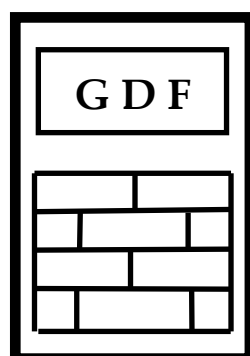


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(Erratum)

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ICES 2023

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Oct 4, 2022, 11:11 PM

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We are pleased to inform you that your Abstract:

Title: ICES-23-P192: New concept of energy

Authors: Gheorghe Dragan

which you submitted to ICES2023 (www.ices-ksa.org) for evaluation has now been accepted for presentation as an **oral communication** of **15 min** using **PPT slides** (onsite or online).

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Best regards,

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Paper accepted for oral presentation at the International Conference and Exhibition for Science (ICES2023), 6-8 February 2023, Riyadh, Saudi Arabia. All correspondence was abruptly interrupted, after approx. 1 month was renewed, but all effort to obtain visa were in vain, so I completely renounced.

New concept of energy

Gheorghe DRAGAN

Ph. D. physicist, pensioner, Bucharest, Romania

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- **Abstract.**

The new concept of energy has a long and continuous story starting from the observation by calorimetric measurements of isothermal annealing of chlorinated polyethylene samples. More exactly, the caloric effect associated with isothermally precipitation of grafted defects in crystalline phase did not appear, but the structural modifications appeared on differential thermal analyses of annealed samples. Thoroughly studies of a large number and variety of samples substantiated the idea of existence of an inductive element in the energy circuit associated with annealing process. These results substantiated an official research project in 1981. Further experiments on water and aqueous solutions evidenced the existence of an inductive element in their crystallization and melting processes. Incidentally, experiments on crystallization of tap water samples with the view to evidence their purity evidenced the inductive coupling with human mental field (HMF). Extended experiments on water and aqueous solutions by using different measuring systems evidenced different inductive coupling associated to HMF and bio-fields (BF) associated with the neighborhood flora and fauna. For instance, almost HMF have destructive (de-structuring) effects on tested specimens while BF have constructive (structuring) ones. However, there are rare cases of humans with constructive effects. The study of the calorimetric results on cold fusion reported by Fleishmann and Pons are explained by the existence of the inductive element in aqueous samples modulated by HMF and BF. Globally collected experimental data by Don Morrison revealed their completely random nature substantiated this explanation. The same conclusion was established by considering the similar calorimetric results of Liese Meitner and W. Orthman on beta decay introducing the notion of neutrino as a new elementary particle. However, neutrino is an inductive effect similar with previously mentioned annealing experiments so as much there are no experimental facts evidencing it as a particle. Thoroughly experiments on electrolyte capacitors are performed in the latest 5 years by recording their electric charge (voltage) during periods of 24 hours over each year evidencing HMF and BF in places with different human population and BF. These interactions penetrate electric shields. The simplest experiments and results of direct measurements on electrolyte capacitors are shown. These results open a new vision on concept of energy with a large number of immediate applications so as much the all efforts in finding new non-polluting sources of energy are unsuccessful. Furthermore, global population exponentially increases and all human activities are producing heat so the global warming is unavoidable.

Keywords: composite structure, inductive coupling of composite structures, human mental fields, bio-fields

- **Introduction**

A large series of experimental facts evidenced the existence of an inductive coupling in different composite systems. The starting point of this conclusion was the experiments on amorphous-crystalline coupling in polyethylene [1, 2] and it is useful to shortly describe the evolution of this idea. These experiments have re-defined the notion of composite systems as systems in transformation having at least two components, i.e. one in transformation and another as inert. This was also the starting point to consider the overall measuring system including the tested specimen as an energy circuit similar as the electric circuits according to the initial idea of Oster and Auslander [3]. Unfortunately, they tried to develop this idea by considering space distribution of an elementary energy circuit, but abandoned idea because of math unrealistic complications. I considered only the time dependence of the overall energy circuit starting with the calorimetric systems as universal measuring systems [4]. Additionally, calorimetry evidences the polarity of

transformation processes [5]. By developing these basic ideas applied to a large number and variety of experiments I was able to re-define Arrhenius kinetic equation [5] and to establish a UNIVERSAL kinetic equation available for all measuring systems driven by any kind of driving potential [6]. Kinetic parameters resulted from the UNIVERSAL representation univocally define the tested specimens in a particular measuring system, so these parameters create useful data bases for identification of tested specimens and/or optimizing their compositions and/or processing procedures.

