Open Letter from World Scientists to All Governments Concerning Genetically Modified Organisms (GMOS)

- The scientists are extremely concerned about the hazards of GMOS to biodiversity, food safety, human and animal health, and demand a moratorium on environmental releases in accordance with the precautionary principle.
- They are opposed to GM crops that will intensify corporate monopoly, exacerbate inequality and prevent the essential shift to sustainable agriculture that can provide food security and health around the world.
- They call for a ban on patents of life-forms and living processes which threaten food security, sanction biopiracy of indigenous knowledge and genetic resources and violate basic human rights and dignity.
- They want more support on research and development of non-corporate, sustainable agriculture that can benefit family farmers all over the world.

Previous versions of this letter were submitted to many governments and international forums including:

- UN Commission on Sustainable Development Conference on Sustainable Agriculture in New York (April 24-May 5, 2000)
- UN Convention on Biological Diversity Conference in Nairobi (May 16-24, 2000)
- United States Congress (29 June, 2000)

Signed by 828 scientists from 84 different countries, including:

Dr. David Bellamy, Biologist and Broadcaster, London, UK
Dr. David Marchant, Biologist, Natural Unity, Canada
Dr. Thomas S. Cox, Geneticist, US Dept. of Agriculture (retired), India
Dr. Tewolde Egziabher, Spokesperson for African Region, Ethiopia
Dr. Vladimir Zajac, Oncovirologist, Genvirus, Czech Republic
Dr. Brian Hursey, ex FAO Senior Officer for Vector Borne Diseases, UK
Prof. Liebe Cavalieri, Mathematical Ecologist, Univ. Minnesota, USA
Prof. Ruth Hubbard, Geneticist, Harvard University, USA
Prof. Jonathan King, Molecular Biologist, MIT, Cambridge, USA
Prof. Gillies-Eric Seralini, Laboratory de Biochimie & Moleculaire, Univ. Caen, France
Dr. David Suzuki, Geneticist, David Suzuki Foundation, Univ. British Columbia, Canada
Dr. Vandana Shiva, Theoretical Physicist and Ecologist, India
Dr. George Woodwell, Director, Woods Hole Research Center, USA
Prof. Oscar B. Zamora, Agronomist, U. Philippines, Los Banos, Philippines

add your name to the list!

1.9.2000

Open Letter from World Scientists to All Governments

Summary

We, the undersigned scientists, call for the immediate suspension of all environmental releases of GM crops and products, both commercially and in open field trials, for at least 5 years; for patents on living processes, organisms, seeds, cell lines and genes to be revoked and banned; and for a comprehensive public enquiry into the future of agriculture and food security for all.
Patents on life-forms and living processes should be banned because they threaten food security, sanction biopiracy of indigenous knowledge and genetic resources, violate basic human rights and dignity, compromise healthcare, impede medical and scientific research and are against the welfare of animals.

GM crops offer no benefits to farmers or consumers. Instead, many problems have been identified, including yield drag, increased herbicide use, erratic performance, and poor economic returns to farmers. GM crops also intensify corporate monopoly on food, which is driving family farmers to destitution, and preventing the essential shift to sustainable agriculture that can guarantee food security and health around the world.

The hazards of GMOs to biodiversity and human and animal health are now acknowledged by sources within the UK and US Governments. Particularly serious consequences are associated with the potential for horizontal gene transfer. These include the spread of antibiotic resistance marker genes that would render infectious diseases untreatable, the generation of new viruses and bacteria that cause diseases, and harmful mutations which may lead to cancer.

In the Cartegena Biosafety Protocol negotiated in Montreal in January 2000, more than 130 governments have pledged to implement the precautionary principle and to ensure that biosafety legislations at the national and international levels take precedence over trade and financial agreements at the World Trade Organization.

Successive studies have documented the productivity and the social and environmental benefits of sustainable, low-input and organic farming in both North and South. They offer the only practical way of restoring agricultural land degraded by conventional agronomic practices, and empower small family farmers to combat poverty and hunger.

**We urge the US Congress to reject GM crops as both hazardous and contrary to the interest of family farmers; and to support research and development of sustainable agricultural methods that can truly benefit family farmers all over the world.**

We, the undersigned scientists, call for the immediate suspension of all environmental releases of GM crops and products, both commercially and in open field trials, for at least 5 years; for patents on living processes, organisms, seeds, cell lines and genes to be revoked and banned; and for a comprehensive public enquiry into the future of agriculture and food security for all.

1 Patents on life-forms and living processes should be banned because they threaten food security, sanction biopiracy of indigenous knowledge and genetic resources, violate basic human rights and dignity, compromise healthcare, impede medical and scientific research and are against the welfare of animals(1). Life-forms such as organisms, seeds, cell lines and genes are discoveries and hence not patentable. Current GM techniques which exploit living processes are unreliable, uncontrollable and unpredictable, and do not qualify as inventions. Furthermore, those techniques are inherently unsafe, as are many GM organisms and products.

2. It is becoming increasingly clear that current GM crops are neither needed nor beneficial. They are a dangerous diversion preventing the essential shift to sustainable agricultural practices that can provide food security and health around the world.

3. Two simple characteristics account for the nearly 40 million hectares of GM crops planted in 1999(2). The majority (71%) are tolerant to broad-spectrum herbicides, with companies engineering plants to be tolerant to their own brand of herbicide, while most of the rest are engineered with bt-toxins to kill insect pests. A university-based survey of 8200 field trials of the most widely grown GM crops, herbicide-tolerant soya beans - revealed that they yield 6.7% less and required two to five times more herbicides than non-GM varieties(3). This has been confirmed by a more recent study in the University of Nebraska(4). Yet other problems have been identified: erratic performance, disease susceptibility(5), fruit abortion(6) and poor economic returns to farmers(7).

4. According to the UN food programme, there is enough food to feed the world one and a half times over. While world population has grown 90% in the past 40 years, the amount of food per capita has increased by 25%, yet one billion are hungry(8). A new FAO report confirms that there will be enough or more than enough food to meet global demands without taking into account any yield improvements that might result from GM crops well into 2030 (9). It is on account of increasing corporate monopoly operating under the globalised economy that the poor are getting poorer and hungrier(10). Family farmers around the world have been driven to destitution and suicide, and for the same reasons. Between 1993 and 1997 the number of mid-sized farms in the US dropped by 74,440(11), and farmers are now receiving below the average cost of production for their produce(12). The farming population in France and Germany fell by 50% since 1978(13). In the UK, 20 000 farming jobs were lost in the past year alone, and the Prime Minister has
announced a £200m aid package(14). Four corporations control 85% of the world trade in cereals at the end of 1999(15). Mergers and acquisitions are continuing.

5. The new patents on seeds intensify corporate monopoly by preventing farmers from saving and replanting seeds, which is what most farmers still do in the Third World. In order to protect their patents, corporations are continuing to develop terminator technologies that genetic engineer harvested seeds not to germinate, despite worldwide opposition from farmers and civil society at large(16).

6. Christian Aid, a major charity working with the Third World, concluded that GM crops will cause unemployment, exacerbate Third World debt, threaten sustainable farming systems and damage the environment. It predicts famine for the poorest countries(17). African Governments condemned Monsanto’s claim that GMOs are needed to feed the hungry of the world: "We..strongly object that the image of the poor and hungry from our countries is being used by giant multinational corporations to push a technology that is neither safe, environmentally friendly, nor economically beneficial to us... we believe it will destroy the diversity, the local knowledge and the sustainable agricultural systems that our farmers have developed for millennia and ...undermine our capacity to feed ourselves.(18)" A message from the Peasant movement of the Philippines to the Organization for Economic Cooperation and Development (OECD) of the industrialized countries stated, "The entry of GMOs will certainly intensify landlessness, hunger and injustice.(19)"

7. A coalition of family farming groups in the US have issued a comprehensive list of demands, including ban on ownership of all life-forms; suspension of sales, environmental releases and further approvals of all GM crops and products pending an independent, comprehensive assessment of the social, environmental, health and economic impacts; and for corporations to be made liable for all damages arising from GM crops and products to livestock, human beings and the environment(20). They also demand a moratorium on all corporate mergers and acquisitions, on farm closures, and an end to policies that serve big agribusiness interests at the expense of family farmers, taxpayers and the environment(21). They have mounted a lawsuit against Monsanto and nine other corporations for monopolistic practices and for foisting GM crops on farmers without adequate safety and environmental impact assessments(22).

8. Some of the hazards of GM crops are openly acknowledged by the UK and US Governments. UK Ministry of Agriculture, Fisheries and Food (MAFF) has admitted that the transfer of GM crops and pollen beyond the planted fields is unavoidable(23), and this has already resulted in herbicide-tolerant weeds(24). An interim report on UK Government-sponsored field trials confirmed hybridisation between adjacent plots of different herbicide tolerant GM oilseed rape varieties, which gave rise to hybrids tolerant to multiple herbicides. In addition, GM oilseed rape and their hybrids were found as volunteers in subsequent wheat and barley crops, which had to be controlled by standard herbicides(25). Bt-resistant insect pests have evolved in response to the continuous presence of the toxins in GM plants throughout the growing season, and the US Environment Protection Agency is recommending farmers to plant up to 40% non-GM crops in order to create refugia for non-resistant insect pests(26).

9. The threats to biodiversity from major GM crops already commercialized are becoming increasingly clear. The broad-spectrum herbicides used with herbicide-tolerant GM crops decimate wild plant species indiscriminately, they are also toxic to animals. Glufosinate causes birth defects in mammals(27), and glyphosate is linked to non-Hodgkin lymphoma(28). GM crops with bt-toxins kill beneficial insects such as bees(29) and lacewings(30), and pollen from bt-corn is found to be lethal to monarch butterflies(31) as well as swallowtails(32). Bt-toxin is exuded from roots of bt-plants in the rhizosphere, where it rapidly binds to soil particles and become protected from degradation. As the toxin is present in an activated, non-selective form, both target and non-target species in the soil will be affected(33), with knock on effects on species above ground.

10. Products resulting from genetically modified organisms can also be hazardous. For example, a batch of tryptophan produced by GM microorganisms was associated with at least 37 deaths and 1500 serious illnesses(34). Genetically modified Bovine Growth Hormone, injected into cows in order to increase milk yield, not only causes excessive suffering and illnesses for the cows but increases IGF-1 in the milk, which is linked to breast and prostate cancers in humans(35). It is vital for the public to be protected from all GM products, and not only those containing transgenic DNA or protein. That is because the process of genetic modification itself, at least in the form currently practised, is inherently unsafe.

