



**Memo n° 21 : Prof. Gilles-Eric SERALINI**

**Academic Research- FRANCE**

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## **BIOGRAPHIE :**

Gilles-Éric Séralini is a French biologist, co-founder of the CRIIGEN, a professor of molecular biology at the University of Caen and a warning alert. He is also a member of the Scientific Council of The Organic Center, an association affiliated to the Organic Trade Association in the United States.

In particular, he made himself known to the general public for his studies on GMOs and pesticides and in particular in September 2012 for a toxicological study carried out by CRIIGEN calling into question the safety of genetically modified maize NK 603 and Roundup on The health of rats.

This study, and its media coverage, was controversial, and was refuted by some scientists. The Court of First Instance of Paris ruled in two lawsuits that Gilles-Éric Séralini was the victim of defamations.

In January 2002, Gilles-Eric Séralini received the Price "Denis Guichard 2001" for all his researches, his expertise on GMOs and his activities for an independent and ethical scientific evaluation". In 2008, he was made Chevalier of the National Order of Merit, on the proposal of the Ministry of Ecology for his entire career in biology.

In February 2012, the CRIIGEN website announces the "International Scientist of the Year 2011", awarded to Professor Gilles-Éric Séralini by the International Biographical Center of Cambridge, for his researches on the effects of GMOs and pesticides on health ".

In 2015, Gilles-Eric Séralini is co-winner of the 2015 Alert Launcher Prize awarded by the International Association of Atomic Weapons Lawyers (IALANA) and the Federation of German Scientists (VDW).

## MEMO by Prof Gilles-Eric SERALINI

August 2016

### HOW MONSANTO COMMITTED CRIMES PROVOKING MILLIONS OF DEATHS AND DISEASES

**Presentation of the very last research published from Prof. Séralini's group (in bold below).**

- 1) Fraudulent declaration of active product called glyphosate, in fact very poorly active

**Background:** Glyphosate based-herbicides (ex. Roundup) are the major pesticides used in the world; around 80% of agricultural GMOs have been modified to be Roundup tolerant, thus to be able to absorb high quantities of this glyphosate and its formulants without dying. A major debate throughout agencies in the world has been raised in 2016 to know if glyphosate was a probable carcinogen (some of our research papers have been cited by WHO for that) or not. *We demonstrate that this debate is out of the way and how millions of deaths and diseases can follow and are hidden this way.*

**Glyphosate is not an herbicide at agricultural concentrations (Séralini JBPC 15, 2015, joined) but at levels 10 times higher.**

However, it has been declared as such by Monsanto and other companies from the Glyphosate Task Force. Thus, it is regularly repeated in the press, by agencies and by environmental NGOs that glyphosate is an active ingredient with herbicidal properties, just because of Monsanto's declaration. This is a major fraud.

- 2) Fraudulent declaration of products supposed to be inerts which are in fact highly toxic

**Other Roundup formulants from petroleum distillates are herbicides and around 1,000 times more toxic at agricultural concentrations than glyphosate itself.**

However, they have been declared as inerts and confidential by Monsanto, this is a second major fraud, they are in fact the real active ingredients.

**Similar findings were obtained for the toxicity on human cells, mammals or other animals. Formulants are around 1,000 times more toxic than glyphosate, and more endocrine disruptors below toxic levels (Mesnage et al., Toxicology, 313,**

2013; Defarge et al., IJERPH, 13, 2016, Mesnage et al., FCT, review, 2015, joined).

However, because glyphosate alone has been declared as the active ingredient, it is tested alone at regulatory levels by Monsanto on a long term on mammals and thus regulatory authorities accept low toxicity findings and high residual levels in tap water or food, evidencing no major toxicity, but with the wrong product. We have previously demonstrated that Roundup in water – not glyphosate alone - at very low levels (0.1 part per billion) was highly toxic for kidneys and liver, endocrine disruptor and tumorigenic. (Séralini et al., ESEU, 2014).

**To test the long term toxicity of *glyphosate alone* in regulatory tests (performed by Monsanto; this is a usual practice for pesticides to test on a long term the declared active ingredient alone) results in a third fraud provoking major diseases by millions of cases up to deaths.**

**OTHER MAJOR FINDINGS WILL BE REVEALED IN FRONT OF THE TRIBUNAL.**

**OF COURSE IT WILL BE ALSO EXPLAINED IN FRONT OF THE TRIBUNAL THAT NUMEROUS THREATS HAVE BEEN RAISED AGAINST PROF GE SERALINI, WHICH HAS RECEIVED FOR THAT THE INTERNATIONAL WHISTLEBLOWER AWARD FROM THE FEDERATION OF GERMAN SCIENTISTS IN 2015, AND FROM IALANA (SCIENTIS AGAINST NUCLEAR ARMS). A BOOK WAS WRITTEN AND TRANSLATED IN ENGLISH EXPLAINING THAT (G.E. Séralini and J. Douzelet, Culinary pleasures or hidden poisons, Actes Sud, 2014). Monsanto has also made pressures against his scientific publishers (Séralini et al., Conflicts of interests, ESEU, 2014, joined).**