

BIOLOGICAL EFFECTS OF ELECTROMAGNETIC INFORMATION IMPRINTED INTO WATER

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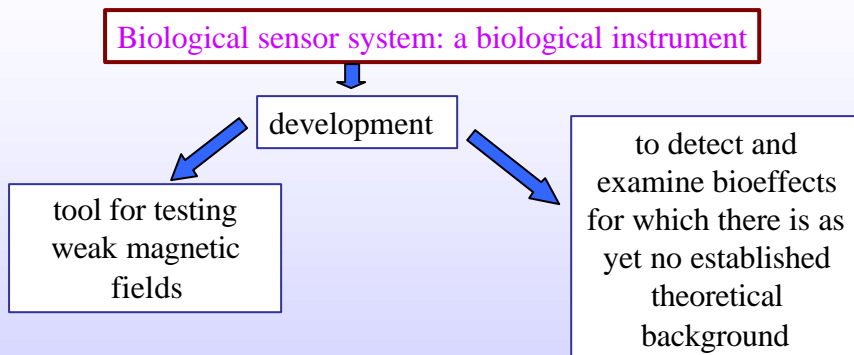
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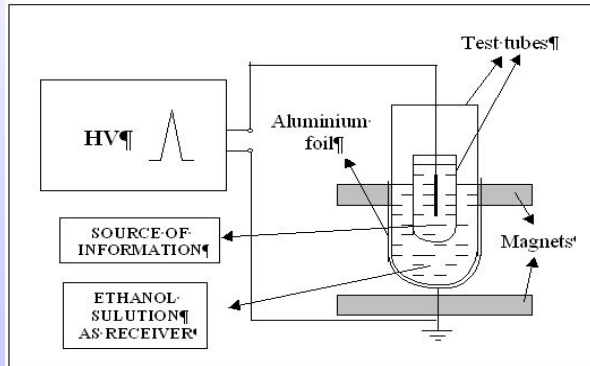
The existence of the so called “water memory” is still an object of debate. In spite of some interesting hypothesis, there is still no comprehensive scientific theory for its mechanism of action.



In this work we tested the hypothesis that molecular or biofield's information can be captured, imprinted, transmitted and reproduced (expressed) through electronic means. The biological effects were detected by the growth reaction of our biological sensor system.

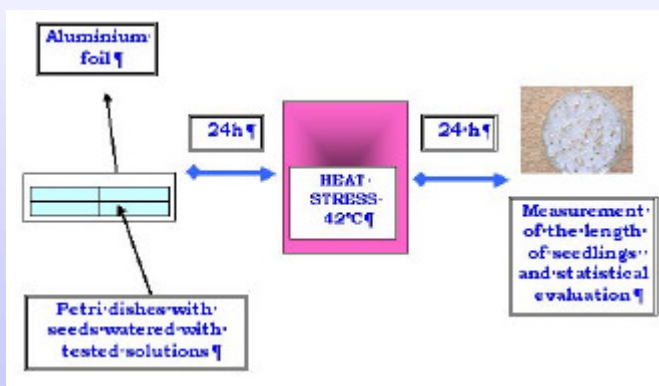
Material and Methods

From our experiments as well as from studying the matter of endogenous biological coherent fields it became clear to us that molecular information is tightly connected to electric and magnetic fields. To test this hypothesis we constructed a new device for molecular information processing.



Plant sensor system consisted of cress seedlings (*Lepidium sativum*) measured after 2 days of germination at certain conditions.

Procedure for testing with biological sensor system



TESTS

Types of seeds:

- low germinability (50-55%)
- high germinability (90-98%)

Sources of information (donor):

- pure water (as effect of electric field alone)
- amanitin
- herbicide (glyphosate)
- cytokinin (BAP)

Types of solution (acceptor)

- pure water
- solution with Fe and Cu ions
- 60% ethanol (most experiments)

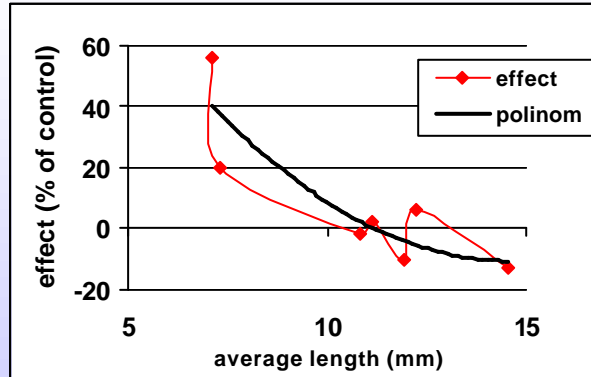
Results

Results through many experiments



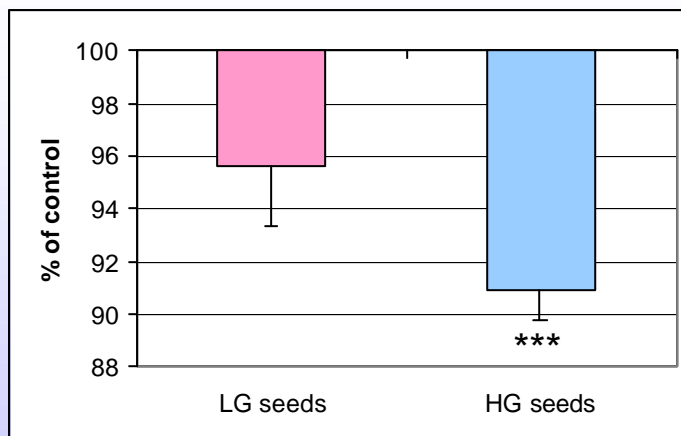
The effect of informed in comparison with not informed solution - high germinability seeds -all experiments together.

