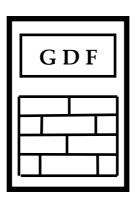
GDF DATA BANKS BULLETIN



VOL. 24, No. 7

Bucharest, July 2020 **ROMANIA**

Content

no. pages

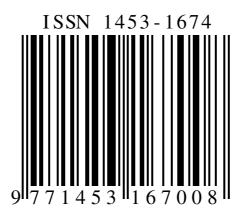
Composite structure of human mind.			
HuPoTest results on 7 weeks of fasting before Orthodox Easter 2020			
Book launch: Composite Structure of Human Mind	3		
About the author	1		
Previous issues of GDF DATABANKS BULLETIN	5		

(Erratum) 12 + 3 pages

any reproduction from

GDF DATABANKS BULLETIN

in other documents and/or publications needs the written agreement of the author All correspondence at: gdf.dragan@gmail.com



This Bulletin is registered at:

- Biblioteca Nationala a Romaniei, Bucharest and
- National Library of Australia, Canberra

www.gdfdatabanks.ro

Composite structure of human mind.

HuPoTest results on 7 weeks of fasting before Orthodox Easter 2020

This is the third session of HuPoTest experiments over 7 weeks of fasting associated to the Orthodox Easter, namely between 2nd March and 19th April 2020.

The main features evidencing mind evolution as a result of all previous sessions of HuPoTest both as test and training as well will be revealed in the present note. These experiments have been performed on several weeks as they are imposed by Orthodox religion before main holidays, namely: Easter [1], Christmas [2] and St. Paul [3].

Period of this series of experiments are strongly marked by the restrictions imposed by global pandemic covid-19. As I pointed out after latest experiments, the mental field around me influenced my mind even I took precautions of isolation, but my house although apparently is isolated with a relatively big yard around, is located in a populated neighborhood. This influence is clearly evidenced by experiments on water [4], aqueous solutions [5] and capacitors [6].

Figures 1-3 present the main structural parameters of my mind for each week estimated according to the previously established UNIVERSAL law [1-3, 7]. The first phylogenic parameters (n1, m1) show that the nature of mind is practically unchanged, but the domains of variation of these parameters are more reduced than in the previous experiments. Figure 4 represents the linear relationship between Mm (X) = Max (X) – min (X) for the two basic ontogeny parameters. In fact, these parameters represent figures of merit for the overall series of experiments. So, it results the evolution of my mind along all such series.

Furthermore, taking into account that M \sim -N \sim - LN(Ctr), Figure 5 shows the linear relationship resulted between min(M) \sim max(N) \sim LN(Ctr) for each series of experiments. Easter 2020 series appears as having the smallest Ctr component, but the highest kinetic entity, ctr (Figure 7). In the opposite situation is Xmas-2019 series as it results from Figures 7 and 8 especially caused by the greatest Ctr, CS and smallest ctr.

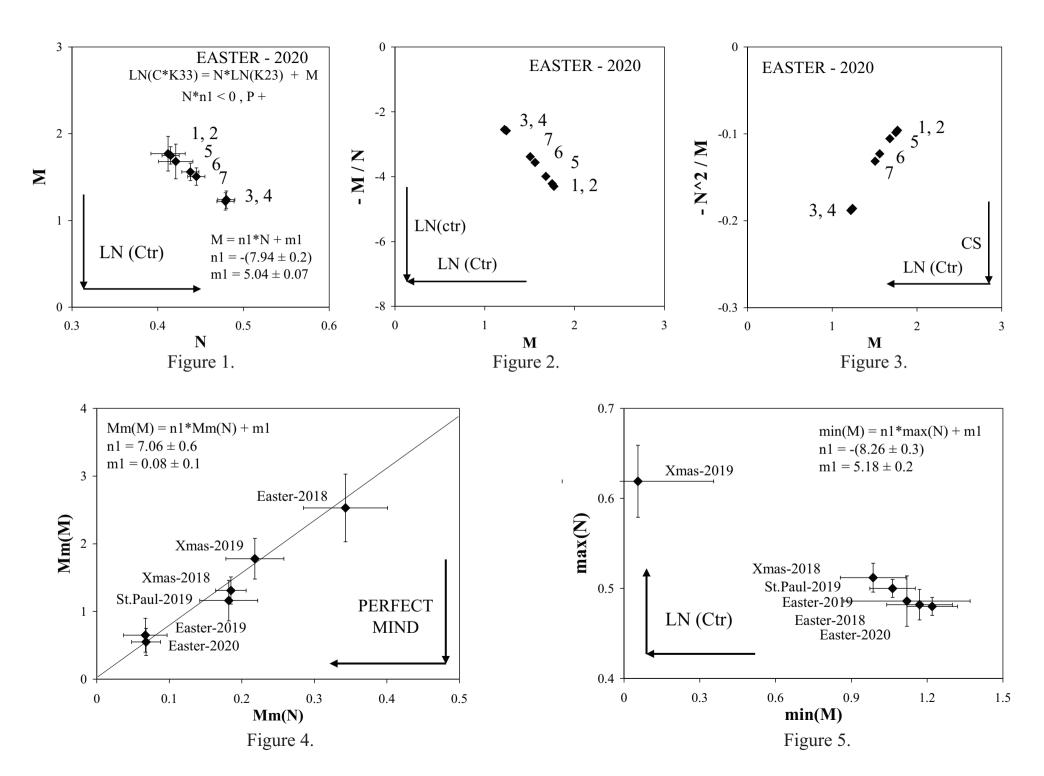
Figure 9 shows the linear relationships between Mm and associated standard uncertainties/deviations for N and M and this is another representation of the Figure 4 (see the associated error bars).