11. Secret memoranda of US Food and Drug Administration revealed that it ignored the warnings of its own scientists that genetic engineering is a new departure and introduces new risks. Furthermore, the first GM crop to be commercialized - the Flavr Savr tomato - did not pass the required toxicological tests(36). Since then, no comprehensive scientific safety testing had been done until Dr. Arpad Pusztai and his collaborators in the UK raised serious concerns over the
12. The safety of GM foods was openly disputed by Professor Bevan Moseley, molecular geneticist and current Chair of the Working Group on Novel Foods in the European Union's Scientific Committee on Food(38). He drew attention to unforeseen effects inherent to the technology, emphasizing that the next generation of GM foods - the so-called 'neutriceuticals' or 'functional foods', such as vitamin A 'enriched' rice - will pose even greater health risks because of the increased complexity of the gene constructs.

13. Genetic engineering introduces new genes and new combinations of genetic material constructed in the laboratory into crops, livestock and microorganisms(39). The artificial constructs are derived from the genetic material of pathogenic viruses and other genetic parasites, as well as bacteria and other organisms, and include genes coding for antibiotic resistance. The constructs are designed to break down species barriers and to overcome mechanisms that prevent foreign genetic material from inserting into genomes. Most of them have never existed in nature in the course of billions of years of evolution.

14. These constructs are introduced into cells by invasive methods that lead to random insertion of the foreign genes into the genomes (the totality of all the genetic material of a cell or organism). This gives rise to unpredictable, random effects, including gross abnormalities in animals and unexpected toxins and allergens in food crops.

15. One construct common to practically all GM crops already commercialized or undergoing field trials involves a gene-switch (promoter) from the cauliflower mosaic virus (CaMV) spliced next to the foreign gene (transgene) to make it over-express continuously(40). This CaMV promoter is active in all plants, in yeast, algae and E. coli. We recently discovered that it is even active in amphibian egg(41) and human cell extract(42). It has a modular structure, and is interchangeable, in part, or in whole with promoters of other viruses to give infectious viruses. It also has a 'recombination hotspot' where it is prone to break and join up with other genetic material(43).

16. For these and other reasons, transgenic DNA - the totality of artificial constructs transferred into the GMO - may be more unstable and prone to transfer again to unrelated species; potentially to all species interacting with the GMO(44).

17. The instability of transgenic DNA in GM plants is well-known(45). GM genes are often silenced, but loss of part or all of the transgenic DNA also occurs, even during later generations of propagation(46). We are aware of no published evidence for the long term stability of GM inserts in terms of structure or location in the plant genome in any of the GM lines already commercialized or undergoing field trials.

18. The potential hazards of horizontal transfer of GM genes include the spread of antibiotic resistance genes to pathogens, the generation of new viruses and bacteria that cause disease and mutations due to the random insertion of foreign DNA, some of which may lead to cancer in mammalian cells(47). The ability of the CaMV promoter to function in all species including human beings is particularly relevant to the potential hazards of horizontal gene transfer.

19. The possibility for naked or free DNA to be taken up by mammalian cells is explicitly mentioned in the US Food and Drug Administration (FDA) draft guidance to industry on antibiotic resistance marker genes(48). In commenting on the FDA's document, the UK MAFF pointed out that transgenic DNA may be transferred not just by ingestion, but by contact with plant dust and air-borne pollen during farm work and food processing(49). This warning is all the more significant with the recent report from Jena University in Germany that field experiments indicated GM genes may have transferred via GM pollen to the bacteria and yeasts in the gut of bee larvae(50).

20. Plant DNA is not readily degraded during most commercial food processing(51). Procedures such as grinding and milling left grain DNA largely intact, as did heat-treatment at 90deg.C. Plants placed in silage showed little degradation of DNA, and a special UK MAFF report advises against using GM plants or plant waste in animal feed.

21. The human mouth contains bacteria that have been shown to take up and express naked DNA containing antibiotic resistance genes, and similar transformable bacteria are present in the respiratory tracts(52).

22. Antibiotic resistance marker genes from GM plants have been found to transfer horizontally to soil bacteria and fungi in the laboratory(53). Field monitoring revealed that GM sugar beet DNA persisted in the soil for up to two years after the GM crop was planted. And there is evidence suggesting that parts of the transgenic DNA have transferred horizontally to bacteria in the
23. Recent research in gene therapy and nucleic acid (both DNA and RNA) vaccines leaves little doubt that naked/free nucleic acids can be taken up, and in some cases, incorporated into the genome of all mammalian cells including those of human beings. Adverse effects already observed include acute toxic shock, delayed immunological reactions and autoimmune reactions(55).

24. The British Medical Association, in their interim report (published May, 1999), called for an indefinite moratorium on the releases of GMOs pending further research on new allergies, the spread of antibiotic resistance genes and the effects of transgenic DNA.

25. In the Cartegena Biosafety Protocol successfully negotiated in Montreal in January, 2000, more than 130 governments have agreed to implement the precautionary principle, and to ensure that biosafety legislations at the national and international levels take precedence over trade and financial agreements at the WTO. Similarly, delegates to the Codex Alimentarius Commission Conference in Chiba Japan, March 2000, have agreed to prepare stringent regulatory procedures for GM foods that include pre-market evaluation, long-term monitoring for health impacts, tests for genetic stability, toxins, allergens and other unintended effects(56). The Cartegena Biosafety Protocol has now been signed by 68 Governments in Nairobi in May, 2000.

26. We urge all Governments to take proper account of the now substantial scientific evidence of actual and suspected hazards arising from GM technology and many of its products, and to impose an immediate moratorium on further environmental releases, including open field trials, in accordance with the precautionary principle as well as sound science.

27. Successive studies have documented the productivity and sustainability of family farming in the Third World as well as in the North(57). Evidence from both North and South indicates that small farms are more productive, more efficient and contribute more to economic development than large farms. Small farmers also tend to make better stewards of natural resources, conserving biodiversity and safeguarding the sustainability of agricultural production(58). Cuba responded to the economic crisis precipitated by the break up of the Soviet Bloc in 1989 by converting from conventional large scale, high input monoculture to small organic and semi-organic farming, thereby doubling food production with half the previous input(59).

28. Agroecological approaches hold great promise for sustainable agriculture in developing countries, in combining local farming knowledge and techniques adjusted to local conditions with contemporary western scientific knowledge(60). The yields have doubled and tripled and are still increasing. An estimated 12.5 million hectares worldwide are already successfully farmed in this way(61). It is environmentally sound and affordable for small farmers. It recovers farming land marginalized by conventional intensive agriculture. It offers the only practical way of restoring agricultural land degraded by conventional agronomic practices. Most of all, it empowers small family farmers to combat poverty and hunger.

29. We urge all Governments to reject GM crops on grounds that they are both hazardous and contrary to ecologically sustainable use of resources. Instead they should support research and development of sustainable agricultural methods that can truly benefit family farmers the world over.

[sort by surname] [sort by country]

signed by

1 Dr. Dennis Smith poppy den s Afghanistan
2 Prof.em Calum Wright M.Phil i am a expert on the study of life none Afghanistan
3 Prof. Polycap Dank B.Sc science polycap research institute Angola
4 Prof. Adolfo E. Boy Horticulture and Sustainable Agri. Univ. Moron Chair of Inst. of Sustainable Agriculture Argentina
5 Alfredo Galli Agronomist Grupo de Reflexion Rural Argentina
6 Dr. Jorge Kaczwever M.D MD complementary medicines scientific journalism author of the book in spanish language Transgenic Risks for Human Health ECOMEDICOS Argentina
7 Jorge Eduardo Roulli Ecologist Grupo de Reflexion Rural Argentina
8 Damien Beaumont B.Sc Postgraduate student at the University of New England Armidale Australia
9 Peter Belbin B.Sc Land Management Consultant Tafe Australia
10 Dr. Graeme E. Browne General Practitioner Melbourne PSRAST Australia
11 Dr. Judy A. Carman Epidemiologist Flanders University Adelaide Australia
12 Dr. Catherine Clinch-Jones General Practitioner Adelaide Australia
13 Mr Sid Cowling B.Sc Environmental Biology Consultant Australia
14 Dr. Philip A. Davies Geneticist Adelaide Australia
15 Rocco Di Vincenzo M.Sc Chief Dietitian Swinburne University Hospital Australia
16 Prof. Horst W. Doelle Micoiobiologist Univ. Queensland retired Chair of International Organisation for Biotechnology and Bioengineering Director MIRCEN-Biotechnology Brisance and Pacific Regional Network Australia
17 Dr. Lynette J. Dumble Medical Scientist Women's Health and Environment University of Melbourne Australia
18 Doug N Everingham Physician MB BS Univ Syd 1946 Ex MPs Association Australia
19 Angela Fehringer Anthropology Student Sydney Australia
20 Prof. Frank G.H.P. Fisher Graduate School of Environmental Science Clayton Australia
World Scientists Statement

