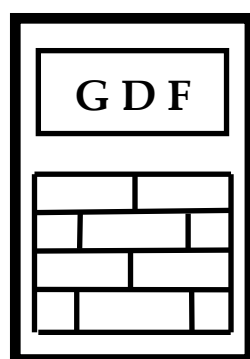


GDF DATA BANKS BULLETIN



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(Erratum)

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Proposal for improvement of Australia's climate

If we try to be good friends with waters paying deep respect to them, we can master a lot of other things

Water is the best connection between human being and God. John the Baptist has revealed this fact and became the starting point of human life in Christian faith.

The evolution of life on Earth is strongly connected with water. The actual planetary ocean is symmetrically distributed around the four continents and along the four geographic directions. Unfortunately, uncontrolled increase of population correlated with his continuous mental degradation lead to dramatic infestation of waters, overall planet tends to the complete shortage of drinking water and desertification of continents. Upon a thorough analysis I consider that no one and nothing can stop these processes because of the destructive effects of human mind [1].

Australia appears as the "fifth wheel of the wagon" with unique flora and fauna. This may mean it is not useless, but it can be the rescue continent for people from other continents.

Australia has a big surface of desert (approximately 35%) and frequent water restrictions even in the regions with acceptable rainfalls. There are approximately 500 dams and reservoirs among them 10 are the biggest. Unfortunately, almost all are private with very restricted access and not inter-connected between them and with flowing waters.

However, Australia has periodically floods affecting especially east part of the continent, so devastating fires and floods periodically alternate.

The worse fires in NSW in the latest months impose serious measures in improving climate starting in these Australian states and subsequently extended on overall continent.

The best solution I tried to propose to local NSW politicians in the years of 2005-2013 and renewed now (see the attached message to the Australian Prime Minister), was to start constructions of a network of navigable canals. This is not original idea at all, because many countries have developed such projects even before 1900. Roman Empire has built great aqueducts on long distances some of them operational today.

According to information coming from different sources, Atlantis Island had a sophisticated man-made navigable canal network showing the importance and respect paid by Atlantes to water.

On my opinion the first canal must connect regions characterized by severe and frequent droughts and floods, i.e. crossing Queensland-NSW-Victoria (over 3000 km) with ramifications and reservoirs getting water from crossed rivers. This project must be organized by federal govern involving a wide spectrum of experts, special technologies, workers and financial support. But, all efforts will be covered by a lot of benefits: low cost transportation, big help for agriculture, tourism, etc., but on the first place low risk of floods and fires.

References

- [1] G. Dragan, "Composite structure of human mind", LAP Lambert Academic Publishing, 2019.



Gheorghe DRAGAN <gdf.dragan@gmail.com>

Your message to the Prime Minister

1 message

Prime Minister of Australia via Prime Minister of Australia <webservices@pmc.gov.au> Wed, Jan 1, 2020 at 10:11 PM
Reply-To: Prime Minister of Australia <webservices@pmc.gov.au>
To: gdf.dragan@gmail.com

Thank you for your message to the Prime Minister at pm.gov.au. For your records, a copy of your message is set out at the bottom of this email.

All items of correspondence are read and carefully considered, however not all items will receive a response. When responses are sent, these items will be sent via the same method in which they are received; via email or Australia Post

In some cases, where appropriate, your correspondence will be referred to other Federal Ministers or state/territory governments for their consideration. This will occur when the issue raised falls within their responsibilities.

This is an automatically generated email. Please do not reply to this email as this address is not monitored.

If you have any problems with this service please contact the Web Administrator through the site feedback service at <https://www.pm.gov.au/site-feedback>

* PLEASE NOTE: Messages to the Prime Minister via this web form will not be viewed between 25 December 2019 and 1 January 2020. If you are at risk and you require immediate assistance, call:

- Emergency Services – 000 - if in immediate or imminent danger;
- Lifeline on 13 11 14 [or Kids Helpline on 1800 551 800] if you need to speak to someone urgently about how you are feeling;
- Suicide Call Back Service - 1300 659 467 - provide support through immediate counselling, and can provide further telephone counselling sessions scheduled according to your needs. They operate seven days a week and is a free nation-wide support service;
- Headspace (12yrs – 25yrs) – 1800 650 890 - access information and support about mental health and wellbeing; or
- If you wish to make a claim for disaster assistance, please call Services Australia on 180 22 66 or 131 202 to talk in a language other than English.

Submitted on Thursday, 2 January, 2020 - 07:11

Title: Dr.
First name: Gheorghe
Family name: DRAGAN
Email address: gdf.dragan@gmail.com
Your address: str.Abrud 25, Bucharest, 011315, Romania
Subject: proposal for stop forest fires and floods in Australia
Comment:
Dear Prime Minister of Australia,

I am an Australian citizen since 2008, but I am now in Romania since 2013 being involved in research projects supported by my personal budget (see my personal website).
I have tried in the period I was in Sydney at my daughter to launch a proposal to start the construction of the network of navigable canals across Australia in view to avoid severe droughts, floods, forest fires, making low-cost transportations, help agriculture, tourism, etc. etc.
I hope that the dramatic fires occurring now in Australia can open the minds of responsible politicians to consider this highly efficient idea. You can see similar constructions/projects in many other countries.
Please contact me for details.
All the best for the new year 2020.
Gheorghe DRAGAN, Ph.D.physicist, retired
www.gdfdatabanks.ro

Global warming and human mentality

"We cannot solve our problems with the same thinking we used when we created them." Albert Einstein

Recent events (September 2019: UN Climate Summit and popular reactions at global scale) revealed again the dramatic aspects of global warming. Unfortunately, all public statements from common people up to top politicians did not evidence the basic origins of this phenomenon, namely:

- all human activities generate heat, long term wastes and gases with greenhouse effect;
- the uncontrolled growth of population;
- human body constantly releases heat.