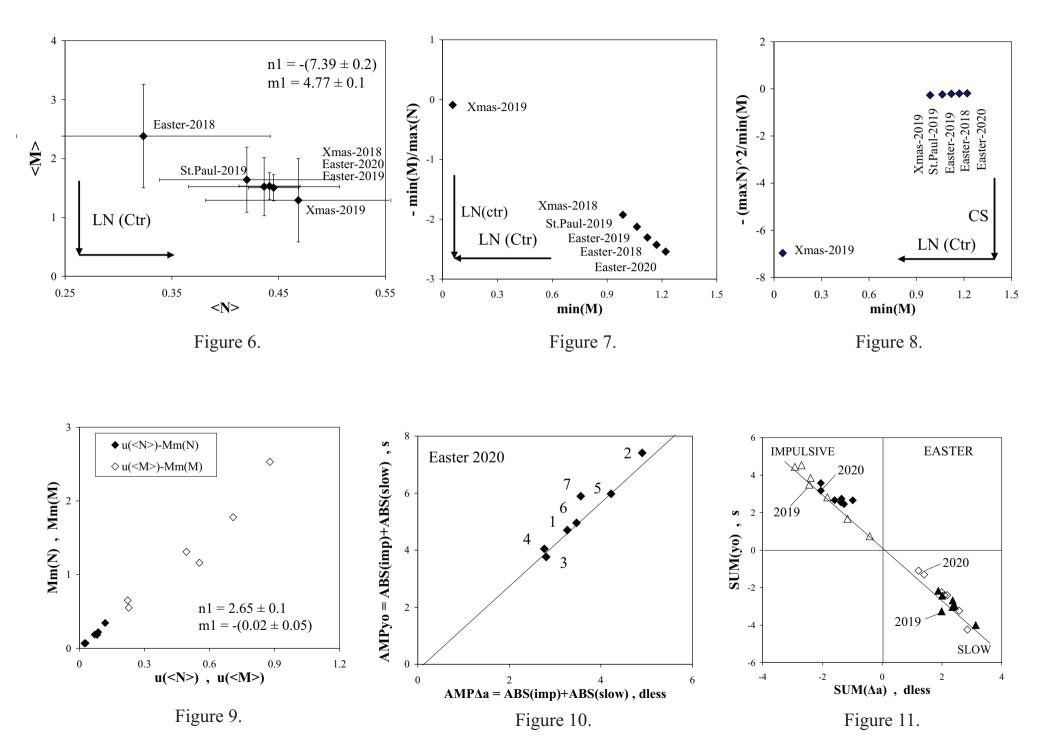
Figure 10 shows the relationship between amplitude of intercept (yo) and Δa parameters for each week of Easter 220 experiments taking acount of their slow or impulsive significance [1-3, 7].

Figure 11 shows the relationships between algebraic sum of intercept (yo) and Δa parameters for each week of experiments at Easter 2019 and 2020. The values for Easter 2020 are more grouped.

