Beta-sitosterol, Caffeoylquinic Acid, Calcium, Kaempferol, Leucine, Magnesium, Oleic-Acid, Phenylalanine, Potassium, Quercetin, Rutin, Selenium,

ANTI-OXIDANTS : Vitamin A, Vitamin C, Vitamin E, Vitamin K, Vitamin B (Choline), Vitamin B1 (Thiamin), Vitamin B2 (Riboflavin), Indole Acetic Acid, Indoleacetonitrile, Kaempferol, Leucine, Lutein, Methionine, Myristic-Acid, Palmitic-Acid, Prolamine,

ESSENTIAL AMINO ACIDS – Isoleucine – Leucine – Lysine – Methionine – Phenylalanine – Threonine –

Signature of authority

➔ Forwarded



India's Ominous Future: Too Little Water, or Far Too Much

Decades of short-sighted government policies are leaving millions of Indians defenseless in the age of climate disruptions – especially the
nyti.ms

India's Ominous Future: Too Little Water, or Far Too Much

<https://nyti.ms/2KPGowM>

Absolutely correct, only food forest can withstand both excessive rains and dry spell.bonus cooling mother earth,great health, water harvested and retained,reviving river systems.that is why I maintain practice this or perish.

Testimonials

➡ Forwarded



The regular use of curcumin and moringa , as suggested by dear Patanjali, has reversed my liver to normal size from the enlarged fatty status. SGPT and SGOT , which was much higher are reduced to within normal range.

18:07

➡ Forwarded

Respected Sir, Thank you very much for your magical herbs for curing RA of my sister. Fantastic results... From 27, it has come down to 9. Even she can't believe it. Thank you once again sir. Regards

18:18

Comments of Mr. R.P.Singh, Rtd. IFoS

“Hi Patanjali.

*Greetings from Abhinav Gram Foundation, Ranchi
Let me Congratulate u for ur brilliant Innovation and
initiative. I am a 81 batch IFS retired recently abd
working in Ranchi. We have adopted 27 villages of 4
panchayats whom we are helping to make their life a
bit easier by promoting organic farming. I fully endorsed
your vanya project. Will call you to learn more from you.
Warm regards
RP Singh CEO “*

<http://indianperiodical.com/2016/09/person-of-the-week-patanjali-jha/>

Thoughts of a Cancer Survivor

“Dear sir

You may recall that Mrs Seema Verma had introduced us to you when my son was diagnosed with cancer. I just wanted to inform you that my son pet scan was done today and he has recovered completely. I thank you from the bottom of my heart for your help and support. We are forever in your debt. In case I can do anything for you please do not hesitate to call me. My number is 098XX2XXX50.

With warm regards and our gratitude “

Admiral Deepak Bali

Testimonials



My Mom has had severe pain in her hand for the last 12 to 14 years. She tried a lot of medicines from all streams, to get rid of the pain. Didn't work.@DGIT(Inv) Patanjali Sir Sir gave me one set of simple, naturally grown leaves & herbs, from his farm. My Mom's pain has subsided by more than 50% within just a month! I've always heard him say that we have solutions for all our problems in the nature. So very true!Sir, thank you for doing whatever you have been doing. This is an amazing service - improving the quality of lives of people. And with zero commercial interest

ॐ ॐ
Mr

Message shared by our JCIT

- Respected Sir, Thank you very much for your magical herbs for curing RA of my sister. Fantastic results... From 27, it has come down to 9. Even she can't believe it. Thank you once again sir. Regards



40th ANNIVERSARY SPECIAL

ALL NATUREL
Patanjali Jha shows visitors around his farm in Khilhat.

PATANJALI JHA, 38
Vanya Organics (Food Forestry), KHILHAT, MADHYA PRADESH

GOING BACK TO NATURE

Patanjali Jha is a man on a mission. The 1986 batch IBS officer (currently D-G investigations, Karnataka and Goa), when not chasing tax evaders, is busy creating awareness about the pitfalls of conventional, chemical fertiliser-aided farming. Patanjali's food forestry farm on the banks of the Narmada river at Khilhat in MP's Khargone district is proof that it's "natural" farming can be made a success.

Inspired by Masanobu Fukuoka's seminal work on natural farming, *The One Straw Revolution*, 47 years ago, Patanjali and five others, including investment banker Sandeep Kothari, bought a 60-acre plot in village Akbarpur. The farm was christened Vanya Organics. Different varieties of saplings, such as mango, banana, papaya, lemon, guava, neem, besides turmeric, pomegranate, lentils and chillies were planted. No tilling has been done and no chemicals ever used. The idea...



PANKAJ TIWARI

CHANGE METER
Has created awareness about the pitfalls of conventional chemical fertiliser-aided farming

India Today Anniversary Issue, December 30, 2019

"FARMING IS DONE BY THE TREES AND BEES. YOU LET THEM BE IN A NATURAL WAY AND THEY'LL GIVE YOU A WONDERFUL, ORGANIC HARVEST"

that sunlight usage could be maximised. "The soil contains a vast number of beneficial nutrients and micro-organisms. Tilling it robs it of its value," says Patanjali, adding that the "farming is done by the trees and bees. You let them be in a natural way and they'll give you a wonderful, organic harvest".