In other words, the global warming continuously progresses because the three origins can not be removed or diminished. Electric energy is the most refined form of energy, so most of other primary forms are converted to it (see table below). But, almost all primary energies are based on heat and wastes generation, so finally all of these forms are converted in heat in human activities.

Fossil fuels				%	%
	technology	primary energy*	efficiency,%		
coal	gas turbine	thermal	40-60	41	67
natural gas	gas&steam			21	
oil	turbine			5	
Renewable energy					
hydroelectric	water turbine	kinetic	90	14.7	16
wind	wind turbine		59	1	
geothermal	steam turbine	thermal	40	0.15	
solar	solar cell	radiation	20	0.15	
Nuclear energy					
	gas&steam turbine	thermal	40-60	14	14
Other sources					
biofuels	gas&steam	thermal	40-60	13	13
biomass	turbine				
			TOTAL:	100	100

* primary energy converted into electrical energy with specific efficiency

It clearly and simply appears that the global warming can not be stopped by keeping the same organization of human society, more exactly the same mentality mainly based on uncontrolled growth of population, heat and wastes generation.

Thorough studies show that all phenomena on our planet and even in the Universe, are driven by human mental field in competition with the other bio-fields by them destructive and constructive effects, respectively. So, it is compulsory to change human mentality in view to stop global warming and imminent extinction of human being. The following example is suggestive: by bending a metal bar in normal actual and common conditions heat is released, but some people can do this mentally without heat effect.

HuPoTest is my recommendation as the first efficient step to improve our mentality.

25 September 2019; www.gdfdatabanks.ro

Climate change = change of mentality

Summary estimations ^{x)}

1. Carbon (C) combustion (CC) and methane emission (ME) are considered the main factors driven by human activities for earth climate change.
2. ME is estimated to be 21 times more powerful a greenhouse gas than carbon dioxide (CD) and it has no chance to be removed from atmosphere. Not processed CD by photosynthesis and ME go up in stratosphere removing the ozone shield that protects biosphere of ultraviolet (UV) radiation.
3. The main CD sources are power plants and vehicle engines.
4. The increase of CD content in the atmosphere: 1900-1940 by 18%; 1940-2000 by 82%.
5. 1kgC consumes by combustion 2.7 kg oxygen (O) and produces 3.7 kgCD which means that a volume of $1.9 \cdot 10^3$ LSTP of O is replaced by CD (LSTP=litre of gas at standard temperature (0°C) and pressure ($1\text{ atm}=10^2\text{ kPa}$));
6. 1 kWh of electrical energy based on CC is produced by burning at least of 0.3 kgC (considering the overall efficiency of 30%).
7. In the year of 2001-2002 Australia produced 216,316 GWh = $2.2 \cdot 10^{11}$ kWh (over 92% based on CC), i.e. consumed $1.8 \cdot 10^{11}$ kgO and produced $2.4 \cdot 10^{11}$ kgCD ($1.3 \cdot 10^{14}$ LSTP each).
8. 1l of petrol (fuel oil, P) consumes by burning 1.6 kgO and produces 2.2 kgCD (a volume of 1,120 LSTP of O replaced by CD).
9. In the last decade Australia consumed an average of $4 \cdot 10^{10}$ lP/year which means a consumption of $6.4 \cdot 10^{10}$ kgO/year and emission of $8.8 \cdot 10^{10}$ kgO or $4.4 \cdot 10^{13}$ LSTP/year of O replaced by CD.
10. In the year of 2001-2002 Australia produced $8.63 \cdot 10^{17}$ J ($54 \cdot 10^6$ J/kg) from an amount of $1.6 \cdot 10^{10}$ kg natural gas which means a consumption of $3.2 \cdot 10^{10}$ kgO and emission of $4.4 \cdot 10^{10}$ kgCD i.e. $2.2 \cdot 10^{13}$ LSTP of oxygen was replaced by CD.
Australian Bureau of Statistics reported an estimation of $3 \cdot 10^{11}$ kgCD generated by fuel combustion in 1997.
11. The annual CD emission in Australia is at least $2 \cdot 10^{14}$ LSTP (summation of contributions from 7, 9 and 10) neglecting other important CD sources as respiration, fermentation, fires, volcanoes, etc.
12. ME mainly result by digestive processes in all biosphere entities based on aerobic metabolism (85%) and by bacterial decay of organic matters (15%).
13. One mature cow produces 400 kgME/year ($5.6 \cdot 10^5$ ME LSTP/year) including the bacterial decay of its organic waste; animal agriculture produces more than 10^{11} kgME/year ($1.4 \cdot 10^{14}$ ME LSTP/year), from which 10% the contribution of Australia is a rough approximation, but must be rigorously controlled.

14. A rough estimation of Australian annual contribution to ozone destruction in Earth stratosphere is $2 \cdot 10^{14}$ LSTP O /year and generation of $2.2 \cdot 10^{14}$ STPL (CD,ME)/year.
15. Stratosphere (S), where the ozone shield is located, represents a spherical mantle with the inner diameter of 6400 km and outer diameter of 6425 km (25 and 50 km from Earth surface, respectively) with an approximate volume of $VS = 1.29 \cdot 10^{22}$ LS (liters of stratosphere) with an average temperature of $-(19 \pm 28) ^\circ\text{C}$ and pressure of (2.8 ± 0.4) kPa, so that $1 \text{ LSTP} = 33.2 \text{ LS}$. In these conditions the above estimation of Australian contribution to ozone destruction and greenhouse gas emissions becomes $6.6 \cdot 10^{15}$ LS and $7.3 \cdot 10^{15}$ LS, respectively. We should compare VS value with the accumulated volumes of green house gases and oxygen destruction, i.e. summation of all annual emissions and oxygen consumptions, but comparing periodically them with values of gas content in the overall atmosphere.