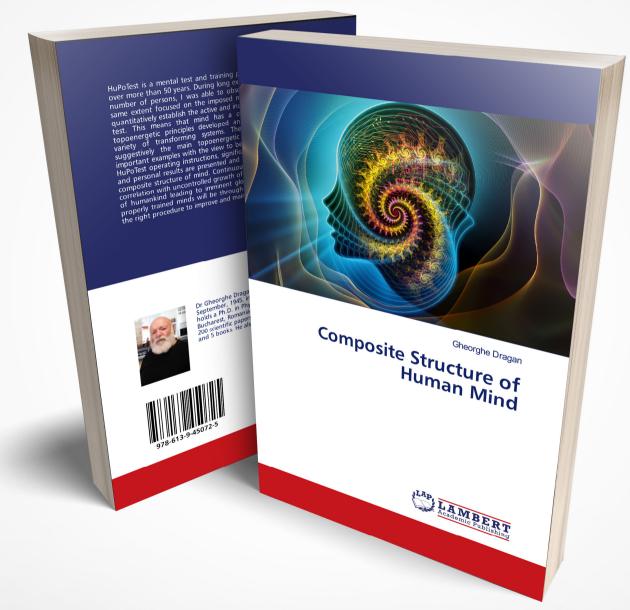
References

- [1] G. Dragan, HuPoTest seven week mental training during Ortodox Easter Fasting, GDF Databanks Bull., 22(4-6) 2018; 23(6) 2019
- [2] G. Dragan, Composite structure of human mind. HuPoTest results on 5 weeks of fasting before Christmas 2018, GDF Databanks Bull., 23(3) 2019; 24(2) 2020.
- [3] G.Dragan, HuPoTest-4 weeks of self evaluation, training and additional instructions, GDF Databanks Bull., 23(8) 2019.
- [4] G. Dragan, DTA study of water freezing. VII, GDF Databanks Bull., 17(5) 2013; Mental field-water interaction as evidenced by Isothermal Convection Flow Calorimetry (ICFC). II. Effect of convection flow power, GDF Databanks Bull., 17(9) 2013.
- [5] G.Dragan, Evidence of human mental field by ac-electric conductivity in electrolyte solutions. 1. Bioenergy, GDF Databanks Bull.,19(6) 2015; Stability of amorphous-crystalline coupling in electrolyte aqueous solutions in relation to interaction with bio-fields, GDF Databanks Bull., 20(3) 2016.
- [6] G. Dragan, Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. XIII. Results obtained over 2019, GDF Databanks Bull., 2(4) 2020.
- [7] G. Dragan, Composite structure of human mind, LAP Lambert Academic Publishing, 2019.





https://www.lap-publishing.com



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

Table of Contents

	Abbreviations and symbols	vi		
Chapter 1	Introduction	1		
Chapter 2	Composite structure of transforming systems	2		
Chapter 3	Upon some features of humankind evolution	8		
	3.1 Evolution of life on Earth	8		
	3.2 Evolution of individual human life	9		
	3.3 Evolution of human society on Earth	11		
Chapter 4	HuPoTest – up to date history	14		
Chapter 5	HuPoTest – operating instructions	17		
	5.1. Proper preparation of the person under test			
	5.2. Selection of the right standard stopwatch and performing			
	the basic test	17		
	5.3. Calculation of parameters defining the mental state	19		
	5.4. Management of data base	20		
Chapter 6	Metrology of time	21		
	6.1. Basic of metrology	21		
	6.2. HuPoTest vs metrology	23		
	6.3. Concluding remarks	24		
Chapter 7	HuPoTest – significance of calculated parameters	25		
	7.1 parameters from classical statistics	26		
	7.2 original parameters obtained by simple math formulas	26		
	7.3 original parameters obtained by professional math programs	28		
Chapter 8	HuPoTest – important relationships	30		
	8.1 Stopwatch B	30		
	8.2 Stopwatch E	36		
Chapter 9	HuPoTest – composite structure of human mind	45		
	References	51		
	About the author	55		

Gheorghe DRAGAN - Composite structure of human mind

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

About the author:

First name	Chaaraha
First name Gheorghe	
Last name	DRAGAN
Born	1 September 1945, Ploiesti, Prahova (Romania)
ORCID	0000-0002-5787-9779
	Faculty of Physics, University of Bucharest, Romania
Studies	(1963-1968)
Staares	Ph.D.in Physics, University of Bucharest, Romania
	(1980)
	 Head of material testing laboratory, ICECHIM,
	Polymer Department, Bucharest (1969-1979);
	• Initiator and leader of the research project on new
	forms and sources of energy; ICECHIM, Center of
	Physical Chemistry (1979-1988);
	Head of laboratory of analytical devices and
experience	measuring instruments, AMCO-SA,
	Bucharest (1988-1993);
	• Technical manager of GDF-DATA BANKS,
	Bucharest (1993-2008);
	• Expert metrologist, Romanian Bureau of Legal
	Metrology, Bucharest, Romania (1997-2000).
	• >100 scientific papers
publications	 >70 scientific communications
	• 17 patents
	• 6 books
	all agmagnandanga by a maile
Address:	all correspondence by e-mail:
	gdf.dragan@gmail.com