21 Kasia E. Gabrys Environmental Scientist Environmental Science National Trust of Australia Melbourne Australia
22 Prof. Adrian Gibbs Ph.D Virologist retired Australia
23 Dr. Dion Giles Ph.D Analytical chemistry organic chemistry chemical education Stop MAI (WA) Australia
24 Stephen Glanville PDC ECOS Design Australia
25 Dr. Veronica R. Griffin Consultant Nutrition and Environmental Medicine Cairns Australia
26 Vince Halpin B.Sc Acupuncturist Herbalist Pharmacist Australia
27 Dr. Richard Hindmarsh Environmental Social Scientist Univ. Queensland Australia
28 Margaret Jackson B.Sc. Genetics National Genetics Awareness Alliance Australia
29 Dr. Warren Kinne Ph.D Philosopher theologian Society of St Columban Australia
30 Steven Kiss B.Sc Biological/ Organic Farm Manager broad acre crops sheep cattle medicinal herbs Australia
31 Dr. Elke Kluin Biology Retired Australia
32 Keith Loveridge B.Sc Bachelor Environmental Soc Sci RMIT University Croydon Conservation Society Australia
33 Lisa McDonald Agronomist CRC for Sustainable Sugar Production James Cook University Australia
34 Michelle Mclaren Bach Nutrition and Dietetics Australia
35 Dr. Peter J. McMachon Plant Physiologist Genetics Australia Conservation Foundation Australia
36 Elham Monavari B.Sc BSc Maj Biology Masters in Env. Management Student Cities for Climate Protection Project Officer Australia
37 Dr. Angela Morris Ph.D Root nodule development Research School of Biological Sciences ANU Australia
38 Dr. Paul Nelson CSIRO Land and Water PMB Australia
39 Tim Osborn Web Development Australia
40 Dr. Sharron L. Pfueffer Biochemistry/Environmental Studies School of Geography and Environmental Science Monash University Melbourne Australia
41 Katrina E. Preski Environmental Science Monash University Melbourne Australia
42 Dr. Peter Renowden Strategic Planner Melbourne Australia
43 Sandra Russo Principal of College As a Homoeopath I lecture have a private clinic and mentor students of Homoeopathy Adelaide Training College of Complementary Medicin Australia
44 Frank Samson B.Sc R & D Project Manager (Physics) Sola International Holdings Australia
45 Glenn Sorensen B.Sc Natural Products Chemist/Phytochemist Jurluque Australia
46 Dr. Rosemary Stanton Ph.D Nutritionist Australia
47 Dr. Maarten Stapper Ph.D Farming Systems Agronomist Australia
48 Michelle Starr Ph.D student Natural Therapist none Australia
49 Dr Corinna-Brita Steeb Ph.D Pathophysiology Medical Sciences Nutrition Klein Research Institute Australia
50 Dr. Ted Steele Molecular Immunologist U. Wollongong Australia
51 Dr. Philip Stowell M.D GP working in Nutritional and Environmental Medicine n a Australia
52 DI Gertrude Kaffenbock Ph.D student Ph.D. candidate Agricultural Economist St. Polton Austria
53 Thomas Klemm Psychologist Konrad Lorenz Institute Austria
54 Dr. Maria G. Neunteufel Economist Vienna Austria
55 Dr. SYED NAZMUL HUDA Ph.D IN NUTRITION AND CHILD DEVELOPMENT NUTRITION AND FOOD SCIENCE UNIVERSITY OF DHAKA Bangladesh
56 Muhammed Saiful Islam M.Sc Entomologist DAE Bangladesh
57 Golam Kibria M.Phil EcologyCultureBiodiversity Bangabhaban Bangladesh
58 Zakir Kibria M.Phil Ecology Biodiversity Culture BangladeshPraxis Bangladesh
59 Dr Farhad Mazhar Ecologist New Agricultural Movement Bangladesh
60 Dhirendra Panda Ph.D student MOBILISATION AND ACTIVISM the collective Bangladesh
61 Dr Beer Daniel Lawyer Without Borders and Vrij university Brusse Belgium
62 Dr. Gaëtan du Bus Forest Engineer Univ. Catholique de Louvain INRA Belgium
63 Verstraeten Guy B.Eng have an engineering education in biochemistry education I have ethical objections to do work in most of the current industries and research Belgium
64 Pablo Servin Ph.D Economist engineer PhD in Biotechnology ULB Belgium
65 Dr. Michel Somville Ph.D GMO s Health environmental risks GREENS EFA group in the european parliament Belgium
66 Els Torreelle Ph.D student biotechnology Vrije Universiteit Brussels Belgium
67 Flavia Camargo De Oliveira Biologist UFRJ Brazil
68 Prof. MOHAMED HABIB Ph.D 39 years of research experience Biological Control and Agro Eclogy University of Campinas Brazil
69 Prof. Antonio Carlos Junqueira Do Val Filho B.Sc Engineer Agronomist CDA Brazil
70 Samuel MacDowell Ph.D Plant Molecular Biology IBAMA Brazil
71 Paulo Roberto Martins Research Institute of Technology Brazil
72 Dr. Leovigildo Matos Ph.D Animal nutritionist Research Embrapa Brazil
73 Renata Menasche Anthropologist Federal un. of Rio Grande do Sul Brazil
74 Prof. Luis César Nunes B.Sc Education PCRU Brazil
75 Ventura Eduardo Souza Barbeiro Engineer agronomist ABRAMA Brasilian association of Enviroment Brazil
76 Franco Werlign M.Sc Business Administration GaiaVillage Project Brazil
77 Dr. Stefan Panaitov Ph.D molecular microbiology National Center of Infectious and Parasitic Diseases Bulgaria
78 Dr Thomas R. Preston Un. of Tropical Agriculture Cambodia
79 Prof. Lonnie Aarsen Ph.D Ecologist Queen s University Canada
80 Prof. Paul Antze Ph.D medical anthropology Canada
81 Dr. Sandra Awang Ph.D Sociologist/Writer on biodiversity biodiversity and food security Canada
82 Prof.em Henry Becker Ph.D 7 years in applied biology 35 years teaching research in chemical engineering currently writing book on nutrition health disease Queen s University Canada
83 Dr Warren Bell MD Canad. Assoc. of Physicians for the Environ. Canada
84 Prof. Emeritus Alfred M. Braxton Anthropologist Univ. British Columbia Canada
85 John A Brown watchdog on growing power of corporacy in our world and the world s governments lack of will stop it Education Canada
86 Denis Cauchon M.Sc. Ph.D. candidate Toxicology Ecole HEC Montreal Canada
87 Dr. Samit Chakraborty Ph.D Systems Neurophysiologist Canada
88 Yoon C. Chen B.Sc. DPM Podiatrist Foot Clinic Lethbridge Alberta Canada
89 Dr. Elmar Kluin Animal nutritionist interested in securing a healthy food chain "Voice of Women Canada"
90 Dr. E Ann Clark Ph.D crop physiologist Plant Agriculture University of Guelph Canada
91 Una Coghlan interested in securing a healthy food chain Voice of Women Canada
92 Prof. Alain Cuerrier Taxonomy/Botany Quebec Univ. of Montreal Canada
93 Prof. Joe Cummins Geneticist University of Western Ontario Canada
94 Prof. Edwin E. Daniel FRSC Health Science McMaster Univ. Ontario Canada
95 Prof. Dennis Dennis poemy none Canada
96 Justin Duncan B.Sc Environmental biology law and policy Queen's University Canada
97 Prof. Chavez Eduardo R Ph.D Animal nutrition production and mangement agricultural production systems McGill University Canada
World Scientists Statement

