

India: Destroying Biodiversity, The Devastating Social Impacts of GMO “Killer Seeds”

By [Arun Shrivastava](#)

Global Research, March 11, 2014

Region: [Asia](#)

Theme: [Biotechnology and GMO](#)

India's Prime Minister's approval of GM food and Environment Minister Moily's disregard for rules, illegally permitting open field trials of 120 food crops will destroy India at the genetic level, namely its biodiversity. In an election year Manmohan Singh is leaving behind a scorched India. A blind, deaf, dumb and bigoted Prime Minister said 'the government should not succumb to unscientific prejudices against GE seeds and foods.' [1]

Manmohan Singh said,

'use of biotechnology has great potential to improve yields.' [2]

Actually this unscientific, prejudiced and utterly spineless PM backed a failed technology. Behind his rise to infamy and many treasonous acts since 1991 is conspiring with the US Government and the European Globalists who want to cull the global population to about 1 billion, not even sparing their own people. His desperate effort to release GMO food crops will turn India into a dead land with sterile population within a few decades.

While Manmohan Singh will go down in history as the most treacherous man that ever occupied the position of Prime Minister, his Agriculture Minister Sharad Pawar and the Environment Minister Veerappa Moily will disgrace historiography provided historians survive.

There is nothing 'unscientific' or 'prejudiced' when people oppose genetically engineered [GE or GMO] seeds and foods. The opposition is grounded in solid verifiable science. As early as 2003, when the first ever Bt cotton crop was harvested in Andhra Pradesh and Maharashtra, Gene Campaign evaluated the performance of Bt Cotton. [3] These studies proved that GE seeds don't increase yield. Either Singh does not understand science or can't read; he only follows US and NATO orders like their puppets in 30 other countries.

The Impleadment to ban GMOs was backed by 6.5 million farmers through their respective associations. It was admitted by the Supreme Court in April 2007 and contains a long list of hard scientific evidences. [4]

Members of the Technical Experts' Committee [TEC] appointed by the Supreme Court to assess the biosafety of GMOs concluded that GE seeds should not be allowed in India. The sole dissenting voice in TEC was of Government imposed scientist CD Mayee. Dr CD Mayee is an industry lobbyist and has the dubious distinction of actually knowing well in advance that Bt Cotton crop would never match the yields of non-Bt organic or non-Bt inorganic cotton. This industry lobbyist became a key member of the approvals' committee and

squirmed his way into the TEC. His was the only dissenting note! This man is a disgrace to science.

Cutting across party lines the Standing Committee on Agriculture in Parliament unanimously and unequivocally concluded that GE seeds and foods are dangerous to human, animal and environmental health and directed the Government of Manmohan Singh to ban GMOs. The 400-page report was submitted to Parliament in October 2012. [5]

Perhaps Manmohan Singh reads only unscientific and prejudiced reports of agriculture biotechnology lobbyists headed by Sharad Pawar on behalf of Monsanto and other multinational corporations like Dow, Syngenta, Bayer, etc al. Even Satan would be ashamed of Pawar, India's 'perpetual' Minister for Agriculture. Time is ripe that his kin and he be consigned to the dust bin of history for ushering a dreadful historical period in Indian agriculture.

Four UPA rogues – PM Manmohan Singh, Montek Singh Ahluwalia, Sharad Pawar and now Moily – have destroyed India's farmers and agriculture system, paving the way for Western multinational corporations to take over India's farmlands. To these rogues' list one more name should be added – Raghuram Rajan – the present Governor of the Reserve Bank of India, chosen for his proximity to global banksters. He is the first Governor who ever said that 'farmers drag the economic growth rate down.' What does Raghuram eat for breakfast? Genetically engineered Kellogg's cornflakes in pus laced American milk? Or, reconstituted foods from the advanced labs of global food companies that often contain sanitized and reconstituted human and animal shit? Does he even know that he is presiding over a central bank that can suck the life of 8,000 years of agriculture and food history?

A short history of what happened

GMO foods already here: India never approved the sale of GMO food crop seeds but as early as 2001 an independent food testing laboratory confirmed that 21 out of 30 samples sent from Delhi's grocery stores had tested positive for GMO contamination. The desultory tentative moves by the Supreme Court, from 2005 to now, have already ensured poisoning of India's food. In fact, the Standing Committee on Agriculture in Parliament under the Chairmanship of Basudev Bhattacharya, MP, did a far better job than any expert in the Ministry of Agriculture and Department of Biotechnology. Foods exported by the American and European companies are on Indian grocery shelves, and, given the evidences, contaminated and poisonous. Oil from cotton seeds is used as food and feed; Bt cotton seeds have already entered our food/feed chain.