Previous issues of GDF DATABANKS BULLETIN

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.	Year	VOL	NO	Content (titles)	\$*)								
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.					+ /								
1997 1													
Solubility behavior introducing topoenergetic working principles.	1997	1	1	1	F								
Comments on I-octanol-water partition of several n-alkane related series.	1,,,,	-	-		_								
1997 1 2 Guide of good practice in metrology (Romanian) Editorial: socio-psychological implications in creation and utilization of a databank (Ioan-Bradu lamandescu); 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). AF													
Editorial: socio-psychological implications in creation and utilization of a databank (loan-Bradu lamandescu): 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). 1998 2 2 Practical course of metrology (Romanian) AF 1998 2 3 DIFFUTOR-01: Thermally driven diffusion in pure metals AF 1998 2 4 VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules 1999 3 1 DIFFUTOR: Databanks of thermally driven VLE. The first 100 simple molecules 1999 3 2 Discussions on Applied Metrology Editorial: New trends in material science: nanostructures (Dan Donescu) 1999 3 2 Discussions on Applied Metrology Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) 2000 Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses − important data banks. 2000 4 2 Measurement and Calibration. For the part of t	1997	1	2										
databank (Ioan-Bradu Iamandescu); Behavior in vapor-liquid equilibria; II. Several structures in databanks; Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania).													
1998 2 1 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). 1998 2 2 2 Practical course of metrology (Romanian) AF 1998 2 3 DIFFUTOR-01: Thermally driven diffusion in pure metals AF 1998 2 4 VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. YAPORSAT: Databanks of vapor-liquid separation kinetics. 1999 3 2 Discussions on Applied Metrology AF Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. 2000 4 1 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. 2000 4 2 Measurement and Calibration. AF 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. 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.													
Behavior in vapor-liquid equilibria: II. Several structures in databanks; Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania). 1998	4000	_			_								
Symposium on VDC-4 held on 30 October 1997 at Lubrifin-SA, Brasov (Romania). 1998 2 2 Practical course of metrology (Romanian) AF 1998 2 3 DIFFUTOR-01: Thermally driven diffusion in pure metals AF 1998 2 4 VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. VAPORSAT: Databanks of vapor-liquid separation kinetics. F VAPORSAT: Databanks of vapor-liquid separation kinetics. 1999 3 2 Discussions on Applied Metrology Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. 2000 4 1 GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999. 2000 4 2 Measurement and Calibration. 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. 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.	1998	2	1		F								
1998 2 2 2 Practical course of metrology (Romanian) AF													
1998 2 2 Practical course of metrology (Romanian)													
1998 2 3 DIFFUTOR-01: Thermally driven diffusion in pure metals 1998 2 4 VAPORSAT-01: Databanks of thermally driven VLE. The first 100 simple molecules Editorial: New trends in material science: nanostructures (Dan Donescu) DIFFUTOR: Databanks of diffusion kinetics. FUNDORSAT: Databanks of vapor-liquid separation kinetics. FUNDORSATION: Discussion of vapor-liquid separation kinetics. FUNDORSATION: Discussion of vapor-liquid separation kinetics. FUNDORSATION: Devents: Doctoral Metrology Compress of experiments on thermo-physical properties. FUNDORSATION: Devents: D	1998	2	2										
1998 2													
Editorial: New trends in material science: nanostructures (Dan Donescu) Editorial: New trends in material science: nanostructures (Dan Donescu) Full DIFFUTOR: Databanks of diffusion kinetics. Full DIFFUTOR: Databanks of vapor-liquid separation kinetics. Full Discussions on Applied Metrology AF			4	<u> </u>									
1999 3 1 DIFFUTOR: Databanks of diffusion kinetics. 1999 3 2 Discussions on Applied Metrology Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. 2000 4 1 GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999. 2000 4 2 Measurement and Calibration. 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. 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.	1998	2	4		AFI								
1999 3 1 DIFFUTOR: Databanks of diffusion kinetics. 1999 3 2 Discussions on Applied Metrology Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks. 2000 4 1 GDF intends to open new series of experiments on thermo-physical properties. Some comments on uncertainty: global budget and DFT analysis. Events: The 9th International Metrology Congress, Bordeaux, France, 18-21 October 1999. 2000 4 2 Measurement and Calibration. 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. 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.				Editorial: New trends in material science: nanostructures (Dan Donescu)									
2000 3 2 Discussions on Applied Metrology Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil Badescu) Doctoral Theses – important data banks.	1999	3	1	DIFFUTOR: Databanks of diffusion kinetics.	F								
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. 2000 4 2 Measurement and Calibration. 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. 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.				VAPORSAT: Databanks of vapor-liquid separation kinetics.									
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. 2000 4 2 Measurement and Calibration. 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. 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.	1999	3	2	Discussions on Applied Metrology	AFI								
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. Measurement and Calibration. 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. 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.				Editorial: Laboratory accreditation and inter-laboratory comparisons (Virgil									
2000 4 1 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. 2000 4 2 Measurement and Calibration. 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. 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.													
Some comments on uncertainty: global budget and DFT analysis. Events: The 9 th International Metrology Congress, Bordeaux, France, 18-21 October 1999. 2000 4 2 Measurement and Calibration. 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. 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.													
Events: The 9 th International Metrology Congress, Bordeaux, France, 18-21 October 1999. 2000 4 2 Measurement and Calibration. 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. 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.	2000	4	1		F								
October 1999. October 1999.													
2000 4 2 Measurement and Calibration. 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. 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.													
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. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
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. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;	2000	4	2		AFI								
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. 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.													
2001 5 1 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. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
2001). Events: Nanotubes and nanostructures 2000.School and workshop, 24 September – 4 October 2000, Cagliari, Italy. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
Events: Nanotubes and nanostructures 2000.School and workshop, 24 September – 4 October 2000, Cagliari, Italy. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;	2001	5	1		F								
September – 4 October 2000, Cagliari, Italy. 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. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
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. MOSATOR-01: Topoenergetic databanks for one component molten salts;				-									
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. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
2001 5 2 measurements. New vision on the calibration of thermometers: ISOCALT® MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition. 2002 6 1 MOSATOR-01: Topoenergetic databanks for one component molten salts;													
New vision on the calibration of thermometers: ISOCALT® MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition. MOSATOR-01: Topoenergetic databanks for one component molten salts;				· · · · · · · · · · · · · · · · · · ·									
MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition. MOSATOR: Topoenergetic databanks on molten salts properties driven by temperature and composition.	2001	5	2		F								
temperature and composition. MOSATOR-01: Topoenergetic databanks for one component molten salts;													
MOSATOR-01: Topoenergetic databanks for one component molten salts;													
	2002	6	1		AFI								
Editorial: HuPoTest - Operator calibration or temporal scale psychic test.													
	2002	6	2		F								
thermally driven viscosity and electrical conductance.	2002		_		1								
Editorial: Oue vadis Earth experiment?	• 0	_	_		_								
2002 6 3 Editorial. Quo vadis Earth experiment: ISOCALT®: Report on metrological tests	2002	6	3		F								
Editorial: Time – an instrument of the selfish thinking.													
1st NOTE: Homoeopathy: upon some efficient physical tests revealing	2002	_											
2003 7 1 structural modifications of water and aqueous solutions.	2003	7	1		F								
I. Mixing experiments.													
Metrological verification and calibration of thermometers using thermostats													
type ISOCALT® 21/70/2	2004	8	0 1		I.								
2004 8 1 Special Secretary 21770/2. Metrological verification and calibration of thermometers using thermostats F	2004	δ	1		F								
type ISOCALT® 2.2R.													
Aspects of correct measurements of temperature. I. measurement of a fixed													
2004 8 2 point according to ITS-90.	2004	8	2		F								
Physics and Homoeopathy: some physical requirements for homoeopathic	2004	U	_										