Conclusion: immediate removal of CD and ME sources and increase of natural O sources based on photosynthesis.

Practical procedures:

1. Efficient promotions for reliable and portable measuring instruments for environment testing, suitable to be handle by anyone: temperature, pressure, humidity, level of precipitations, gas composition of atmosphere (CD, ME, O, etc.) at different heights, level of nuclear, UV, radio (RF) radiations, other noxes;
2. Daily reports issued by at least 3 independent sources and frequent informative presentations in mass media concerning environment status at regional and national scale presenting the values and their significances of the main quantities above mentioned;
3. Rapid reducing up to complete removal of meat, fermentation products and animal agriculture by adopting severe laws imposing and controlling maximal values for oxygen consumption and emission of greenhouse gases and minimal values for oxygen generation all these values reported to soil surface no matter the ownership;
4. Food based on natural (genetically non-modified) vegetables and fruits only, intensively and extensively grown in modular greenhouses with controlled units for gas consumptions/emissions imposed to all real estate owners;
5. Adopting and imposing highly efficient biotechnologies for decay of all organic wastes by using highly controlled means without ME and/or oxygen consumption (bugs, worms, etc).

dragan_gdf@yahoo.com

^{x)} Syntax used for expression of big numbers: $33,480,000,000,000 = 3.4 \cdot 10^{13}$

Composite structure of human mind. HuPoTest results on 5 week fasting before Christmas 2019.

*Sri Swami Sivananda: "Time is life; it is more precious than money.
Utilize time profitably in spiritual pursuits".*

This is the second time I tested myself in the period of 5 weeks of fasting before Christmas [1]. It is a good occasion to reveal eventual improvements on mental behavior occurred after systematic HuPoTest training during the prior four similar tests and trainings on weekly base connected to Orthodox Holydays [2]. Two thorough training periods I have undertaken before by using the stopwatch proposed by eng. Dan Popovici in Visual Basic 3.0 on 32 bit Windows platform, but no improvement was evidenced [3, 4]. The drawbacks of this software making it as not effective were explained in more details and mainly consist in (i) the unstable and erroneous stopwatch in comparison with the digital stopwatch with 0.001 s resolution currently used along over 50 years in face-to-face tests on a large number of individuals [5] and (ii) the lack of establishing personal rhythm of measurement prior to correct measurements [6, 7].

In the present measurements the same experimental protocol and operating instructions as in the previous four mentioned series was used, but with the following similar stopwatch:

<https://www.timeanddate.com/stopwatch/>

This stopwatch has several important advantages connected with more efficient handling the measured values in respect to the previous one. However, as I pointed out in the previous studies [5-7], the thorough calibration of used stopwatches is absolutely necessary.

The attached figures compare the results obtained in the two series of measurements. Figures 1-3 shows the basic topoenergetic parameters estimated according to the UNIVERSAL equation for transformation component of mind directly responsible for measurements (Ctr), its kinetic unit (ctr) and the coupling strength between transforming and inert components (CS). Both series reveal the same nature of behaviors by unique phylogenic parameters (n_1 , m_1), with no striking improvements, but week-4-2019 shows the best behavior (also Figures 4-6).

Figures 7-11 show distinct behaviors between the two series, namely weeks in 2019 are closer to the origin, but the 2018 ones predominantly distributed to slow reaction. The resulted parameters (n_1 , m_1) do not make higher phylogeny (Figure 12).

Distinct improvements on 2019 results from Figures 13, 14 in comparison with Figures 16, 17 (see the averaged values mentioned on them).

Figure 15 shows the dependence between weekly amplitude variation (AMP) of parameters y_0 and Δa from above mentioned Figures 7-11, so differences are evidenced more clear, but both data belong to the same phylogeny. Figure 18 shows the dependence between algebraic summations of weekly parameters y_0 and Δa , so another common phylogeny results for both series of measurements,

References

- [1] G. Dragan, Composite structure of human mind. HuPoTest results on 5 weeks of fasting before Christmas 2018, GDF Databanks Bull., 23(3), 2019.
- [2] G. Dragan, HuPoTest – 4 weeks of self evaluation, training and additional instructions, GDF Databanks Bull., 23(8), 2019.
- [3] G. Dragan, HuPoTest: four month study of a case, GDF Databanks Bull., 15(5), 2011.
- [4] G. Dragan, HuPoTest: New measurements and results, GDF Databanks Bull., 17(6), 2013.
- [5] G. Dragan, HuPoTest – new tests on PUT response reaction, GDF Databanks Bull., 22(2), 2018.
- [6] G. Dragan, HuPoTest – operating instructions, GDF Databanks Bull., 23(1), 2019.
- [7] G. Dragan, Composite structure of human mind, LAP Lambert Academic Publishing, 2019.

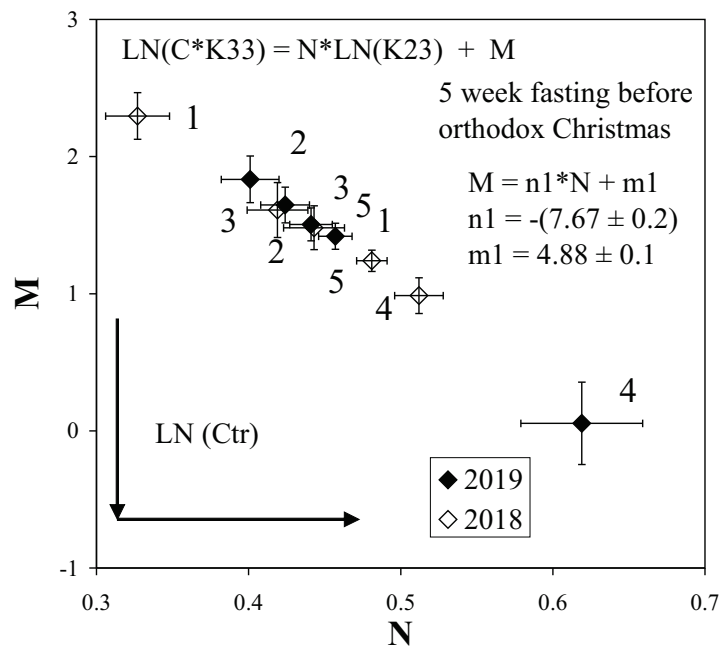


Figure 1.