Food and Nutrition Security [FNS]: It is also important to note that years ago the Supreme Court appointed NC Saxena and Harsh Mander as Commissioners to report on the progress of various state governments' performance on Food and Nutrition Security [FNS] issue following a Public Interest Litigation filed in 2001. Not once have Saxena or Mander mentioned in their reports to the Supreme Court that food and nutrition security of India will be utterly compromised by GMOs of criminal multinational corporations.

International concerns

The potential for misuse of recombinant DNA technology was anticipated as far back as the early 1970s. In 1975 a group of about 140 leading scientists, lawyers, doctors, primarily biologists, and microbiologists [microbiology was an emerging field then] met to discuss the

biosafety hazards and draw up a voluntary guideline to ensure the ethical use of recombinant DNA technology. The Asilomar Conference was organised by Paul Berg who had worked with Dr Sanger and Dr Gilbert, early pioneers in recombinant technology; all three Nobel laureates. However, it was Berg who anticipated the dangers. Around the same time microbiologist Dr Pushp M Bhargava had expressed his fears and concerns on the potential for misuse of agriculture biotechnology. Dr Bhargava was one of the experts in the TEC.

Until 1979, the US Patent office had consistently refused to grant patent on life form. An Indian, Dr. Ananda Chakrabarty, found a method for directed evolution of *Pseudomonas* bacteria, also known as oil eating bacteria, at General Electric Company's [GEC] facility. GEC applied for protection but the patent office refused until the case finally reached the Supreme Court. In the (in)famous *Diamond versus Chakrabarty*, perhaps influenced by big money because the case was fought for many years, patent was granted by the US Supreme Court ([Diamond v. Chakrabarty](#)), in a 5-4 decision [with serious dissenting notes], on the logic that "a live, human-made micro-organism is patentable subject matter under [Title 35 U.S.C.] 101. Respondent's micro-organism constitutes a "manufacture" or "composition of matter" within that statute.

The judgment paved the way for patent on life forms. [6] A key sentence in the judgment is "While laws of nature, physical phenomena, and abstract ideas are not patentable, respondent's claim is not to a hitherto unknown natural phenomenon, but to a nonnaturally occurring manufacture or composition of matter — a product of human ingenuity "having a distinctive name, character [and] use."

On this premise the court accepted that Chakrabarty's innovation was unnatural, an unknown natural phenomenon, a product of human ingenuity, having a distinctive name, character, and use. However, this decision opened the floodgate of life form patenting and widespread misuse of biotechnology in agriculture because companies like Monsanto, Bayer, Syngenta, Dow Chemicals and others could use exact same principles to claim patent right on their innovations now known as Genetically Engineered or Genetically Modified seeds. The *raison d'être* is that their seeds are a product of their ingenuity has 'a distinct character and use [application]. They can claim that they have invented "an unknown non-natural event, a product of human ingenuity, having a distinctive name, character and use" and get patent protection.

Seed theft starts on a global scale

Ag-biotech firms knew that they can't create life form. They needed natural seeds to modify and engineer for patenting. From that time onward systematic globalised theft of indigenous seeds started. The first large scale theft of seeds in India was done by Swiss company Syngenta that stole 19,000 rice varieties collected by Dr Riccharia, a case known as 'The Great Gene Robbery' in which another 'ever-present' crony scientist Swaminathan was implicated. And some years ago Dr Mangla Rai, who actually believes in Vedic farming, personally deposited millions of India's natural seeds at Svalbard Seed Vault which is controlled by a conglomerate of biotech seed corporations and Western Governments.

Unknown, non-natural, even product of human ingenuity!!! Is GMO a non-natural, unknown event, product of human ingenuity, requiring patent protection? Can any company create a seed in the laboratory? If they can create an unknown, non-natural seed that is a product of

human ingenuity, why are they stealing seeds from all over the world? Obviously, they can't create a new seed type but they can create a new genetic sequence but is it non-natural and unknown?[A1] If they can create a genetically engineered seed which is "unknown, non-natural and a product of human ingenuity, and by what standard it is "substantially equivalent" to natural seeds? If it is not, why has no company done serious biosafety studies?

What is the track record of GE seeds?