98 Virginia F. Flamarique AMQ Consultant Agrologist Edmonton Canada
99 Glenn Fletcher M.Sc Masters degree research in toxicology occupational health McMaster University Canada
100 Dr. Josh Gallant Ph.D surgery general Canada
101 Dr. Imme Gerke Ph.D Cell biologist BIOTEPP Canada
102 Julie Guenette M.Phil Philosophical enquiry into our relationship to nature Ottawa University Canada
103 Tanya Handa M.Sc. Ecologist Univ. Toronto Toronto Canada
104 Virginia Jacobsen organic growers Canada
105 Aaron Jette Anthropology student McGill Univ. Montreal Canada
106 Prof. Leonard Kasdan Ph.D Social Anthropology and Resource and environmental studies Dalhousie University (retired) Canada
107 Dr. Gavin A. Kemp ret. Researcher Vegetable Crop Breeding Lethbridge Canada
108 Zorica Knezevic M.Sc Senior Consultant Environment Stantec Consulting Ltd Canada
109 Prof. Ronald Labonte Population Health Research Director Ontario Canada
110 William J. Lewis Linguist Univ. of Victoria British Columbia Canada
111 Prof. Abby Lippman Epidemiologist & Geneticist McGill Un. Canada
112 Jan Martel B.Sc. Student in biology University of Sherbrooke Canada
113 Prof. Ralph C. Martin Plant Science Nova Scotia Agricultural College Truro Canada
114 Prof. Dennis R. McCalla Biochemist & Geneticist emeritus McMaster University Hamilton Canada
115 Laura Mitchell Earth Scientist APEGGB Canada
116 Mary Mitchell teacher Canada
117 Dr. Anne Morgan Waterloo Climate Change Entomologist/ Univ. of (retired) Canada
118 Dr. M. Murphy Pediatrician NAMBLA Canada
119 Prof. James A. Nero D.C. General Practitioner neuromusculoskeletal medicine Coquitlam Canada
120 D. Noikov B.A.B.Ed. B.A.B.Ed Wholistic Practitioner Edmonton Canada
121 Lise Norgren Concerned Consumer Canada
122 Prof. Ann Oaks Botany (retired) Univ. Guelph Canada
123 Steve Robak Canadian of National Defence Canada
124 Lesirae Rotor Economist consultant Ottawa Canada
125 Dr. Bassam Ismaeil Sam Ph.D Information Systems Ismaeil Consulting Canada
126 Vere Scott ecologist Canada
127 Dr. John Scull Psychologist University of Victoria Victoria Canada
128 Dr. Carolyn A. Summerman ND.D DCotcr. Whole Health Centre Edmonton Canada
129 Prof. David Suzuki David Suzuki Foundation Geneticist U.B.C. Canada
130 Prof. Stephen Talmage Philosopher (retired) Carleton University Ottawa Canada
131 Dr. Wei Chong Tan Ph.D 5 years of research and several papers on sustainable farming and the dangers of GM foods Canadian College for Chinese Studies Canada
132 Mark Thompson Ph.D student Molecular Evolutionary Genetics The University of Calgary Canada
133 Noemi Toussignant M.Sc history of science technology and medicine Canada
134 Caroll Tranchant Ph.D Enseignant chercheur Sciences et technologies des aliments Canada
135 Dr. Pierre Turcotte Ph.D Plant breeder Canada
136 John B. Van Loon M.Sc. Storage Entomologist retired Canadian Grain Commission Winnipeg PRAST Canada
137 Dr. Susan Walsh Ph.D Phd cultural anthropology Executive Director of NGO focussed on food security in the South USC Canada Canada
138 Roland Wilhelm B.Sc One who chooses to think and take on problems that effect the environment Guelph Canada
139 Prof. R.M. Wolfson Practicer Maharishi Vedic College Ottawa Canada
140 Prof. Howard Woodhouse Ph.D Philosopher of Education and Co Director of Saskatchewan Process Philosophy Research Unit University of Saskatchewan Canada
141 Dr. John C. Workentin Retired computer scientist Ontario Canada
142 Dr. Lea Yacovone interested and concerned citizen Canada
143 Tea Garcia-Huidobro M.Sc Biochemistry (B.Sc) and Environmental Technology (M.Sc) Chile
144 Diana Medel Studies on Anthrop Soc Soc Psy Member Anthroposophic Society Volunteer for Children sRights Garden’s Constr Inv Med Plants Food Environm Stud ONG to supervise Children s Rights Chile
145 Juan Du B.Eng civil Engineering Warrenick U K China
146 Dr. Ye Hua over 20 000 000 pieces hand painted oil painting and picture frames in stock for sale at lowest prices http www art98 com China
147 Dr. Alexander Jablanczyz General Practitioner Doctor’s Building Saulte Ste. Marie China
148 Dr. Jesse LiLing M.D Bioinformation Tsinghua University China
149 William Binglin Lui Ph.D student I strongly support such an effort I think both National and International legal regimes should accept this open letter Law School Fudan University Shanghai China
150 Elias Gomez Ph. D. student Dept. of Geology University of Cornell Colombia
151 Dr. Jaime E Garcia Gonzalez Ph.D Pesticides Organic Agriculture Universidad Estatal a Distancia UNED Costa Rica
152 Damjan Bogdanovic Ph. D. student Un Zagreb Croatia
153 Prof. Marijan Jost Plant Geneticist Agricultural College Krizevi Croatia
154 Damir Magdic Food Scientist Osijek Un Croatia
155 Dr. Zora Matrocic MD MD MS Vice-President Croatia Natural Law Party Croatia
156 Vesna Saral College Krizevi Croatia
157 Prof. Drasko Senan Ecologist Univ. Zagreb Medical School Croatian Man and Biosphere Committee UNESCO South Eastern Mediterranean Sea Project UNESCO Comm. Ed. & Communication INCN European Committee on Environmental Ed. JUCN Croatia
158 Prof Anton Svajger Un Zagreb Medical School Croatia
159 Prof. Valerijje Vrcek Ph.D organic chemistry University of Zagreb Croatia
160 Dr. Vladimir Zajac Ph.D oncovirology genetics microbiology Cancer Research Institute Czechoslovakia
161 Henrik Westergaard Odense University Hospital Odense Denmark
162 Alexandra Almeida biochemist Accion Ecologica Ecuador
163 Dr. Elizabeth Brave biologist Accion Ecologica Ecuador
164 Ziad Abdel Razak Aly Ph.D student Radar and Optic remote sensing images analysis applied on soil Université de Sherbrooke Qc Canada Egypt
165 Ziad Aly Ph.D student Soil survey and classification Optic and Radar Images Analysis CARTEL Université de Sherbrooke Qc Canada Egypt
166 Dr. Bahaa Awlad M.Sc oncology hematolgy bmt landguardians Egypt
167 Mahmoud Kandil Ph.D student soil microbiology and concerning with Genetics Univ. of Minnesota (USA) Egypt
168 Ahmed Said Mohamed Kamel sweet corn Egypt
169 Dr. Mohamed Salem Ph.D Molecular Plant Pathology Biological Control Genetic Engineering and Biotechnology Research In Egypt
170 Prof. Fathy Mahmoud Salem Ph.D Professor of Nematology Faculty Of Agriculture Shibin El Kom Minufya Univ Egypt
Dr. Ehab Zayed Ph.D student tissue culture Breeding ARC FCRI CRD Egypt
Dr. Gennadi Kobzar Senior Scientist Biomedicine Institute of Chemistry Tallinn Technical Univ. Estonia
Prof. Anne Luu Plant protection International Agricultural University Estonia
Sue Edwards MSc botanist and scientific editor lover of all life forms Institute for Sustainable Development Ethiopia
Dr. Tewolde Egziabher Agronomist Min. of the Environment Spokesperson for African Region Ethiopia
Dr. Liisa Kuusi palo Ph.D cell biologist North Carelian Central Hospital Finland
Dr. Mark Rawlings Ph.D Astrophysicist Finland
Sylvain Allombert MSc. Ph.D. Student Ecology Centre National de la Recherche Scientifique Monpellier PSRAST France
Dr. Thierry Baussant Biochemist Senior Scientist Pharmaceutical Industry Bellegard France
Dr. Jean-Pierre Buret Directeur de Recherches INRA/CTEST France
Dr. Luc G. Bulot Researcher ESA CNRS 6019- Centre de Sedimentologie- Paleontologie Marseille PSRAST France
Dr. Pierre Calinaud Ph.D organic chemistry France
Dr. George Capouther Biologist Univ. Paris France
Dr. MORDAND CEDRICK C LCR Fauchers Volontaires France
Prof. Dominique Cellier Prof Statistics in Bioinformatics Laboratoire LMRS ABiSS Université France
Dr. Marie Christine BRGM Environment & Procedes Unite Biotechnologie Orlean France
Nathalie Cialdella Ph.D student agronomist France
Olga Daric M.Phil linguistics France
Bertrand desCleres M.Sc Scientific research/Aeronautics/Conservation/Environment IGF France
Dr. QUEIROS CONDE Diogo theoretical biology turbulence geometry of multi scale systems Ecole des mines de Paris France
Dr. Jean Estragnin MK General Practice Grenoble France
Alain Fardid Certificate of Pfizer Paris France
Prat Frederic B.Sc Information about GMO Geyersey France
Dr. Du Bus De Warnaffe Ga Tan sustainable management of temperate forests INRA France
Dr. Du Bus De Warnaffe Ga Tan Sustainable forest management INRA France
Prof. Pierre Henri Gouyon Ph.D Geneticist specialist of Evolutionary biology Population biology and Plant breeding Université de Paris Sud France
Jacques Hallard Plant breeding phytogenetics Independant France
BAZIN Jean Pierre B.Eng Medical Imaging INSERM France
Arthur MacKenzie Ph.D physical chemistry France
Etienne Maillet Logic Philosophy Mathematic Ethic Politcics Anthropology China France
Dr. Herve Le Meur Biomatematician Univ. Paris France
Cécilia Meynet Ph.D student géographe France
Ruby Michel B.Eng chicken breeder ATTAC France
Dr. Birgit Müller Ph.D Social Anthropologist LAIDS CNRS France
Dr. Vic Norris IFR Systems Integres Univ. Rouen France
Dr. Jean-Michel Panoff Microbiologist Univ. of Caen Caen France
Dr. J. Pellet Institut européen d'Ecologie France
Bernard PINTUREAU Ph.D Entomologist INRA France
Christian PRAT Soil Scientist Agronomist in Latin America Institut de Recherche pour le Développement France
Thierry Raffin Sociologue President de 'InfOGM France
Prof. Gilles-Eric Seralini Laboratoire de Biochimie& Moleculaire Univer. Caen France
Jean Stasse Ph.D Post Darwinian Evolutionist Interdisciplinary University Paris France
Christophe Vieren Ph.D Automate Universit des Sciences et Technologies de Lille France
Anwar Abo Amer Ph.D student fluorine chemistry and organometallic chemistry Duisburg Essen University Germany
Hudson Angaye Ph.D student Physics: Analytical atomic spectroscopy and nuclear techniques in analysis University of Duisburg Germany
Dr. Elisabeth Bckling Ph.D Biologist Germany
Dr. Jurgen Boxberger Ph.D Cell and tissue culture ProCellula Germany
Dr. Reinald Doebel Institute of Sociology Rural and Development Soc. Westfaelische Wilhems Univ. Germany
Tarek Elsherif Molecular Biologist TU Munich Germany
Loz Frank Wolfgang Expert in The Vedic Health System Bestselling Author Germany
Brian Gentry Ph.D student Soft matter physics biophysics Germany
Dr. Anita Idel Author and Zoologist Opf. Dorp 17 Barsbek Germany
Martha Martens Biologist Bund Naturschutz in Bayern e. V. Munich Germany
Ilaria Mazzini Ph.D paleontologist Germany
Werner Mittelstaedt President Future Research/Peace Studies Gelsenkir Germany
Jennifer Schmid Ph.D student Plant Ecology; Plant Population Genetic OEkO Institut e.V.; Institute for Applied Ecology Germany
Eckart Stein Physicist Univ. Regensburg Germany
Dr. Beatrix Tappeser Head of Dept. Risk analysis of genetic engineering Institute for Applied Ecology Freiburg Germany
Stefan Thiessen Ph.D Astronomer and Geographer author of several popular science books one on climate change one on the perils of Biotech German Genterror und Lebenspatente independent Germany
Dr. Rebecca C. Wade Molecular Biology Heidelberg Germany
Dr. Christine von Weisekier Ecorga Germany
Frank Wolfgang Research on Vedic Health Food and Bestselling Author Germany
EMMANUEL KWAW M.Sc FOOD SCIENCE STUDENT Ghana
Prince K.N Nkrumah B.Sc Biochemist Development and Advocacy Foundation Ghana
Dr. Maria Caparis Marine Biologist Greece
Yannis Coconis translation Greece
Nicholas Fanourakis Ph.D Vegetable geneticist Technological Education Institute of Crete Greece
Costas Giannakasen Consultant Nuclear Medicine Univ. Patras Medical School Rion-Patras Greece
Prof. Tasos Kouakis B.Sc Geneticist Dept. General Biology & Genetics Medical Faculty Aristotelian University Thessaloniki Greece
Harry Papageorgiou M.Sc Agricultural Sciences Environmental Impact Assessment Greece
Anna Gigli statistical modelling for medicine and biology national research council Greenland
Dr. Christiane Boecker MCommM CommM Community Health Haiti
Kevin Li B.Sc. Hong Kong
Julissa Martin Ph.D student I do not know what your talking abou t idk Hong Kong
Iren Karacsony B.Sc social medicine Hungary
Dr. Ervin Laszlo President The Club of Budapest Hungary
Dr. Fenyvesi Peter Ph.D ONCOVIROLOGY MTOKFI Hungary
www.i-sis.org.uk/list.php
Dr. Nikhil Bragulowskhi Ph.D I am well equipped with all things scientific. The society for science Iceland

Dr. Ibrahim Abdul Azeem Ph.D Effect of acidification on the ecophysiology of freshwater fishes Fatima college of pharmacy kadayanallur 622759 India

Dr. Muhua Achary Environmentalist St. Joseph's College Bangalore India

Dr. TANVEER ANSARI Ph.D Natural Product Chemistry DABUR GROUP India

Dr. Muthukumarasamy Arunachalam Ph.D Fish biodiversity fish ecology conservation of ecosystems Manipramaniam Sundranar university Alwarkurichi Tiruchirappalli Tamil Nadu, India

Prof. Jayapaul Azariah Ecology Environmental Ethics Head of Dept. of Zoology and Director of School of Life Sciences Univ. Madras Chennai India

MOHAN BAJIKAR B.Sc Has introduced important first entry in India biotechnologies Was a Member of Task Force Mission Mode Program of the Dept of Biotechnology Govt of India Fetus Consultants Innovators Pvt Ltd India

Dr. Sarath Babu Baljeepalli Ph.D Research Scientist with experience in collection evaluation and conservation of agrobiodiversity and natural resources management for crop protection National Bureau of Plant Genetic Resources India

Dr. CHANDRESH BORAD Ph.D Ecology Evolution and Conservation Biological Control Research Laboratory India

Dr. Tushar Borse Ph.D Biochemistry University of Pune India

Dr. Gopal Yadav Boyina Ph.D In organic chemistry Sanmar specialty chemicals India