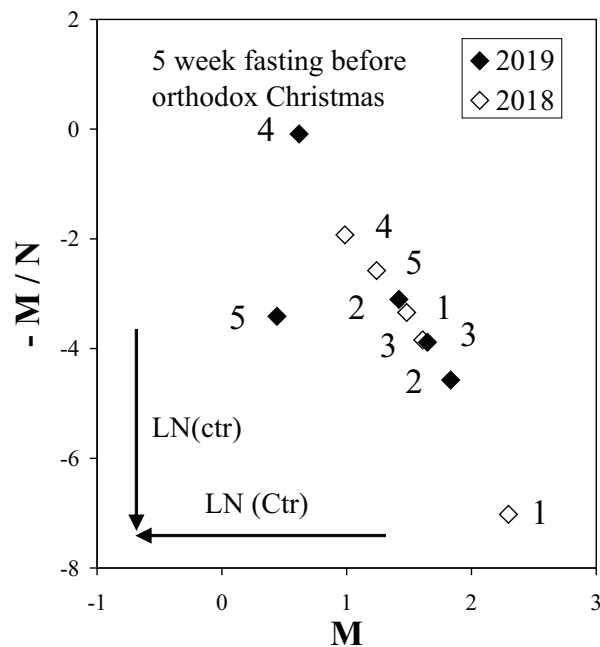


Figure 2.

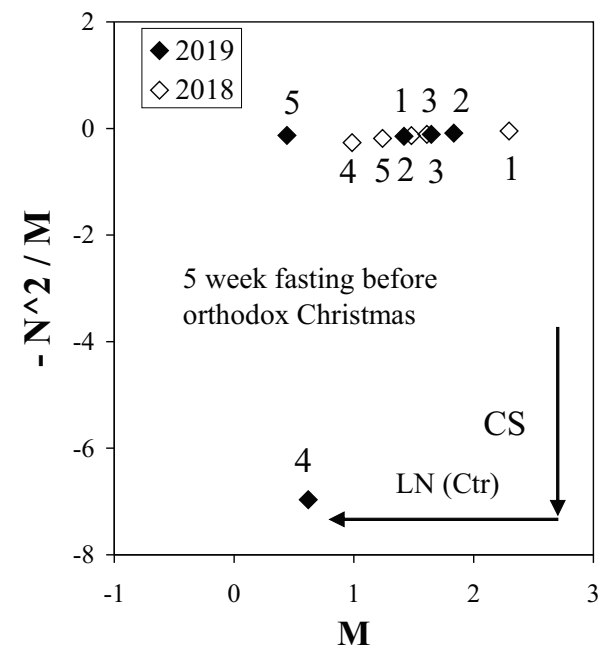


Figure 3.

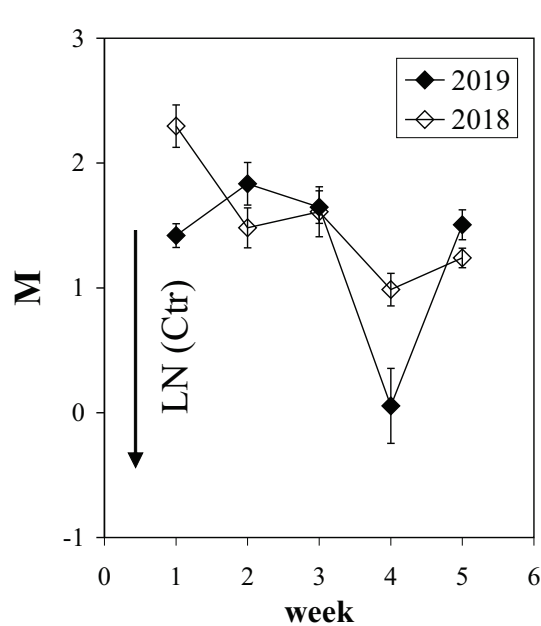


Figure 4.

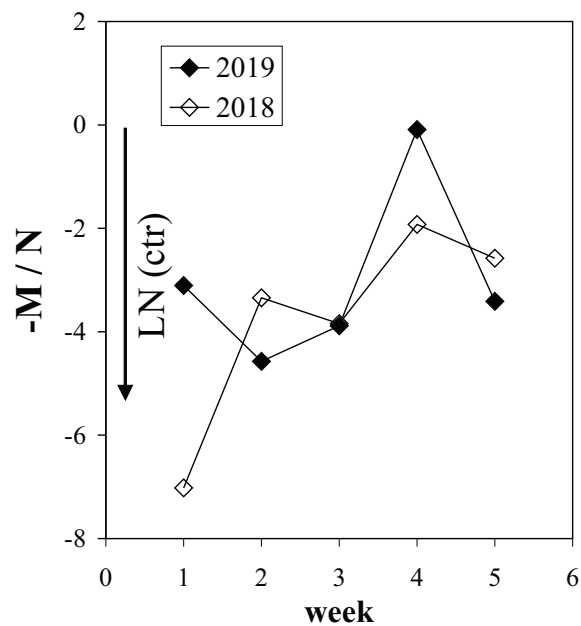


Figure 5.