Importance of physiological state



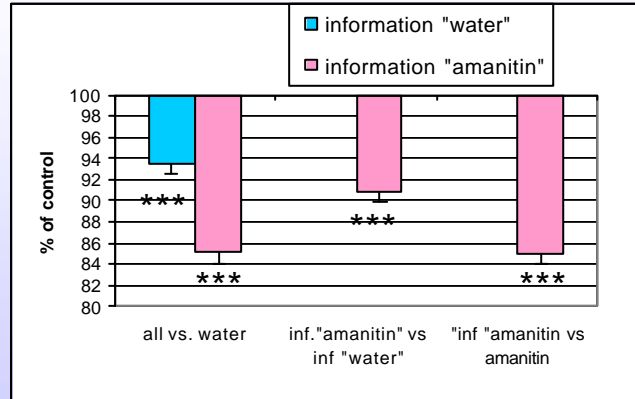
Variation of the effect of information "amanitin" depending on the average length of seedlings - low germinability seeds.

Importance of physiological state



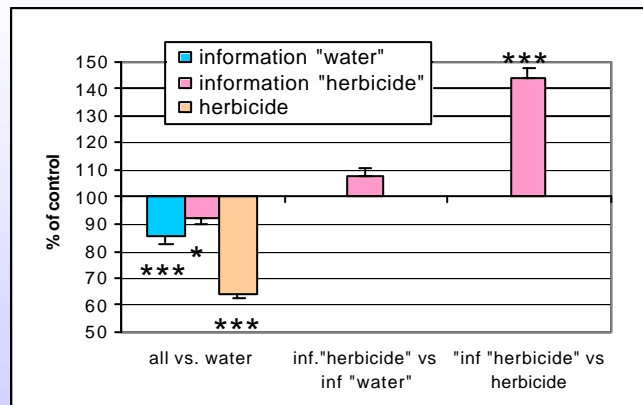
The comparison of the effect of amanitin (as information) between low (LG) and high germinability (HG) seeds.

Effects of information “amanitin” - HG seeds



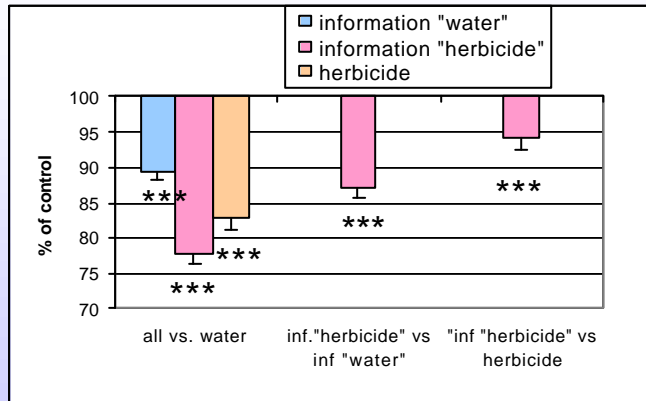
The effect of information “water”, information “amanitin”,
amanitin solution (0.5%) and comparison between themselves.

Effects of information “herbicide” - LG seeds



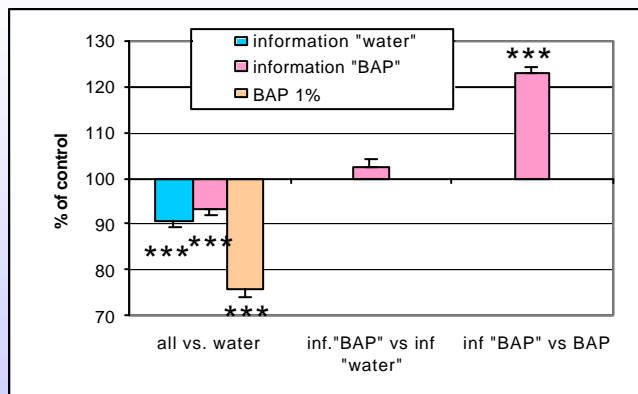
The effect of information “water”, information “herbicide”,
herbicide solution (0.5-2%) and comparison between
themselves.

Effects of information “herbicide” HG seeds



The effect of information “water”, information “herbicide”, herbicide solution (0.5-2%) and comparison between themselves.

Effects of information “cytokinin BAP” - HG seeds



The effect of information “water”, information “cytokinin”, cytokinin solution (1%) and comparison between themselves.

Conclusions

characteristics of transmission of information:

- **electric field**
- **chemical substances**
- **importance of physiological state of organism**