Dr. Gopal Yadav Boyina Ph.D In organic chemistry Sanmar specialty chemicals India

Dr. Sreenivas Burra Ph.D Consultant in Natural Resource management Agronomist AMR APARAD India

Dr. Amar Chouhan Ph.D Master in environment analysis I I ft r India

A. Chandrade coates M.Sc Lecturer in Biotechnology, Mumbai University, India

Dr. Thomas S. Cox Research Geneticist U.S. Dept. of Agriculture Manhattan KS (retired) present address Hyderabad India

Dr. M I H Farooqi Ph.D Plant Chemist NBRI India

Prof.em Jahnani Jahnani M.Sc mol bio agri university Madras India

Dr. Harry Jeyaprakash Ph.D IPM expert contributed to farming communities 35 years in agricultural extension retired as joint director of agriculture India

Dr. Dr Dinesh Kacha M.D Obesity management Benmoon Pharma Research India

Dr. Suhir Kaura Ph.D Organic Farming Molecular Genetics Natural Farming Network India

Dr. Nelson Kochappavu Ph.D Natural Health Rural health India

Prof Rayana Bhavan Kovutarapu M.Sc Agriculture Natural Resources biotech agroeconomy and management withadministration (JAMMA) India

Dr. Dr Bellie Krishnan Ph.D Biological Control Sun Agro Biotech Research Center India

Prof.em Ranjeet Ku Sah B.Eng no study India

Dr. RAJEW KUMAR Ph.D Crop growth modelling fertilizer recommendation Barssica wheat NFCL Hyderabad India

Rajesh Kumar Ph.D student Vegetable Insect Pests of Lepidoptera Indian Agricultural Research Institute Institute

Dr. Joban Madha M.D ayurvedic onco heametologist nisargayurveda India

C. Nanjunda Murthy M.Sc Plant Scientist Karnataka India

Dr. Divyesh Nagar Ph.D organic synthetic chemistry alemic ltd India

Dr. Dr Sankar Narayan Ph.D Environmental Microbiologist KSR college of Arts Science India

Satheesh P M.Sc Grassroots work on food security and organic agriculture in dryland areas and gender Deccan Development Society India

Dr. DR GEEVEE PANDALA M.D virologist India

Dr. DR GEE VEE Pandala Ph.D INVENTIONAL SCIENTIST GVSRSC India

Dr. Parvaiz Qazi Ph.D Recombinant DNA technology regional research laboratory canal road Jammu India

Dr. N. Raghuram M.Sc Plant Molecular Biology Univ. Mumbai India

Dr. Atul Sahai Ph.D Remote Sensing GIS Specialist for Natural Resource Disaster Management HOPE Technologies India

Dr. Shreekant Sapatnekar M.D Community Medicine Haffkine Institute Mumbai India

Prof.em Thangavelu Saravanan M.Sc Scientist in organic Agriculture Agronomist Natural Resources Protection Development Society India

Dr. Sathan Sathan Ph.D Kill Sulthan India

Dr. Chaitanya Sathe Ph.D Industrial water pollution and waste water treatment Hindustan Dorr oliver Ltd India

Dr. Bala Ravi Sekhari Pillar Ph.D Geneticist and Plant Breeder India

Sharad Shah Director of Axo natural foods Vadodara India

Devinder Sharma Geneticist Plant Breeder and Writer Forum for Biotechnology and Food Security New Delhi India

Dr. Vandana Shiva Research Institute for Science and Ecology India

Dr. Dr Shirish Shrivastava M.D Herbal and ethnobotany expert do not favour GM plnts since they disturb the local fl wora SAPRC India

Dr. Dr Shirish Shrivastava M.D Herbal and ethnobotany expert do not favour GM plnts since they disturb the local fl wora SAPRC India

Prof. Arun Shrivastava Management Consultant SEDEM India

Priya Srinivas M.Phil Food Science Katra Phytochem Private Ltd India

Dr. Parshotam TANDON Ph.D Entomophasous Insect Behaviour Biological Control of Crop Pests Project Directorate of Biological Control India

Prof. Thomas Tharayil Ph.D tuiruuluuirurlui India

RANA KRISHNA THOTA M.Sc I ve done project in aqua related to pro biotics and anti biotic in ecology vesper biotech ind ltd India

Prof.em Durga Bhushalal Vakkapati M.Sc VIRAL RNA can be expressed in cytosol on HIV infected T cells university of hyderabad India

Sanjay Vasoya Ph.D organic synthetic chemistry alemic ltd India

Gustav Vaz B.Sc Biotechnology India

Gustavo Vaz B.Sc Biotechnology India

Erwin Adriawan B.Sc Campaigner on Anti GMOs Biotani Foundation Indonesia

Dr. ErnaWati Gender and Rural Development Institute of Indonesia

TOTO HARA Senior Consultant Coordinator ICRD Indonesia Chamber of Resources Development Indonesia

Wasis Krinsdi forest product forest faculty GMU Indonesia

Sina Ahmadi Ph.D Bio technolgits Iran

Arman Ardalan Ph.D student Molecular Evolution NIEGB Iran

Kamran Haeri M.Sc research scientist MPT Iran

Dr. Amir Jalali M.D TIM TCM Unani Ayurveda also I have created a new kind of workout called Jalali System Traditional Iranian Medicine TIM Iran

Saeed Malekzadeh M.Sc yekom Iran

Sajad Noor industrial engineering economic asd Iran

Saeed Yadranj Khagam M.Sc none university of tehran Iran

Prof. Sean McDonagh M.Sc I am a theologian and anthropologist I worked for over 2 years in the Philippines I
have written extensively on ethics and genetic engineering catholic priest Ireland
317 Barry Jude McGuinness Student Of BSc Biomedical Sciences University College Cork Ireland
318 Iris Atzman represent the public we are not lab animals Israel
319 Prof. Rita Alickicn Plant Geneticist Univ. Bologna Italy
320 Dr. Andrea Amadell Molecular Biophysics Assistant professor Un. of Rome Tor Vergata Italy
321 Prof. Dragan Antonino B.Sc History of Physics Bioethics Scientific Committee of Inter Univ. Center on Bioet Italy
322 Prof. Livia Armandli Ph.D Agronomist Italy
323 Dr. Ciro Aurigemma Ph.D. psychologist member of csA CEU/IPV Italy
324 Dr. Giampiero Barbieri Ph.D Chemists GMO analysis laboratory Stazione Sperimentale Industrie Conserve AImentar Italy
325 Dr. Giovanni B Bazzocchi Ph.D Entomologist Agroecologist Universita di Bologna Italy
326 Dr. Stefania Biondi M.Sc Plant Physiologist University of Bologna Dept. of Biology Italy
327 Dr. Ernesto Burgio pediatrician attac Italy
328 Dr. Tiziana Camorani psicologa private Italy
329 Paola Capozzi plant and soil ecology Italy
330 Dr. Fadnando Cerbone psicologo Italy
331 Dr Giorgio Cingolani Agricultural Economist Italy
332 Dr. Alberto Clarizza M.Sc Physicist University of Naples Italy
333 Dr. Raffaeela Comito B.Sc General Practitioner holistic medicine Italy
334 Dr. Immacolata Coraggio Ph.D Plant Molecular Biologist Counsell National Research Italy
335 Dr. Bruno D’Udine Behaviour Ecologist University of Udine Italy
336 Dr. Simone De Ph.D Mathematics Combinatorics National Council of Research Italy
337 Prof. Adriano Decarli Cancer Epidemiology INSt Univ. Milan Italy
338 Stefano Dumontet M.Sc soil microbiologist Universit. Basilicata Italy
339 Dr. Enzo Ferrara M.Sc Metrology in Chemistry IEN EURACHEM Italy
340 Dr. Sergio Francardo B.Sc Anthroposophical medical doctor Gruppo Medico Antroposofico Italian Italy
341 Dr. Alessandro Giuliano Ph.D Biophysics Multidimensional Statistics Istituto Superiore di Sanita Italy
342 Elena Del Grosso Geneticist Researcher Dept Evolutionary & Expol. Biology Univ. Bologna Bologna Italy
343 Dr. Nicolas Kropacek M.D Public Health Free Lance Researcher Italy
344 Dr. Agostino Letardi M.Sc ecotoxicologist E.N.E.A. Italy
345 Prof. Ignazio Licata Full Professor of Theoretical Physics Ist Cibernetica non lineare Italy
346 Dr. Marco Mamone Capria Ph.D mathematician University of Perugia Italy
347 Marco Mamone Capria Ph.D mathematician of history science epistemologist University of Perugia Italy
348 Dr. Paolo Manzelli M.Phil Research in Education on Biochemistry LRE EGO CreaNET University of Florence Italy
349 Dr. Bussolati Mariella M.Sc writer Italy
350 Dr. Carlo Maurizio Modonesi Animal and environmental biology Università di Parma Italy
351 Dr. Karon Mark B.Sc communication & science Fondazione Medikale Internazione Parma Italy
352 Prof. Valeria NEGRI Ph.D geneticist teaches 'Agricultural Genetic Resources' University of Perugia Italy
353 Prof. Francesco Palmirotta Ph.D psycho somatic clinician social work AOP Italy
354 Prof. Mariuccia Papa M.Sc biologist high school teacher Italy
355 Dr. Pietro Perrino Ph.D Plant genetic Resources expert in collection conservation characterisation evaluation and utilisation Time from time time Prof in Botany and Ecology C N R Germplasm Institute Italy
356 Dr. Francesca Salvenmini Ph.D Biologist Consiglio Nazionale delle Ricerche Italy
357 Prof. Steven N Shore Ph.D Physicist University of Pisa Italy
358 Prof. Leopoldo Silvestrini Endocrinologist Univ. of Rome Italy
359 Dr. Francesco Spinazzola M.D infectiologist Italy
360 Roberto Stefani Ph.D student Student of Political Science writing final thesis on GMOs Greenpeace Italy
361 Prof. emeritus Shingo Shikata Hiroshima University; Environmental Sociology and Biosafety Tokyo Japan
362 Prof. Atsuko Shibata Molecular Bologist Osaka Japan
363 Dr Shiron Sugita Plant Geneticist Nagoya U. Japan
364 Dr Noboru Yagishita Plant Geneticist Jap. Assoc. Agro-Nature Tokyo Japan
365 Dr Machiko Yasuokochi PLAN - International Japan Public Relations Team Japan
366 Prof. Jillian BAUSER Ph.D Ecologist Forest Scientist working against any GE Tree development and or planting No GEO introductions without PIC of local people GE free zones a must ECOTERRA Int’l var East African Universities Kenya
367 Wycliffe Wanza Ph.D student Naturalist University of Nairobi Kenya
368 Dr. Georges Mailillet B.Sc. Pulmonologist Luxembourg
369 Mohd Rosli Hassan M.Sc Smart Material university Putra Malaysia Malaysia
370 Al Hanisham Mohd Khalid International Law Lawyer University Utara Malaysia Malaysia
371 Dr. Rosil Omar Ph.D Artificial Intelligence Universiti Malaya Malaysia
372 Prof. Elena Alvarez Buylla Ph.D Molecular Genetics of Plant Development and Evolution UNAM Mexico
373 Douglas Hinds Dir Gral Center for Community and Rural Development National Coordinator for Organic Production National Confederation of Rural Property Owners Dir of Sp CeDeCoR CNPR CSNI ISHS Mexico
374 Prof. Andres F Keiman Ph.D student Populations Ecology and Forest Conservation Universidad de la Ciudad de Mexico Mexico
375 Prof. Alberto R. Miranda Biologist Environmental Public Education Cuemavaca Mexico
376 Rodriguez Mitchell Nemesis Anthropologist PNUD INI Mexico
377 Dr. Ronald Nigh Ph.D anthropology specialty in agroecology biodiversity environment; member of SNI CIESAS Mexico
378 Dr. Enrique Vargas Ph.D Molecular Immunology Universidad Veracruzana Grupo L dico Mexico
379 Dr. Ilya Trombitsky Ph.D BIOTICA Ecological Society Moldova
380 Prof. Si Bennassour ALOQUI Ph.D Organic farming and alternative crops Institut Agronomique et Vétérinaire Hassan II Morocco
381 Prof. Lahcen Kenny Ph.D Oraganic Agriculture and Horticulture IAV Hassan II Morocco
382 Mukti Ram Chapagain Organic agriculture Nepal Organic Agriculture Ctr NOAC Pvt Ltd Nepal
383 M R Chapagain Organic Sustainable Agriculture and Rural Development Nepal Organic Agriculture Ctr Nepal
384 Maheswar Ghimire Organic Agriculture Promotion and Inspection Ecoscentre Nepal
385 Prof. Jiwan Rai M.Sc biochemist nepal organic association Nepal
386 Prof. em. Bechan Raut M.Sc Medicinal Botanist Pokhara University Nepal
387 David Baillie B.Sc Deep Ecologist Naturpath NZ Forest Gardening Research Harmony FarmOf Harmony Farm New Zealand
388 Dr. Robert Anderson Physicist Nuclear Medicine Technical Institute Hamilton New Zealand
389 Dr. Troy Baisden D Ecosystem Science (Soil Science/Ecology) Landcare Research New Zealand
390 Marie Buchler M.Sc Zoology masters editor and journalist and university tutor Bio Dynamic Farming and Gardening Association New Zealand
391 Dr. George Coghill Software Engineering University of Auckland New Zealand
World Scientists Statement