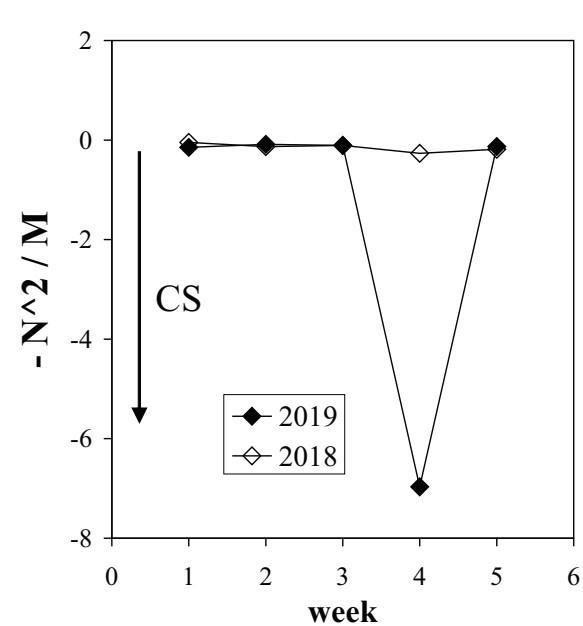


Figure 6.

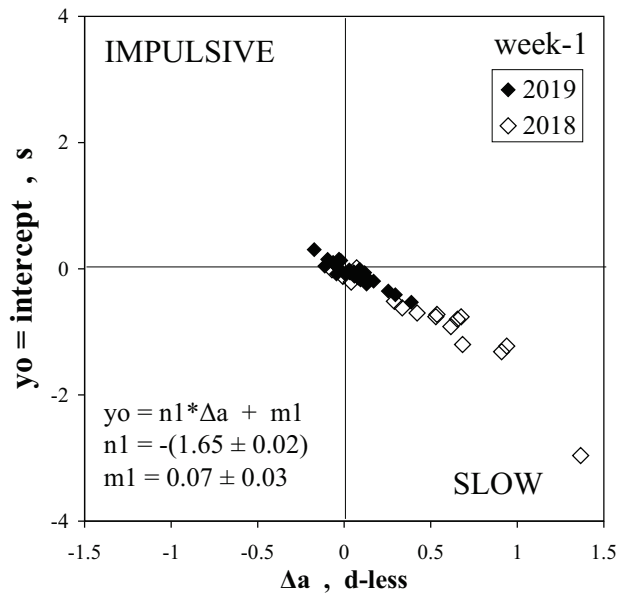


Figure 7.

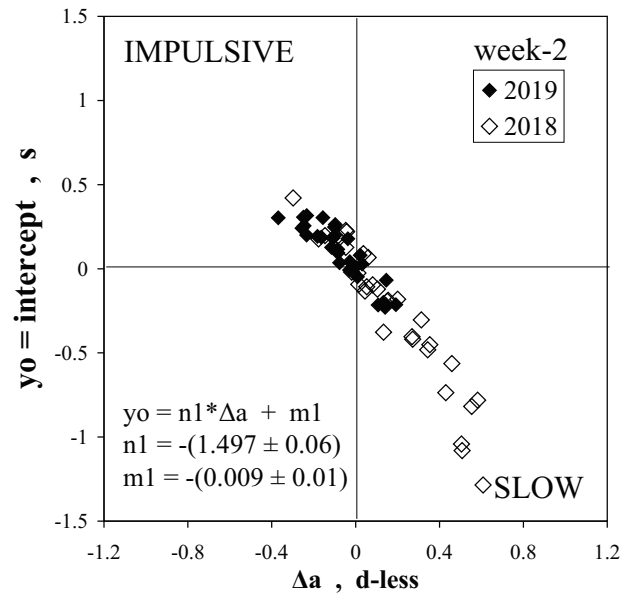


Figure 8.

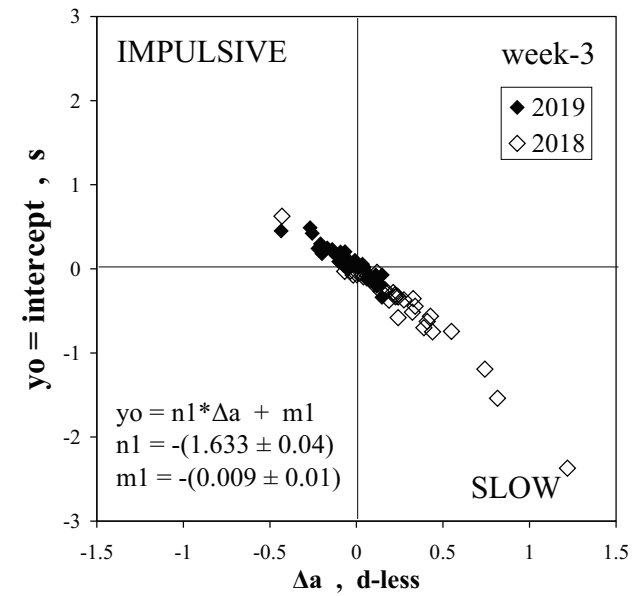


Figure 9.

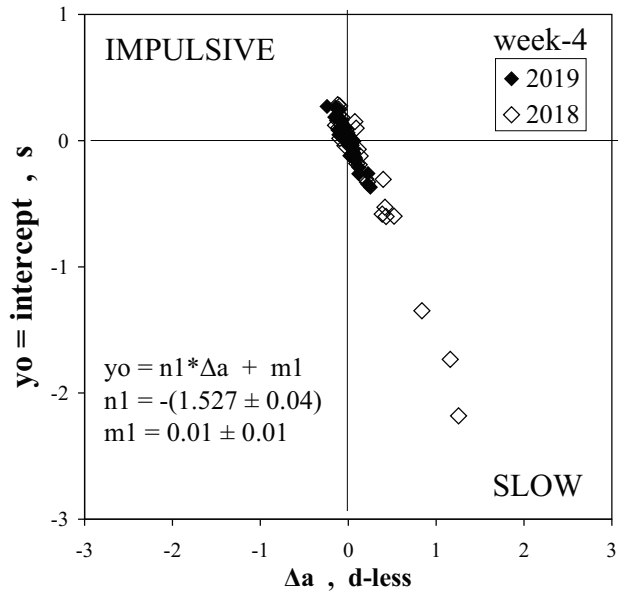


Figure 10.