The natural and known seeds produce healthy foods, do not harm the environment, and do not destroy human and animal health. If they had, human civilization would be extinct long ago before this current bunch of plunderers was born of their depraved, sub-human ancestors through inter-generational trait transfer.

What is the track record of GE seeds? In late 1990s Dr Arpad Pusztai, head of the Rowett Institute, UK, was asked to test GM foods on animals. He found that GM foods destroy normal functioning of vital organs. Around the same time Dr Irina Ermakova of Russian Academy of Sciences also started her studies on rats and found that the offspring of experimental rats were half the normal size compared with those of the control groups, with severe vital organ malfunction. In 2013 Dr Irina Ermakova came out powerfully and said "It has been proved that, not only in Russia but also in many other countries, GMO is dangerous. Methods of obtaining the GMO are not perfect, therefore, at this stage, all GMOs are dangerous." She further said that "one of the techniques uses tumor-causing soil bacteria" and that "consumption and use of GMOs obtained in such way can lead to tumors, cancers and obesity among animals. [7]

Using 20-year database on yields from GMO seeds, Dr. Doug Gurian-Sherman proved that the yields actually dropped and says "hard-nosed assessment of this expensive technology's achievements to date gives little confidence that it will play a major role in helping the world feed itself in the foreseeable future." [8] 1.2 billion Indians should repeat these lines for the benefit of Manmohan Singh.

Don Huber with 55 years of experience as plant pathologist proved that the ability of the roots of GE plants' to absorb vital nutrients from the soil is seriously compromised. Huber went on to say that GE crops are destroying the agriculture system. [9]

Now, this is something Dr KP Prabhakaran Nair had warned of GMOs over a decade ago, but he was ignored because his scientific analysis was 'inconvenient truth' to the agriculture biotechnology janitors who masquerade as scientists. [10]

A Russian study [2010] by Dr Alexander Surov proved that by the third generation the offspring were infertile. [11] Educated Indians should ask Manmohan Singh, "Is this what you want to do to us?"

Seralini studies, first of its kind over the normal life cycle of rats, which is about 700 days, showed massive malignancies and vital organ failure. This research conclusively proved that experimental animals did not complete their normal life. The experimental rats he used have a life cycle of around 700 days. Up until 90th day, his team did not observe problems with GMO fed rats. From 90th day onward his team observed tumours. Now, 90th day out of 700 days is 12.85% of the entire life-cycle. Average human life is about 80 years. So, if a

person eats GM food now, the onset of severe and cataclysmic health impact would show after about 10 years. Since there is no labelling in countries where GMOs are approved as food, there can be no traceability. Evidence is based on traceability. Since there is no traceability, culpability for premeditated murder or genocide can't be established.

That is why all GM seed companies are bribing political leaders, bureaucrats and regulators to prevent labelling around the world including India. Does the Manmohan Singh gang named above understand this simple scientific fact? [12] What health catastrophe the USA is facing right now with obesity, cancers, diabetes and other degenerative diseases where GM foods were introduced in the 1990s without biosafety studies?

And this is most recent. Egyptian scientists carried out three studies and concluded that (a) GE foods were not equivalent to natural foods, (b) GE diet caused significant changes in body and organ weight indicating toxicity, and (c) histopathological examination showed severe impairment to vital organs and 'examination of the testes revealed necrosis (death) and desquamation (shedding) of the spermatogonial cells that are the foundation of sperm cells and thus male fertility.' [13]

The latest bad news came last week. GM foods are nutrition deficient. [14] This is the first time that we have clear scientifically validated evidence that GM foods are deficient in vital nutrients. GM soy, non-GM soy grown conventionally [using chemicals] and organic soy [with no chemicals] were tested. Organic soy was found to be far superior; GM Soy was found most nutrition deficient. The three sources of soy were tested on '35 different nutritional and elemental variables to characterize each soy sample.' [15]

The scientists whose works I have cited are neither 'unscientific' nor 'prejudiced.' In fact, as young scientists, they seriously believed that genetic engineering technology will serve humanity in a novel way. Some of the best scientific minds were attracted to this emerging discipline in science and technology. Little did they know that the field of 'Eugenics' that developed in the USA, was actually legalized, was tried on a mass scale in Nazi Germany on Europeans, Germans, Jews and ethnic minorities and would be renamed 'Genetic Engineering' or 'Biotechnology.' Majority of scientists had no clue of the real dark agenda of agriculture biotechnology.