Dr. Bernard Conlon B.Sc Rural GP New Zealand
Dr. Tim Ewer Physician Mapua Health Centre Nelson New Zealand
Dr. Michael Goldstein General Practitioner Taura New Zealand
Brendan Hoare M.Sc Organic systems sustainable design integrated land management UNITEC ecocation 2020
Organic Federation of NZ New Zealand
Sigrid D. Houlette B.Sc. B.Sc. Solid Waste Manager Environmental Engineering Local Government Lower Hutt New Zealand
Jessica Hutchings Ph.D student Maori environmentalist Maori science and resource management Lecturer Faculty of Science Victoria University New Zealand
Hussia Keshaw M.Sc Molecular Biology The University of Auckland New Zealand
Dr. Peter King Ph.D Sociologist Family Centre Social Policy Research Unit New Zealand
Dr. Lammers Mecha Consultant Revesation Ecologist Wellington New Zealand
Dr. Shona L. Lamoureux Plant Ecology Christchurch New Zealand
Dr. Ruth Lawson Ph.D Parasite Epidemiologist and GE Campaigner New Zealand
Helmut Lubbers M.Sc ecologist ecology discovery foundation new zealand New Zealand
Dr Robert Mann Ecologist Auckland New Zealand
Dr. Ted Ninnes Ph.D Sociology and Psychology University of Waikato New Zealand
Robin W. Ord Molecular Geneticist Law Student Hamilton New Zealand
Tara Satyanand M.Sc Molecular genetics University of Auckland New Zealand
Dr. Sean Weaver Ph.D Environmental Policy Victoria University of Wellington New Zealand
Dr Colin Wells Director of Energy Management Dept of Physics University of Otago New Zealand
Katharine White I am an experienced artist and G E Free H B N Z campaigner I am and have been in the position to put my graphic expertise to use in the cause of the planet T L C Wellington and E I T Hawke s Bay New Zealand
Dr Peter R Wills Theoretical Biology Univ. Auckland New Zealand
Leong Yap Ph.D Ergonomist Industrial Designer Massey University New Zealand
Dr. Emmanuel AFOLABI Ph.D come and be healed physiotherapy and ecology Nigeria
Dr. Ralph Nwaokoro Ph.D ECOTOXICOLOGY UNIVERSITY OF LAGOS Nigeria
Azeel Bolaji Odewun M.Sc National association of science students Nigeria
Dr. Ingrid Olesen Senior Researcher Science Institute of Aquaculture Res. Ltd Norway
Dr. Lars Rasmussen MD MD General Practitioner Univ. Oslo Nesmali Norway
Dr. Hussain Ahmad M.Sc fermentation sold state fermentation koji university of veterinary and animal sciences lahore Pakistan
Dr. Obaid Ali M.Phil Bioavailability and Pharmacokinetic studies Govt of Pakistan Pakistan
Dr. Muhammad Bilal M.Sc research work on maize mnr yusafwala sahiwal pakistan Pakistan
Dr. Shakeel Farooqi Ph.D Genetics University of Karachi Pakistan
Muhammad Imran Imran Biochemist damask 786 Pakistan
Farhat Jabeen Jabeen B.Sc biotech biotech Pakistan
Dr. Omer Khayyam M.Sc food research progame food research Pakistan
Dr. Washdev Malhi Ph.D student whole souls and mind control jai jai jeeke Pakistan
Sajjad Naqui M.Sc University of Karachi Pakistan
Dr. Mian Qaseem Ph.D Nucler Magnetic Resonance Retired Educational Adviser Govt of Pakistan Pakistan
Dr. Tasneem Rizvi Ph.D Molecular Biophysics, PCSIR Laboratories Complex Lahore PAKISTAN. Pakistan
Madiha Saeed Rizvi B.Sc Dept of Biotechnology University of Karachi Pakistan
Dr. Naweed Yusuf M.Phil veterinarian university of veterinary and animal sciences lahore Pakistan
Prof. Eric Jimenez Ph.D none Aquatic Panama
Ethel Japeth B.Sc none police Savings & Loan Papua New Guinea
Dr. Sergio Barrio Tarnawiecki Science Policy National Research Council of Lima Peru
Dr. Pedro Angelo Jr H2O Impakybay founder Philippines Jr
GEONATHAN BARRO Doing Anti GMO campaigns coordinates with other NGOs on our Anti GMO GE stand
KALITAWHAN WORKING GROUP ON BIODIVERSITY Philippines
GEONATHAN BARRO Coordinator Coordinates with NGOs POs and other Organizations on Anti GMO campaigns and other related issues and concerns KALITAWHAN WORKING GROUP ON BIODIVERSITY Philippines
Paterno Borlagdan M.Sc Agricultural Engineer Filipino Inventors Society Philippines
Javier M Claparols Agriculture Rice Sugar Aquaculture Milifish Bangus shrimp Businessman Ecologist Ecological Society of the Philippines Philippines
Antonio M CLAPAROLS M.Sc Ecologist farmer marine and terrestrial biodiversity economics Ecological Society of the Philippines Philippines
Johnny Danganan B.Sc lay out author in publications Sustainable Agriculture advocate Philippines
Dr. Clint ESCO Ph.D student Expert in psychology concerning students PICHEES and PIDO Philippines
Dr. Pamela G. Fernandez Agronomist U. Philippines Los Banos Philippines
Deililah Galang B.Sc Special Therapy Consultant Cancer Council Philippines
Dr. Richard Kharpungal Ph.D Agronomist U Philippines Philippines
Prof. Mark Erick Magbanua Ph.D student no Philippines
Prof. Mark Erick Magbanua M.Sc metro manila Philippines
Rem Malayan University of Philippines Los Banos Laguna Philippines
FRANCIS MORALES M.Phil Advocacy Officer of MASIPAG Mindanao MASIPAG Philippines
Charles T. Olsen D.C. Chiropractic Clinic Davao Clinic PSRAST Philippines
Prof. Marlon Pareja Ph.D student Cell and Molecular Biology Wildlife Conservation Society of the Philippines Philippines
Nicanor Perlas B.Sc Agricultural Scientist and Ecologist Sustainable Agriculture Specialist Center for Alternative Development Initiatives Philippines
Dr. Romeo F. Quijano Pesticide Action Network Pharmacologist/Toxicologist Philippines
Dr. Dante Jr Simbulan Ph.D Neuropsychology De La Salle University Health Sciences Campus Philippines
Dr. Jaime A Sison Animal Nutrition and Feed Milling Aqua Ace Nutrition Inc Philippines
Dr. MARVIN UMALI M.D pediatrician doctors of the philippines Philippines
Prof. Oscar B. Zamora Agronomist U. Philippines Los Banos Philippines
Prof. Joel Mckevin Zamora Ph.D b s of s and t psu Philippines
Dr. Szymczuk Ryszard Ph.D methodology of cultivar testing wildlife conservation Poland
Prof. Vicinzenzdzu Itunculu M.D biochemistry portuguy university Portugal
Rui Pereira M.D General Practice Portugal
Prof. Clara Queiroz Ph.D Geneticist Retired University of Lisbon Portugal
Robert Mann Ph.D student Coconut Portugal
Dr. Margarida Silva Molecular Biologist Portuguese Catholic Univ. Portugal
Fr. Francisco J.C.M. Teixeira Researcher Geophysics Geological and Mining Institute Lisbon Portugal
Fatima C. Teixeira Researcher Marine Geology Lisbon Portugal
Carlos Altieri M.Sc Toxicity and pesticides in water Health Environmental Department Puerto Rico Puerto Rico

Nelson Alvarez JOD Sociologist and Lawyer Agriculture and development consultant Puerto Rico