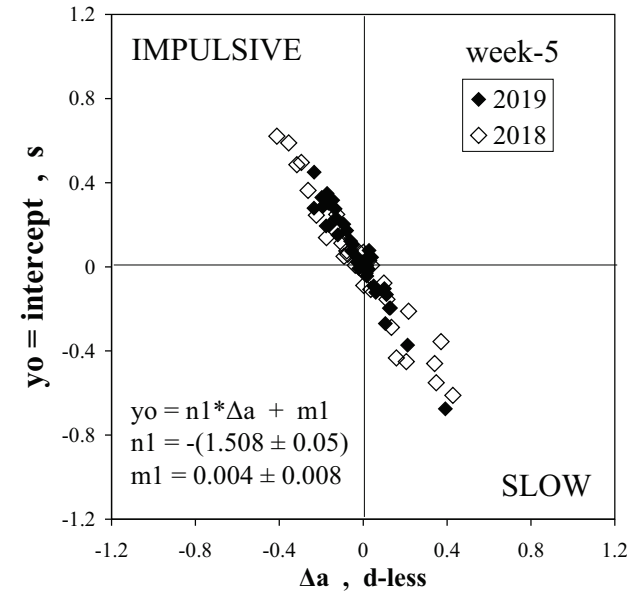


Figure 11.

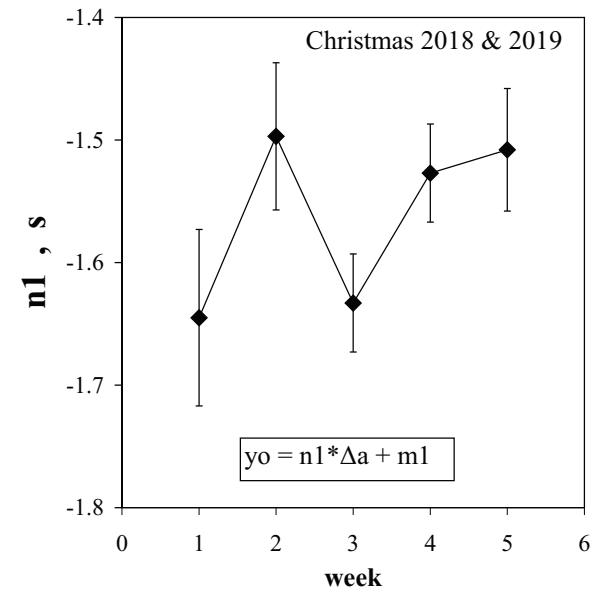


Figure 12.

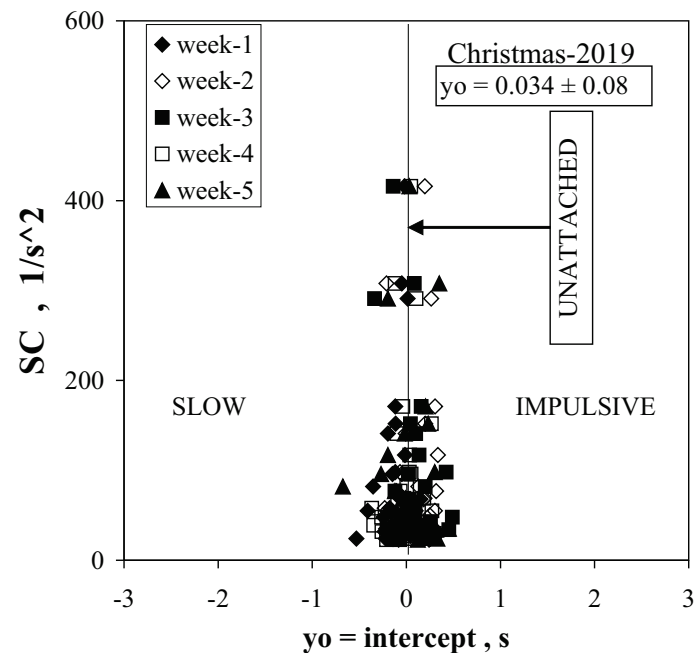


Figure 13.

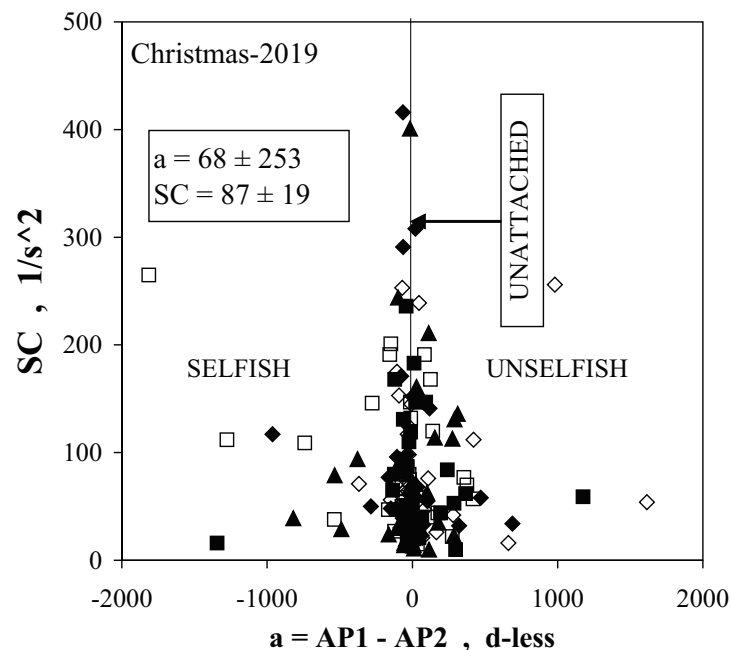


Figure 14.