Experiments on water and aqueous solutions in liquid state evidenced their composite structure with amorphous and crystalline phases and the existence of the inductive element in their interaction similar with above mentioned polyethylene [7]. Furthermore, this inductive element was evidenced by inductive coupling of tested specimens with human mental field (HMF) [7, 8] and subsequently with bio-fields (BF) generated by surrounding flora and fauna [9]. These interactions were proved to be immune to the electric shields.

In the present note the latest results obtained on electrolytic capacitors are presented.

• Experimental details

Two measuring systems are used with the view to strongly substantiate the interactions between HMF and BF with the electrolyte from electrolytic capacitor and their immunity to electric shields.

Figure 1 shows 8 electrolytic capacitors of 3300 $\mu\text{F}/25\text{V}$ independently connected to a data logger with $\pm 1.25 \text{ V}/\#1\mu\text{V}/\#1$ read per minute. The time variations of voltage (U_{dc}) reached independently by each capacitor over 24 hrs periods are recorded on laptop and converted in Excel file for their retrieval.

Figure 2 shows two identical meters on $\pm 200 \text{ mV}/\#0.1\text{mV}$ independently measuring the voltage (U_{dc}) reached by electrolytic capacitors of 6800 $\mu\text{F}/6.3\text{V}$. The U_{dc} values are manually noted at 1 hr interval over 24 hrs periods.



Figure 1.



Figure 2.

• Results

Figure 3 shows a typical variation of U_{dc} vs hour of the day (HOD) averaged on all 8 electrolytic capacitors over 24 hrs interval as previously described (Figure 1). Figure 4 shows the calculated standard deviation at each HOD. Such measurements were performed several years at each Monday in my house with the view to evidence the local time variation of HMF and BF.

Figures 3 and 4 show the main parameters considered in the further retrieval and establishing of their significances.

In the following Figures 5-8 are represented measurements as these were described for Figures 1 and 3 simultaneously with measurements described for Figure 2 in two days selected with different amplitudes of HMF and BF.

• Discussion

Figure 3 systematically shows the differences between U_{dc} of HMF and BF. For instance, $U_{dc}(\text{BF})$ has negative values being active at morning HOD while $U_{dc}(\text{HMF})$ has positive values and is active at evening HOD. These results are consistent with the initial results obtained on the influence of HMF on

water crystallization [10]. Maximum values of $U_{dc}(BF)$ and $U_{dc}(HMF)$ are systematically separated by approximately 8 hrs.

More interesting facts resulted from $Stdev(U_{dc}(HOD))$ (Figure 4), namely maximum value for BF and minimum value for HMF correspond to the extreme values associated with BF and HMF in Figure 3, respectively. This means that the spectrum of energy associated with BF is much wider than for HMF. In other words, fauna and flora have a wide energy spectrum while human beings tend to have more and more restrictive mental activity i.e. superficial thinking. This is also consistent with my results in implementing HuPoTest as highly efficient mental test and training procedure [11, 12].

Figures 5-8 show a highly consistent agreement of all measurements.

• Conclusions

The large and intensive experimental facts by using wide measuring systems succinctly cited and the ones exposed in this note evidenced the important details of inductive coupling between BF and HMF with composite systems. These facts show the immune of these interactions to electric shields and open new perspectives for practical applications. The first application can be the optimization of human mind in conjunction with HuPoTest which must lead to important personal mental potential, economic, social and politic improvements in human society.