Dr. Clara Carrazco Ph.D Molecular Biology and Genetics Puerto Rico

Dr. Shridhar Devidas Ph.DBasically an Ecologist turned environmental management system specialist advocating sustainable resource use among the industries Bureau Veritas Qatar

Dr. Joseph Mezei M.D quantum medicine Medical Center Tiongkian Romania

Prof. Vladimir Kuznetsov Ph.D Plant Physiology and Biochemistry Institute of Plant Physiology RAS Russia

Dr. Ali Mohammed Ph.D Chief executive officer Companies Saudi Arabia

Prof. WAJ SALAH B.Sc BIOTECH Saudi Arabia

Prof. Vladimir Adjacic Ph.D nuclear physics carcinogenesis none retired Serbia

Peter Sevich Ph.D student Serbia

Glenn Ashton Director Ekogaia Foundation and Green Party South Africa

Dr. Brigitte N.B. Schwabe-Berg Medical Officer Groote Schuur Hospital Cape Town South Africa

Ben Van Der Walt Director in Nutritional Advisory Forum Agree on the concern of Genetically Manipulated Food

GNDL South Africa

Nicole Venter The Southern Health Ecology Institute SASE South Africa

Dr. SangSoo Hur Ph.D. Lecturer University of Science and Technology Sungkonghwe University South Korea

Prof. Suk Hwan Kim Ph.D Sociology of Science and Technology Kookmin University South Korea

Bingbin LU International Law Transnational Law and Business University TLBL South Korea

Prof. Gregorio Alvar Biotechnologist. Computus U. Madrid Spain

Javier Blasco Aragones C. for Rural Cnt of Spain

Prof. F. Pura Duart-Soler Sociology Univ. Valencia PSRAST Spain

Prof. Ernest Garcia Ph. D. Ph. D. Sociology Univ. Valencia Dept. Sociology I Anthropology Social Spain

Dr. Andres MAGANA B.Eng electronic instrumentation escorial sostenible Spain

Andres Magana Garcia B.Sc world heritage freelance consultant escorial sostenible Spain

Dr. Pablo Malo Psychiatrist Consultant Mental Health Center Bilbao Spain

Jose Ramon Olarieta Ph.D Soil Science Agriculture Land use Univeritat de Lleida Spain

Dr. Rosario Sierra De Grado Ph.D Forest geneticist University of Valladolid Spain

Dr. Jagath Perera B.Eng electrical engineering use among the industires Sri Lanka

Adil Hassan Ahmed Abdelmageed Ph.D student Breeding of vegetable crops Vegetabilist researcher and lecturer University of Khartoum Sudan Sudan

Dr. Kamal El Siddig Ph.D Tree eco physiologist Sudan

Dr. Isameldeen Khair Ph.D Education and training Sennar University Sudan

Dr. Balgis Osman Elasha Ph.D Environmentalist Higher Council for Environment Natural Resources Sudan

Dr. Bo Dahlén Education Science Karlbsard University Karlbsard Sweden

Folke G Nother Ph.D student Sustainability issues and Ecological Engineering Systems Ecology Sweden

Prof. Evangeli N. Gurmesson Professor Management Stockholm Management Sweden

Folke Gunther Ph.D student Sustainability issues and Ecological Engineering Systems Ecology Sweden

Said O. Holmin Lic. Technology Rector Computer Science College of Creative Computer Science Stockholm Sweden

Dr. Katarina Leppanen History of Ideas Gothenburg Uni Sweden

Dr. Jaan Suurkula Physicians and Scientists for Responsible Assessment of Science and Technology Stockholm Sweden

Dr. Daniel Amman Cell Biologist Tech. Switzerland

Dr. Charles Beard M.D General Practitioner CNBPharma Switzerland

Ruth Goseth Dermatologist ISDE Switzerland

Florianne Koechlin Biologist World Wildlife Fund Switzerland

Dr. Nicole Maestrazzi Beard Ph.D Microbiologist Virologist Immunologist Serono International Switzerland

Yvan Maillard dipl. Sc. Nat. ETH Environmentalist Ecology Fribourg PSRAST Switzerland

Yves Schatzle Agronomist and Economist Switzerland

Verena Soldati Biotechnologist Basler Appell Switzerland

Dr. KuoChi Yeh M.D Geriatric Public Health and Hospital Administration medical legal Taipe City Hospital

Zhongqing Branch Taiwan

Arend De Haas M.Sc Conservation Ecologist African Conservation Foundation Tanzania

Mwanaidi Kafuye M.Sc HOLDER IN BIOCHEMISTRY NATIONAL INSTITUTE FOR MEDICAL RESEARCH Tanzania

Dr. William Kisinha Ph.D Epidemiology Public Health Specialist National Institute for Medical Research Tanzania

Daniel Minja B.Sc PARASITOLOGY & MICROBIOLOGY NATIONAL INSTITUTE FOR MEDICAL RESEARCH. Tanzania

Acleus Rutta M.Sc Immunologist National Institute For Medical Research Tanzania

Dr. Peter Burt Ph.D Water Quality Management Prince of Songkla university Thailand

Jidhonghong Jayavasu Ph.D Medical Virologist Arogya Smasi Thailand

Prof. Omboom Luanrattana Pharmacology Univ. of Mahedol Bangkol Thailand

Piengporn Panutampon biology/medical biology Biothai (Thai Network on Community & Biodiversity) Thailand

Prof. Reungchai Tanskul Ph.D Biologist Prince of Songkla University Thailand

Lianchamroon Witoon Sustainable agriculture Biothai Thailand

Jaroen Compeerapap Environmental Law and Development Center The Netherlands

Hamers M.Sc Ecologist The Netherlands

Teddje Van Asseldonk M.Sc biology phythotherapy inst e ethnobotany zoopharmacognosy The Netherlands

Dr. Siirsel Tas Dizdar Ph.D Radiation Oncology Turkey

Prof. KANYANDAGO Peter Ph.D Expert and researcher in endogenous knowledge and African cultures Uganda

Martys University Uganda

Dr. Michael L. Abrahams (retired) Aeronautics Bristol PSRAST UK

Maryam Al Alami Ph.D student Science in Society civic and stakeholder participation GM food law Manchester Metropolitan University UK

Michael Alexander M.Phil Theoretical Physics UK

Chris Anthony B.Sc Qualified amateur UK

Janey Antoniou M.Sc Molecular Biologist UK

Dr. Michael Antoniou Molecular Geneticist Guy's Hospital UK

Paula F. Baillie-Hamilton Academic Researcher on Pesticides Perthshire UK

Susan Bardocz Geneticist Aberdeen UK

Dr. Jeremy Bartlett Plant Molecular Geneticist (formerly John Innes Institute) UK

Manoel Bascoi Geneticist PhD Candidate JII UK

Dr. David Beasley Genetic Algorithm University of Bath UK

Dr. David Bellamy Biologist and Broadcaster London UK

Lynda Birke Biologist Liverpool Uni. Veterinary School UK

David A.H. Birley General Medical Practitioner Swindon UK

Sarah Blenkinsop B.Sc Environmental Consultant/Campaigner/Organic grower Planet Services Environmental
Maria Harrington currently working on my Masters of Science in Nutrition at Bastyr University USA

Prof. em. Kristi Harris B.Sc plant molecular biology murray state USA

Paul C. Helgeson BSME Senior Engineer Middleton WI USA

Gosha Hello Company inc USA

Prof. Martha Herbert Pediatric Neurologist Mass. Gen. Hosp. USA

Patrick Hickey Ph.D Resource renewability and quality of life Sedona Recycles USA

Daniel J. Highkin Internist Vancouver Washington USA

Dr. Joseph Hilou Clinical Nutrition Chiropractic USA

Dale Hoover Organic food eater USA

Heidi Horn interested in what I eat sebastian USA

Evelynne Juchheim John E. Hotchkiss Ph.D Ethnography of Indigenous Botanical Systems USA

Dr. Paul Houle Ph.D Theoretical Physics USA

Dr. Philip H Howard Ph.D Rural Sociology Rural Coalition Washington DC USA

Prof. Ruth Hubbard Biologist Harvard University USA

Andrew J. Hund Sociologist Arcata USA

Panatey I Like Your Site Company inc USA

Alex Jack Planetary Medicine Jushi Institute Becket Mass USA

Soraya Jacob student USA

Eric Jacobson Ph.D Medical anthropologist Dept. of Social Medicine Harvard Medical School USA

Dr. Michael Janson General Practitioner Nutrition Cambridge USA

Emile C Joel B.Sc Research Chemist Retired Smithsonian Institution USA

Robert W. Johnson Material Scientist DSM Desotech Elgin Illinois USA

Christine Johnston Ph.D student oncology USA

Dr. Gary P. Kaplan Assoc. Prof. Neurology North Shore Univ. Hosp. NYU School of Medicine Mass USA

Dr. Arlene M. Kellman D.O. Physician Tucson USA

Prof. Jonathan King Molecular Biology MIT Cambridge Council for Responsible Genetics USA

Rev Thomas Klein Orthodox Priest USA

Dr Jack Kloppenburg Un. Wisconsin Rural Sociologist USA

Heidel A. Kratsch R.D. Student Plant Physiology Univ. Wisconsin USA

Dr. Louis H. Krut MK CHB.:MD St. Louis Univ. Medical School Missouri USA

U.V. Kurzeli Ph. D. student U of Michigan USA

Dr. Marc Lappe Geneticist and Director CETOS CA USA

Dr. Chris Lawrence Ph.D Extensive work in science education outside the box USA

Prof. Mark X M Lei Plant genomics and breeder in rice and kenaf University of California Chinese Alumni Associatio USA

Prof. Xiaomao Lei Research and Education in agricultural sciences University of California Chinese Alumni Associatio USA

Dr. Herman Lerner M.D Nutritionally oriented physician USA

Dr. Barry Lia Ph.D sustainable agriculture USA

David Lindley USA

Sean Lyman Student Gettysbury College USA

A J Maimbourg Keen desire to see GM foods banned due to potential health problems USA

Dr. Timothy Mann Geographer Hampshire College USA

Hugh Mann non pharmaceutical health education organicMD org USA

Anne-Marie Mayer Ph. D. student Nutrition Cornell Univ. USA

Christine McCullum Ph. D. student Nutritional Sciences Cornell University USA

Lynn V. McIndoo Student Environmental Resources Engineering Humboldt State Univ. Arcata USA

Dr. Dwight McKee M.D Am Board of Int Med certified in Internal Medicine Medical Oncology and Hematology Strong background in clinical nutrition immunology and holistic med USA