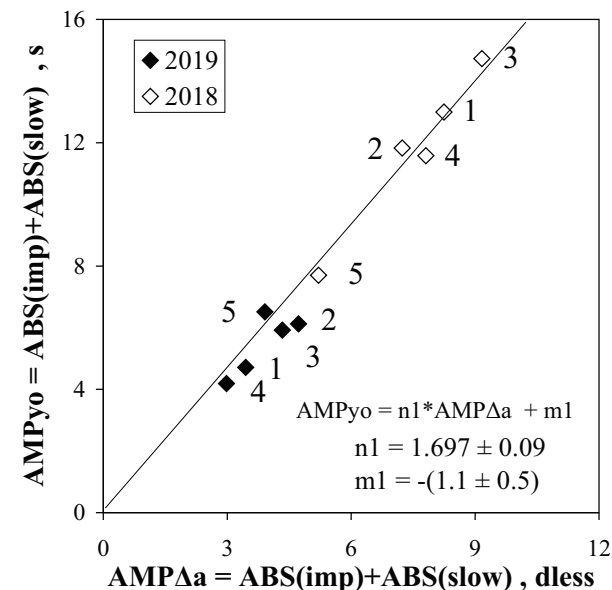


Figure 15.

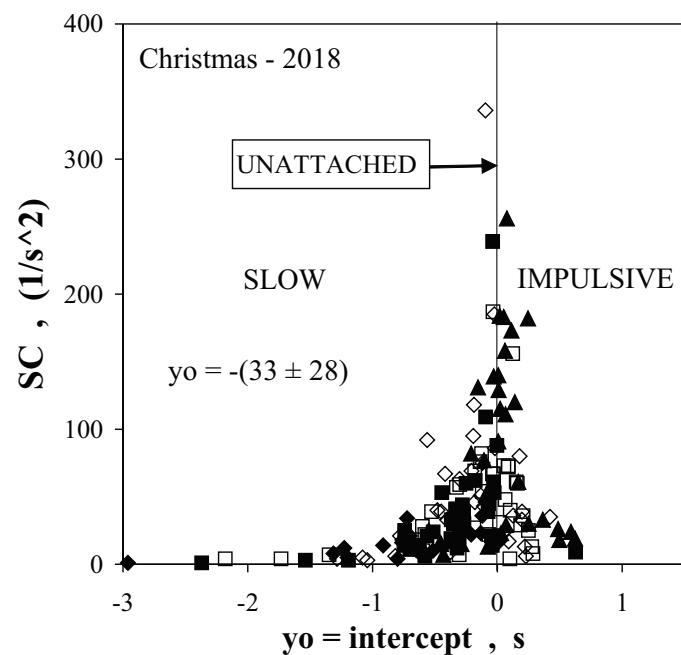


Figure 16.

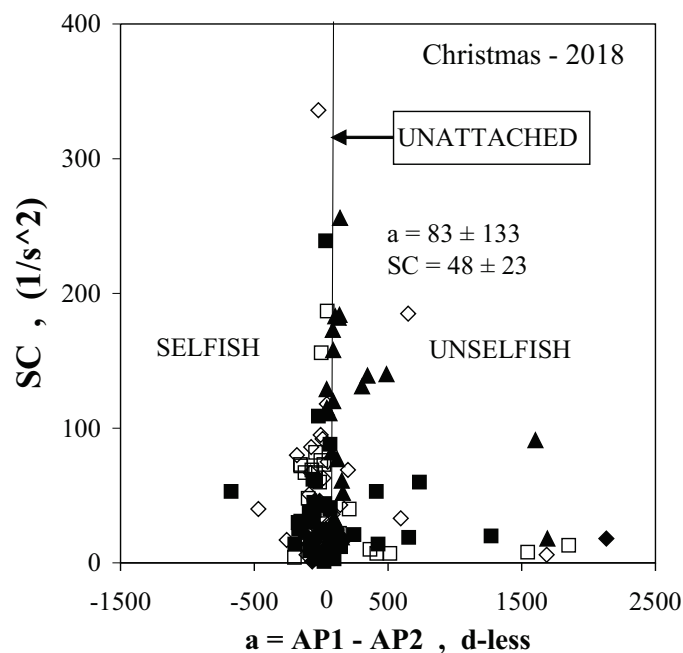


Figure 17.

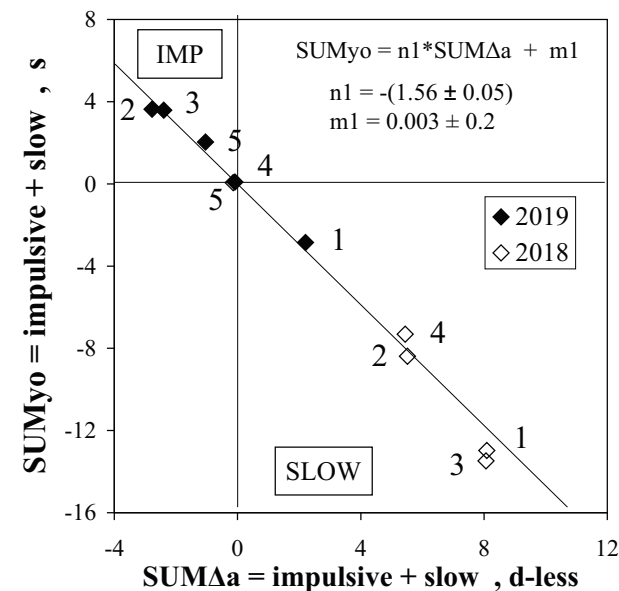


Figure 18.