Perhaps Manmohan Singh, Sharad Pawar, Veerappa Moily, Montek Singh, and Raghuram Rajan are all part of the global conspiracy of mass culling of the 'poor, coloured and useless eaters,' exactly as desired by Henry Kissinger in his National Security Study Memo 200 in 1974, and earlier by the Eugenicians in the USA with first colossal trial in Hitler's genocide in Europe.

Who is unscientific and prejudiced?

The citations show that GMOs neither increase yield nor nutrition in food. On the contrary, GMOs have adverse effect on plant and soil health. Most significantly, GMOs trigger lethal diseases and cause sterility in those who regularly ingest these foods. Premature mortality is the norm rather than exception.

Judge for yourself who is unscientific and prejudiced.

Manmohan Singh, Sharad Pawar and Veerappa Moily are not the only ones who genuflect to the eugenicist brigade. The emerging neo-fascists known as Aam Aadmi Party's [AAP] think

tank includes senior lawyer Prashant Bhushan who has fought the anti-GMO case in the Supreme Court since 2005. When his party won the December Delhi state election and formed the Government he could have banned GMOs in Delhi. That act alone would have won the hearts of millions across the world. Instead, Prashant did not even have the guts to respond to a simple letter asking him to clarify his stand on GMOs. The reason is not far to seek: AAP is almost entirely funded by CIA's 'civilized' front Ford Foundation.

It is the same foundation that laid the groundwork to break USSR up. The break-up of India was planned even before India became independent in 1947. Perhaps the young goons brought up on foreign funds want to straddle over a dead India. The issue of GMOs is a cosmological event with which they have nothing to do although they all eat three meals every day. Or perhaps they are already been made tolerant of the Ford Foundation, UN-Framework Team and USAID nation-destroying Monsanto Roundup and Ready nation destroying herbicide.

These seeds are "engineered to kill," patent protected, highly profitable silent weapons. The global war of globalists is being fought by other means, by eliminating the survival options. It's the same old colonial strategy. But the political class and the NGO brigade of India has been genetically modified to remain silent on vital issues.

Notes

[1]

<http://timesofindia.indiatimes.com/india/PM-brings-hope-for-scientists-over-introducing-GM-food-crop-s-in-India-after-safety-trials/articleshow/29812575.cms>

[2]

<http://www.thehindu.com/news/national/at-science-meet-pm-pitches-for-gm-crops/article5648525.ece>

[3] http://www.genecampaign.org/policy_for_GM_Crops.php

[4] An Impleadment was admitted by the Supreme Court of India in April 2007 signed by Dr. Krishna Bir Chaudhary and Arun Shrivastava which was supported by around 6.5 million farmers.

[5] "Cultivation of Genetically Modified Food Crops," Committee on Agriculture, 37th Report, August 2012. Summary of the report: <http://www.gmwatch.eu/index.php/report-on-gm-crops-and-food-security-from-india-s-parliamentary-standing-committee-on-agriculture>

[6] Full judgement: <http://supreme.justia.com/cases/federal/us/447/303/case.html>

[7] <http://rt.com/news/gmo-ban-russian-scientists-293/>

[8] Failure to Yield-Evaluating the performance of Genetically Engineered Crops; Union of Concerned Scientists; 2009; http://www.ucsusa.org/assets/documents/food_and_agriculture/failure-to-yield.pdf

[9] http://action.fooddemocracynow.org/sign/dr_hubers_warning/

[10] <http://www.vijayvaani.com/ArticleDisplay.aspx?aid=2711>

[11] <http://voiceofrussia.com/2010/04/16/6524765/>

[12] <http://www.gmoseralini.org/faqs/>

[1 3]

<http://www.gmwatch.org/index.php/news/archive/2014/15260-another-rat-feeding-study-shows-gm-bt-corn-toxic-to-mammals>

[1 4]

<http://www.greenmedinfo.com/article/compositional-differences-soybeans-market-glyphosate-accumulates-roundup-ready>

[15] Food Chem. 2014 Jun 15 ;153:207-15. Epub 2013 Dec 18. PMID: [24491722](#) by T Bøhn, M Cuhra, T Traavik, M Sanden, J Fagan, R Primicerio

The original source of this article is Global Research
Copyright © [Arun Shrivastava](#), Global Research, 2014

[Comment on Global Research Articles on our Facebook page](#)

[Become a Member of Global Research](#)

Articles by: [Arun Shrivastava](#)

Disclaimer: The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: publications@globalresearch.ca
www.globalresearch.ca contains copyrighted material the use of which has not always been specifically authorized by the copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: publications@globalresearch.ca