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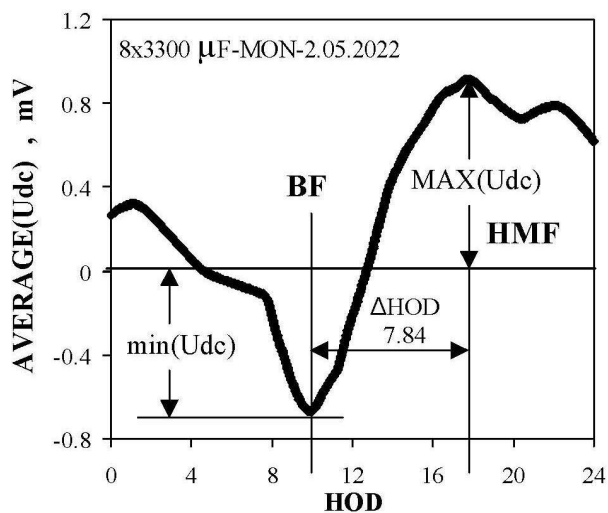


Figure 3.

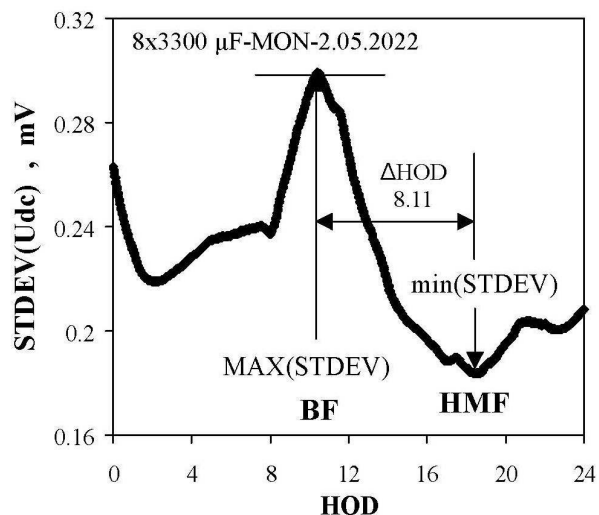


Figure 4.

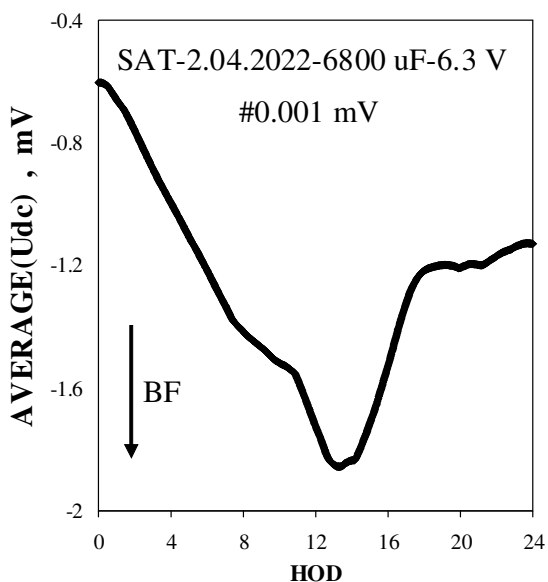


Figure 5.

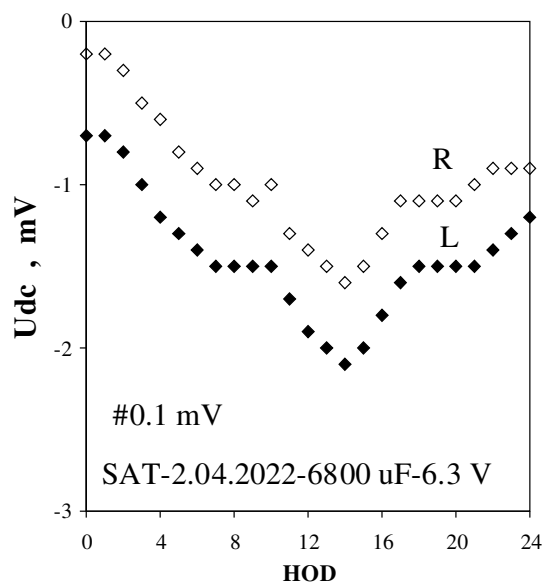


Figure 6.