<https://www.lap-publishing.com>



<https://www.morebooks.de/store/gb/book/composite-structure-of-human-mind/isbn/978-613-9-45072-5>

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Chapter 1

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 will decide to try HuPoTest to contact me for help without any obligation.

Bucharest, February 2019

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publications	<ul style="list-style-type: none">● >100 scientific papers● >70 scientific communications● 17 patents● 6 books
Address:	all correspondence by e-mail: gdf.dragan@gmail.com

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
2001	5	2	Editorial: Viscosity – a symptomatic problem of actual metrology. Visco-Dens Calorimeter: general features on density and viscosity measurements. New vision on the calibration of thermometers: ISOCALT® MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition.	F
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)	
2005	9	1	AWARD for ISOCALT® at the International Fair TIB-2004, October 2004, Bucharest. ISOCALT® 3/70/21 was awarded in a selection of 20 products by a commission of experts from the Polytechnic University of Bucharest. Upon some aspects of temperature measurements. (12 th International Metrology Congress, 20-23 June 2005, Lyon, France)	F
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 -1	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 -1 - data bank of NTC thermistors	AFI
2008	12	1	Australian population: life, death and cancer	F
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
2010	14	1	Studies on cement hydration by High Resolution Mixing Calorimetry (HRMC).	F
2010	14	2	Measuring tools for subtle potentials; pas-LED: an efficient measuring tool for subtle potentials.	F
2010	14	3	Upon some features of cancer in Australia: 1982 – 2006.	F
2010	14	4	Cancer as an erosion process in human society.	F
2010	14	5	Cancer erosion in Australian human society: 1982 – 2006.	F
2010	14	6	Cancer erosion in German human society:1980-2008.	F
2011	15	1	Procedures and devices for energy and water saving. (I) (in Romanian).	F
2011	15	2	Structural and relativistic aspects in transforming systems. I. Arrhenius and Universal representations of thermally driven processes.	F
2011	15	3	Topoenergetic aspects of water structuring as revealed by ac electric conductivity.	F
2011	15	4	Topoenergetic aspects of human body	F
2011	15	5	HuPoTest: four month study of a case	F
2012	16	1	DTA study of water freezing. I. Upon some aspects of repeatability.	F
2012	16	2	DTA study of water freezing. II. Statistical features on one week of experiments.	F
2012	16	3	DTA study of water freezing. III. New facts on daily mental field.	F
2012	16	4	Mental field and state of health. Câmpul mental și starea de sănătate.	F

2013	17	1	DTA study of water freezing. IV. New facts on energy circuits.	F
2013	17	2	DTA study of water freezing. V. Effect of a mental antenna	F
2013	17	3	AC electric conductivity of untreated and mentally treated electrolyte aqueous solutions.	F
2013	17	4	DTA study of water freezing. VI. Mental field in a working day.	F
2013	17	5	DTA study of water freezing. VII. More statistical features on one week of experiments.	F
2013	17	6	HuPoTest: New measurements and results	F
2013	17	7	Time as unique base quantity. (Proceedings of the 16th International Congress of Metrology, 7-10 October 2013, Paris, France).	F
2013	17	8	Eurovision song contest. 1. Basic social aspects	F
2013	17	9	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). I. ICFC description and preliminary results.	F
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
2014	18	1	Adiabatic calorimeter as high accuracy T-calibrator	F
2014	18	2	Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). II. Effect of convection flow power.	F
2014	18	3	Eurovision song contest. II. Copenhagen, Denmark 2014 and some more features on social mentality.	F
2014	18	4	The 38 th Congress of American-Romanian Academy (ARA) of Arts and Sciences, 23-27 July 2014, Pasadena, California, USA	F
2015	19	1	Gold versus money. 1. An overview on main financial figures of world countries.	F
2015	19	2	Gold versus money. 2. Rich, middle and poor countries.	F
2015	19	3	High Resolution Mixing Calorimetry (HRMC) redivivus. 1. General presentation and heat capacity measurements.	F
2015	19	4	High Resolution Mixing Calorimetry (HRMC) redivivus. 2. Structure developing of aqueous solutions by mixing experiments.	F
2015	19	5	High Resolution Mixing Calorimetry (HRMC) redivivus. 3. Calibration	F
2015	19	6	Evidence of human mental field by ac-electric conductivity in electrolyte solutions. 1. Bio-energy.	F
2015	19	7	High resolution mixing calorimetry redivivus. IV. Specific heat of crystalline phase of water. WPA2015: International Congress of World Psychiatric Association, Primary care mental health: innovation and transdisciplinarity, Bucharest, 24-27 June 2015, ROMANIA	F
2016	20	1	Quo vadis population growth on planet Earth: more details	F
2016	20	2	Structural aspects revealed by topoenergetic view on ac electric conductivity in HCl/(water + organic solvent)	F
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

2016	20	8	Interaction of quartz crystals with bio-fields. III. Quartz selection and their significances.	F
2016	20	9	HuPoTest – new attempt for self-evaluation and improvement of mental state	F
2017	21	1	Interaction of quartz crystals with bio-fields. IV. Rough estimation of reproducibility	F
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
2018	22	6	HuPoTest – seven week mental training during Ortodox Easter Fasting. III. Personal mind structure and pattern during training	F
2019	23	1	HuPoTest – up to date history HuPoTest – operating instructions HuPoTest – significance of calculated parameters HuPoTest – composite structure of mind	F
2019	23	2	Estimation of global warming by differential calorimetric procedure. II. Experimental results over 2018	F

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2019	23	3	Composite structure of human mind. HuPoTest results on 5 weeks of fasting before Christmas 2018	F
2019	23	4	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. XI. Results obtained over 2018. Book launch: Composite Structure of Human Mind	F
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
2019	23	6	Composite structure of human mind. HuPoTest results on 7 weeks of fasting before Orthodox Easter 2019 Book launch: Composite Structure of Human Mind	F
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

*) 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

I encourage readers to advice me any observation.

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