Patanjali says the overuse of chemical fertilisers and pesticides has resulted in toxic elements entering our food and water. "The Indian Council for Medical Research says in the days to come, every eighth Indian will be affected by cancer. The only way to prevent this is to keep our bodies alkaline. Food forestry has all the answers," he says.

Patanjali also works with the eco task force of the Territorial Army and has donated more than 12.5 million slips of vetiver, a grass that helps fight soil erosion. He has also tied up with the Ramakrishna Mission and Seva Dham, Ujjain, to whom he sends seeds for planting. Besides this, Patanjali goes all over the country delivering talks on his experiences as a food forestry farmer besides time spent at the farm explaining to visitors the benefits first-hand. But is the farm financially viable? Patanjali believes that "earning money should not be the objective of farming. It will follow on its own...and is it more important than our health?" He stresses here that organic produce has a market, and does get a higher price. "I don't go to temples. The forest is a spiritual experience for me," he adds. ■

—Rahul Noronha

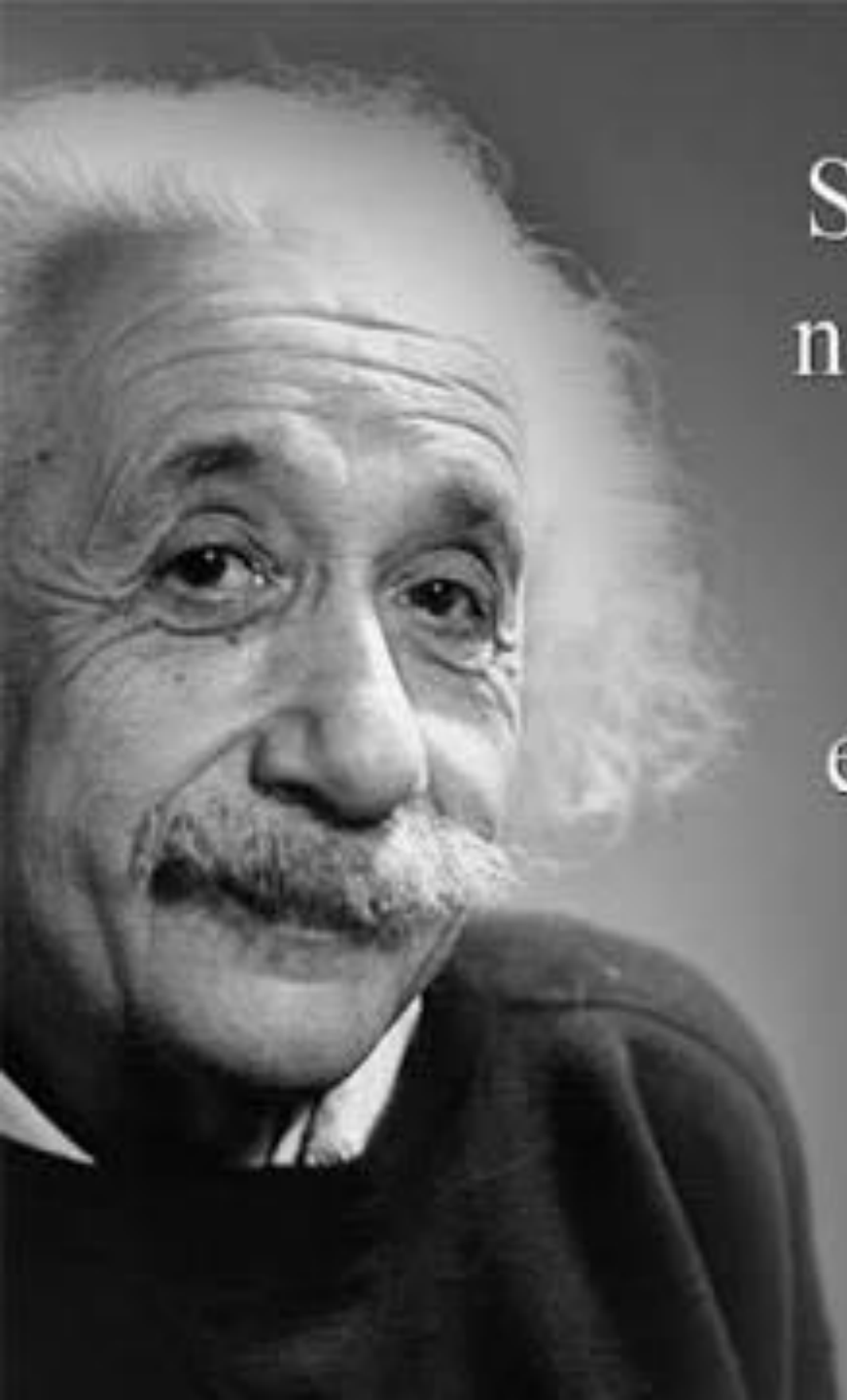


IRS Officer Toils For 20 Years to Build 100-Acre Food Forest In MP & Bihar

"If 10,000 people in India resort to food forestry today, it can save 50,000 people in the next few years."

Links to watch

- Vanya Natura Farm : <https://youtu.be/0R3tLvEb4ks>
- Collecting rain water using Vetiver : <https://youtu.be/e482unvd3uc>
- Ground water recharge using Vetiver : <https://youtu.be/ytZ1xgdie5Y>



Stay away from
negative people.
They have a
problem for
every solution.

Thank You

www.vanyaorganic.com