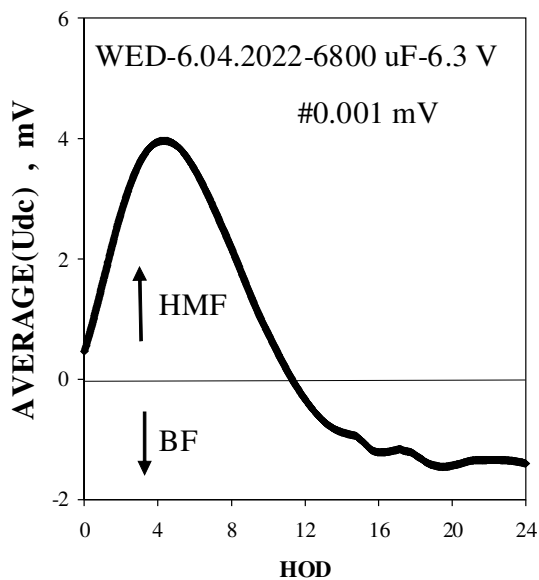


Figure 7.

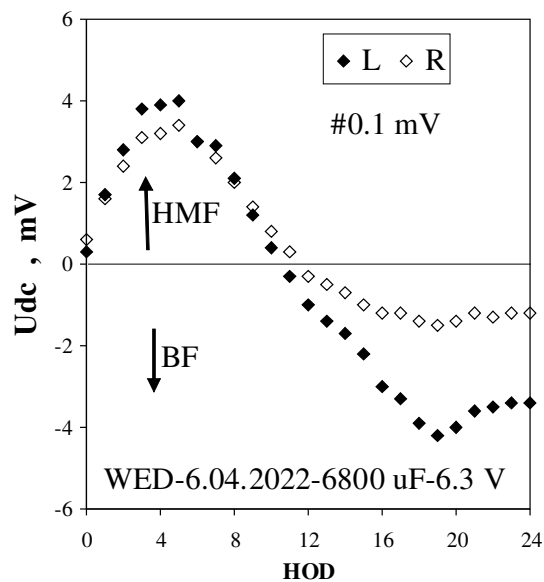


Figure 8.

HuPoTest is a mental test and training procedure continuously developed over more than 50 years. During long experience with HuPoTest on a large number of persons, I was able to observe that mind can not be in the same extent focused on the imposed measurements. HuPoTest is able to quantitatively establish the active and inactive parts of the mind during the test. This means that mind has a composite structure according to topoenergetic principles developed and extensively applied to a large variety of transforming systems. The book presents succinctly, but suggestively the main topoenergetic principles with application on important examples with the view to better understand their significance. HuPoTest operating instructions, significance of the calculated parameters and personal results are presented and commented in detail revealing the composite structure of mind. Continuously degradation of human mind in correlation with uncontrolled growth of population are the main problems of humankind leading to imminent global conflict. Only individuals with properly trained minds will be through survivors, so HuPoTest represents the right procedure to improve and maintain human minds.

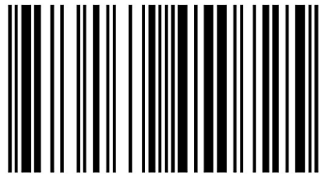


Gheorghe Dragan

Composite Structure of Human Mind



Dr Gheorghe Dragan was born on the 1st September, 1945, in Ploiesti, Prahova, Romania. He holds a Ph.D. in Physics from the University of Bucharest, Romania (1980) and has published about 200 scientific papers, 70 scientific communications and 5 books. He also holds 17 patents.