Vuejuan McKersen M.Sc Natural Resource Manager U. Michigan USA

Dr. Joan P Mencher Ph.D Cultural Anthropologist work on issues of agriculture including sustainable agriculture primarily in India Involved in fights against GMOs and issuesof the co Lehman College of CUNY and CUNY graduate Center USA

Dr. Stephen L. Mikessell Anthropology and Political Ecology Univ. Wisconsin Madison USA

Dr. Bill Misner Ph.D Nutrition E CAPS Inc USA

Leuren Moret Ph.D student Independent Scientist expert in radiation and public health Past President Association for Women Geoscientist USA

Dr. Usha Mukhtyar M.D. Consultant Gynecology Obstetrics Bronx New York USA

Najeeba Naja Ph.D THE QURAN IS TRUE MANKIND ARE U DEAF DUMB BIND WERE U OR WERE U NOT A DROP OF SPERM ISN'T THE ONE WHO GIV E LIFE able to GIVE LIFE TO THE dead THE HUMAN RACE I ISLAM IS TRUE USA

Elaine Needham Illustrator researcher writer speaker none USA

Prof.em JB Neillands Ph.D Professor of Biochemistry Univ Calif Berkeley USA

Prof. Stuart A. Newman Developmental Biology New York Medical College Valhalla New York USA

Panatey Nice To See Your Site Is Being Updated Company inc USA

Lenia S Nicolai Ph. D. student University of Michigan USA

Dr. Ingrid C. Northwood Biochemist Simon Fraser University USA

Dr. Ronald E. Ophansh Adjunct Faculty Geology Physics Maharishi University of Management Fairfield USA

Trina Paulus food issues sculpture writing Hope For the Flowers USA

Marial Peellie Biol./Anthropologist Undergrad. Swarthmors College USA

Dr. Ivette Perfecto Associate Professor, School of Natural Resources and Environment University of Michigan USA

Dr. Ivya Sandra Perlingieri Ph.D author The Uterine Crisis 2003 independent scholar USA

Chris Picone M.Sc. Soil Microbiologist U. Michigan USA

John Pierre B.Sc Concerned Citizen USA

William Pizer Many years as an organic farmer Schoharie Certified Organic Hydroponic Greenhouses USA

Dr. Vasiliki Pierou Ph.D Physics USA

Dr. Gregory Pratt Ph.D Air pollution Minnesota Poll Contr Agency Univ of Minnesota USA

Dr. James W Prescott Ph D Ph.D Developmental Neuropsychologist Cross Cultural Psychologist See www violence de Institute of Humanistic Science USA

Linda Prout M.Sc nutrition writer speaker consultant Lifefit USA

Dr. Caros R Ramirez Biologist ST Lawrence University USA

Prof. Philip J. Regal Dept. Ecology Evolution and Behavior Univ. Minnesota St. Paul USA

Corinna Richards Ph.D student sociologist (health and biotechnology) AmbiguousMedia USA

Prof. R.H. Richards Professor of Integrative Biology University of Texas Austin USA

Claudia Riumallo Mother concerned about her children future health Mother USA

John Robb permaculture USA

Dr. Susan L. Roberts MSRDLD Health and Nutrition Sue Roberts Health Concepts USA
Annika Rockwell Certified Nutritionist Consultant RockwellNutrition com USA
James Rose Cephalic Institute USA
Dr. Peter M. Rosset Ins. for Food and Development Policy USA
Prof. Philip B. Rudnick Emeritus Chemistry West Chester Univ. Pennsylvania PGRST USA
Dr. Arthur Rybeck D.D.S. Dentistry and Organic Farmer Wheeling USA
Dr. Elizabet Sahtouris Biologist & Author USA
Dr. Elisabet Saltoursis Ph.D evolution biologist futurist Living Systems Design USA
Dr. Barnett Saltzman M.D. 30 yrs of medical research expertise public health board cert psychiatrist USA
Thomas J. Saunders Student Environmental Science Humboldt State Univ. Arcata USA
Dr. Stephen Scanlan Ph.D Global inequalities international development and food security University of Memphis Department of Sociology USA
Dr. Derek Scholes Ph.D Geneticist New York State Dept of Health USA
Dr. Nancy A Schult Entomologist U of Wisconsin-Madison USA
Dr. Brian Schultz Ecologist Hampshire College USA
Dr. Kathy Schwab Health Researcher MPH RD LD Center for Health Research Portland Oregon USA
Prof. David Schwartzman Geochemist Howard Uni. Washington DC USA
John Scibetta B.Sc Protein Chromatography Amesham Pharmacy Biotech USA
Dr. Linda Jean Sheperd Biochemist Gaia Blessings USA
Colleen Shepard Wholistic Energy Therapist USA
Prof. Michael Sheridan Ph.D Environmental Anthropologist Middlebury College USA
Dr. Jacob Silver Ph.D Political Scientist Social Analyst Huron Mountain Research Services USA
Dr. Joseph Simcox Ph.D student Food Plant Diversity and Germplasm The Rare Vegetable Seed Consortium USA
Witold Skiba Ph.D Theoretical Physics MIT USA
Dr. Gerald Smith Zoologist U. Michigan USA
Kim Smith I consume only organic and food desire to see a ban put on GM as soon as possible USA
Kristina Smith Jacoba B.Sc agronomist USA
Dr. John Soluri Historian of Science Carnegie Mellon U USA
Doreen Stabinsky Geneticist International Environmental Politics and Policy California State University at Sacramento USA
Irl Stalcup Corporate Training LA County Dept of Parks and Recreation USA
Emma Steen Dietician (retired) Portland USA
Dr. Jesse Stewart concernment for the application of education and assuring the liberty freedom and unity in life F H USA
Pamela Stimler B.Sc Board Certified Internist USA
Prof.em Budalur Thiyagarajan Ph.D organic chemistry retired USA
Dr. Patricia Patterson Tursi Ph.D My Dissertation concerned Mind Body Interactions I have studied health for 40a years I am a master gardener and former organic farmer SW Missouri Organic Association USA
Prof. John Vandermeer Biologist Univ. Michigan Ann Arbor USA
Rosa Vazquez Student in Biology Ohio State University USA
Susan Vegors Psychologist Consultant Soutech Indianapolis USA
Prof. Robert Vernon Heimer Ph.D The study of brain chemistry during psychotic episodes none USA
Paul Von Hartmann B.Sc Ecologist biodynamic agriculturist Project P E A C E USA
Prof. Kenneth G. Walton Neurochemist Vedic Medicine Maharishi Univ. IA USA
Dr. Bruce West Ph.D DC Editor Health Alert Most renowned expert in the use of phytonutrients for cardiac patients with more patients than any living doctor Health Alert Newsletter USA
Ryan White Student St Lawrence University USA
Paul Whiston M.Sc healthcare administrator USA
Dr. George M. Woodwell Director The Woods Hole Research Center USA
Dr. Geranne M. Wuerthele Toxicologist Toxicology & Risk Assessment federal regulatory agency Denver USA
Dr. John Zambara M.D. Cardiology Fullerton USA
Dr. M Zamir Ph.D Research Scientist University USA
Prof. Miguel Angel Nunez M.Sc 14 years working and researching in Agroecological Sciences in the tropical areas of Latin America IPAT Venezuela
Judo Eduardo Perez Genetics of Marine Organisms Universidade de Oriente Venezuela
Taurai Mutanda M.Sc Biotechnologist University of Zimbabwe Zimbabwe

1. See World Scientists' Statement, Institute of Science in Society website <www.i-sis.org.uk>
2. See Ho, M.W. and Traavik, T. (1999). Why Patents on Life Forms and Living Processes Should be Rejected from TRIPS – Scientific Briefing on TRIPS Article 27.3(b). TWN Report, Penang. See also ISIS News #3 and #4 <www.i-sis.org.uk>
7. Department of Sociology USA
10. This is now admitted in an astonishing series of articles by Shereen El Feki in The Economist (March 25, 2000), hitherto generally considered as a pro-business right-wing magazine.
13. US Department of Agriculture now holds two new patents on terminator technology jointly with Delta and Pine. These patents were issued in 1999. AstraZeneca are patenting similar techniques. Rafi communique, March, 2000
17. Farmer’s Declaration on Genetic Engineering in Agriculture, National Family Farm Coalition, USA, <nffc@nffc.net>
20. MAFF Fact Sheet: Genetic modification of crops and food, June, 1999.
29. See Wraight, C.L., Zangerl, R.A., Carroll, M.J. and Berenbaum, M.R. (2000). Absence of toxicity of *Bacillus thuringiensis* pollen to black swallowtails under field conditions. *PNAS Early Edition* www.pnas.org; despite the claim in the title, the paper reports toxicity of bt-pollen from a high-expressing line to swallowtail larvae in the laboratory. The issue of bt-crops is reviewed in "Swallowing the tale of the swallowtail" and "To Bt or Not to Bt", *ISIS News #5*
33. The secret memorandum came to light as the result of a civil lawsuit spearheaded by lawyer Steven Druker against the US FDA, May 1998. For details see BioIntegrity website: <www.biointegrity.com>


61. Peter Rosset, Food First Institute.
Global opposition to genetically modified foods has grown wider and stronger as more countries ban artificial foods and ecologists and consumers take to the streets to protest against synthetic plant hormones. In the UK, more than 800 scientists have now signed the Open Letter from World Scientists to All Governments Concerning Genetically Modified Organisms, an ongoing statement dating to 1999 and updated constantly. The letter urges the US Congress “to reject GM crops as both hazardous and contrary to the interest of family farmers; and to support research and development of sustainable agricultural methods that can truly benefit family farmers all over the world.” Open Letter from World Scientists to All Governments Concerning Genetically Modified Organisms (GMOs). December 9, 2012.

22. The scientists are extremely concerned about the hazards of GMOs to biodiversity, food safety, human and animal health, and demand a moratorium on environmental releases in accordance with the precautionary principle. They are opposed to GM crops that will intensify corporate monopoly, exacerbate inequality and prevent the essential shift to sustainable agriculture that can provide food security and health around the world. They call for a ban on patents of life-forms and living processes which threaten food security, sanction biopiracy of indigenous knowledge and genetic resources and violate basic human rights and dignity. Open Letter from World Scientists to All Governments Concerning Genetically Modified Organisms (GMOs). at Institute of Science in Society, http://www.issis.org/. Signed by 445 scientists from 54 countries. See who has signed from your country.* The scientists are extremely concerned about the hazards of GMOs to biodiversity, food safety, human and animal health, and demand a moratorium on environmental releases in accordance with the precautionary principle. * They are opposed to GM crops that intensify corporate monopoly, exacerbate inequality and prevent the essential shift to sustainable agriculture.