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Foreword

Miguel de Cervantes Saavedras:
„Experience is the mother of all sciences”

My deep concern is that the present book will not affect in any way human society, although I tried to point out arguments about the next imminent nuclear conflict mainly caused by continuous and accelerated degradation of human mind in direct correlation with uncontrolled growth of population. Survivors will be only ones with properly prepared minds. These two facts are striking evidences for any one, no matter education and place on the planet Earth. The solution I propose is to permanently testing and improving our mind. Its name is HuPoTest I experienced and developed continuously for more than 50 years. Human mind is our “crazy horse” which no individual succeed to completely master during entire life. The main problem is not that there are bad guys and good guys, but it is practically impossible to know them. The only solution is to take care of our own mind. After a long and intense experience face-to-face on a large variety of individuals with HuPoTest, I established that there are 4 main categories: (i) dominating; (ii) dominated; (iii) independent and (iv) not able to perform HuPoTest. The results are not available for ever, because they can transform instantly between them (flip-flop character). The first two are dependent each other, permanently involved in conflicts up to crime and suicide. The independent ones avoid any conflict and live in honest conditions. People not able to perform HuPoTest have their minds dominated by destructive emotions. Human mind is in permanent activity, so that conscious activity is perturbed by emotions. This is the main point of the present book: to reveal the composite structure of human mind by the existence of the active component involved in coherent thinking and an inert one perturbing the conscious activity.

I invite any one who decided to try HuPoTest to contact me for help without any obligation.

Bucharest, February 2019,
gdf.dragan@gmail.com

Composite structure of human mind

	Abbreviations and symbols
Chapter 1	Foreword
Chapter 2	Composite structure of transforming systems
Chapter 3	Upon some features of humankind evolution
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	3.2 Evolution of individual human life
	3.3 Evolution of human society on Earth
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Chapter 5	HuPoTest – operating instructions
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	5.2. Selection of the right standard stopwatch and performing
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	5.4. Management of data base
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	6.3. Concluding remarks
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	7.3 original parameters obtained by professional math programs
Chapter 8	HuPoTest – important relationships
	8.1 Stopwatch B
	8.2 Stopwatch E
Chapter 9	HuPoTest – composite structure of human mind
	References
	About the author

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publications	<ul style="list-style-type: none">● >100 scientific papers● >70 scientific communications● 17 patents● 6 books
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Year	VOL	NO	Content (titles)	(\$*)
1997	1	1	Editorial: Databanks – the compulsory language. LOGKOW – a Databank of evaluated octanol-water partition coefficients (James Sangster). Solubility behavior introducing topoenergetic working principles. Comments on 1-octanol-water partition of several n-alkane related series.	F
1997	1	2	Guide of good practice in metrology (Romanian)	AFI
1998	2	1	Editorial: socio-psychological implications in creation and utilization of a databank (Ioan-Bradul Iamandescu); Behavior in vapor-liquid equilibria (VLE): I. Structural aspects; Behavior in vapor-liquid equilibria: II. Several structures in databanks; Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania).	F
1998	2	2	Practical course of metrology (Romanian)	AFI
1998	2	3	DIFFUTOR-01: Thermally driven diffusion in pure metals	AFI
1998	2	4	VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules	AFI
1999	3	1	Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. VAPORSAT: Databanks of vapor-liquid separation kinetics.	F
1999	3	2	Discussions on Applied Metrology	AFI
2000	4	1	Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9 th International Metrology Congress, Bordeaux, France, 18-21 October 1999.	F
2000	4	2	Measurement and Calibration.	AFI
2001	5	1	Editorial: Metrology ensures moral and technological progress. Topoenergetic aspects of amorphous-crystalline coupling. I. Composite behavior of water and aqueous solutions (paper presented at nanotubes and Nanostructures 2001, LNF, Frascati, Rome Italy, 17-27 October 2001). Events: Nanotubes and nanostructures 2000.School and workshop, 24 September – 4 October 2000, Cagliari, Italy.	F
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2002	6	1	MOSATOR-01: Topoenergetic databanks for one component molten salts; thermally driven viscosity and electrical conductance.	AFI
2002	6	2	Editorial: HuPoTest - Operator calibration or temporal scale psychic test. MOSATOR: topoenergetic databanks of one component molten salts; thermally driven viscosity and electrical conductance.	F
2002	6	3	Editorial: Quo vadis Earth experiment? ISOCALT® : Report on metrological tests	F
2003	7	1	Editorial: Time – an instrument of the selfish thinking. 1 st NOTE: Homoeopathy: upon some efficient physical tests revealing structural modifications of water and aqueous solutions. I. Mixing experiments.	F
2004	8	1	Metrological verification and calibration of thermometers using thermostats type ISOCALT® 21/70/2. Metrological verification and calibration of thermometers using thermostats type ISOCALT® 2.2R.	F
2004	8	2	Aspects of correct measurements of temperature. I. measurement of a fixed point according to ITS-90. Physics and Homoeopathy: some physical requirements for homoeopathic	F

			practice.(Plenary lecture at the 19 th SRH National Congress, 21-22 September 2004, Bucharest, Romania)	
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2005	9	2	A new technique for temperature measurement and calibration. National Society of Measurements (NSM). Important warning for T-calibrator users: MSA has chose metrology well calibrators from Fluke (Hart Scientific).	F
2005	9	3	Universal representation of Cancer Diseases. 1. First sight on NSW-2003 report. Universal representation of Cancer Diseases. 2. UK cancer registrations on 1999-2002. Vital Potential can estimate our predisposition for cancer diseases.	F
2006	10	1	NTC – thermistors -I	AFI
2007	11	1	HuPoTest - 40 years of continuous research Basic rules for preventing and vanishing cancer diseases Climate change = change of mentality Hot nuclear fusion – a project of actual mentality	F
2007	11	2	MT – Introduction to Mental Technology HuPoTest – general procedure, assignments of results, specimen of complete test, order and obtain your complete HuPoTest report	F
2007	11	3	TRESISTOR© - data banks of materials with thermally driven electric and magnetic properties TRESISTOR© - NTC -I - data bank of NTC thermistors	AFI
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2008	12	2	Pattern of Cancer Diseases	F
2008	12	3	Adiabatic calorimetry – summary description of the demo prototype	F
2008	12	4	Flight QF 30 and even more... Temperature calibration of NTC-thermistors. 1.Preliminary results.	F
2009	13	1	Proposal for interlaboratory comparisons. Calibration of NTC-thermistors (The 14 th International Metrology Congress, Paris, France, 22-25 June 2009).	F
2009	13	2	Sudoku – un algoritm de rezolvare. (Sudoku – an algorithm for solution).	AFI
2009	13	3	Cancer and Diabetes – as social diseases. (Open letter to all whom it may concern).	F
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2013	17	10	1. Procedure for defining standard liquids for viscosity based on topoenergetic principles. 2. Topological aspects of flow and deformation in polymer composites, The VIII-th International Congress on Rheology, 1-5 September 1980, Naples, Italy, pp. 375-376. 3. Universal representation of flow behavior based on topoenergetic principles, The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp. 369-376. 4. Comments on "Universal representation of flow behavior based on topoenergetic principles", The IX-th International Congress on Rheology, 8-13 October 1984, Accapulco, Gro. Mexico, pp. 369-376. 5. Open letter to BRML and INM.	F
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2016	20	3	Stability of amorphous-crystalline coupling in electrolyte aqueous solutions in relation to interaction with bio-fields	F
2016	20	4	Efficient, simple and cheap outdoor extension of exhausting system using Bernoulli and thermal convection effects applied for air forced boilers on natural gas	F
2016	20	5	Good quality home made soap in high efficient conditions	F
2016	20	6	Interaction of quartz crystals with bio-fields. I. Preliminary experiments on commercial quartz oscillators.	F
2016	20	7	Interaction of quartz crystals with bio-fields. II. Differential measurements on pairs of commercial quartz oscillators.	F

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2017	21	2	Interaction of quartz crystals with bio-fields. V. Closer look on quantitative estimations	F
2017	21	3	Interaction of quartz crystals with bio-fields. VI. Influence of Moon phases	F
2017	21	4	HuPoTest – 50 years of continuous research and attempts to make it as efficient self-evaluation and improving procedure for mental state HuPoTest – read this first Message to the organizers of the snn2016 Conference (http://snn2016.snn.ro/) and to all whom it may concern HuPoTest – an efficient test and training procedure for mental and health state (Abstract for World Congress of Mental Health, New Dehli, INDIA, November 2-5, 2017) Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. VII. Dielectrics with high oriented crystalline structure.	F
2017	21	5	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. VIII. Dielectrics with high oriented crystalline structure. HuPoTest – data base correlations revealing mental pattern.	F
2017	21	6	Upon some features of global economic structure Eurovision song contest 2017	F
2017	21	7	HuPoTest – proper training and creation of simple database in view to evaluate mental improvement HuPoTest – project for the complete software available for any individual user	F
2017	21	8	Global warming facts Topoenergetic structure of trees ramification	F
2017	21	9	HuPoTest – simple Matlab software for time measurements HuPoTest – preliminary tests on PUT response reaction	F
2018	22	1	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. IX. Measurements on 1 st June 2017- 9 th January 2018.	F
2018	22	2	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. X. Further estimations on 1 st June 2017- 9 th January 2018. HuPoTest – new tests on PUT response reaction HuPoTest – read this first before use it (updated) HuPoTest – an efficient test and training procedure for mental and health state (abstract sent to the International Congress of Royal College of Psychiatrics - 2018)	F
2018	22	3	Estimation of global warming by differential calorimetric procedure. I. Experimental principles, preliminary results and their significances.	F
2018	22	4	Definition and assignment of some global uncertainties of measurements, 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999, pp. 353-356. HuPoTest - errors originating from software HuPoTest – seven week mental training during Ortodox Easter Fasting. I. New rules for more realistic and efficient measurements.	F
2018	22	5	HuPoTest – seven week mental training during Ortodox Easter Fasting. II. Statistic features of particular data and their significance	F
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2019	23	5	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. XII. New results obtained over 2018. Book launch: Composite Structure of Human Mind	F
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2019	23	7	Eurovision song contest, Tel Aviv, Israel, 18 May 2019 Book launch: Composite Structure of Human Mind	F
2019	23	8	HuPoTest – 4 weeks of self evaluation, training and additional instructions Book launch: Composite Structure of Human Mind	F
2019	23	9	Composite human mind and composite human society(43rd Congress of American Romanian Academy of Arts and Sciences, ASILOMAR Conference Grounds, Pacific Grove, CA, USA, 15-17 November 2019) Book launch: Composite Structure of Human Mind	F
2020	24	1	Left-Right Bio-Balance: Calorimetric approach of human mental state I. Introductory principles and experimental details. Book launch: Composite Structure of Human Mind	F
2020	24	2	Composite structure of human mind. HuPoTest results on 5 weeks of fasting before Christmas 2019 Global warming and human mentality Book launch: Composite Structure of Human Mind	F
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2021	25	5	Isothermal gradient calorimeter. I. Basic principles. Water – review of some particular properties Book launch: Composite Structure of Human Mind	F
2021	25	6	HuPoTest: Behavior splitting = dual behavior Book launch: Composite Structure of Human Mind	F
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*) F=free, AFI=ask for invoice.

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ERRATUM:

VOL.	NO.	place	CORRECT
15	2	Figure 5	P-
15	3	page 5, row 7 down-to-up	$x = 0.2$
22	3	Figures 4-6	Values of dT_c and exchanged heat must be divided by 10
22	6	Figure 4	$-N^2/M$ values are negative;
23	1	Figure 5	See Figure 8 and comments in issue 23(3)
23	1	HuPoTest-significance of calculated parameters	$(y_o, \Delta b) < 0, \Delta a > 0$: slow reaction $(y_o, \Delta b) > 0, \Delta a < 0$: impulsive reaction
25	9	Figure 4	III: $n1 = 0.711 \pm 0.076$; $m1 = 154 \pm 4.6$

I encourage readers to advice me any observation.



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