		1	ISSN 1453 - 1674	ı
			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.	F
2005	9	2	(12 th International Metrology Congress, 20-23 June 2005, Lyon, France) A new technique for temperature measurement and calibration. National Society of Measurements (NSM). Important warning for T-calibrator users: MSA has chose metrology we	
2005	9	3	calibrators from Fluke (Hart Scientific). 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.	
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	
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	RESISTOR© - data banks of materials with thermally driven electric and nagnetic properties RESISTOR© - NTC -1 - data bank of NTC thermistors	
2008	12	1	Australian population: life, death and cancer	F
2008	12	2	Pattern of Cancer Diseases	
2008	12	3	diabatic calorimetry – summary description of the demo prototype F	
2008	12	4	light QF 30 and even more emperature calibration of NTC-thermistors. 1.Preliminary esults.	
2009	13	1	roposal for interlaboratory comparisons. Calibration of NTC-thermistors (The 14 th International Metrology Congress, aris, France, 22-25 June 2009). Calibration of NTC-thermistors (The 14 th International Metrology Congress, aris, France, 22-25 June 2009).	
2009	13	2	Sudoku – un algoritm de rezolvare. (Sudoku – an algorithm for solution).	
2009	13	3	Cancer and Diabetes – as social diseases. (Open letter to all whom it may concern).	
2010	14	1	Studies on cement hydration by High Resolution Mixing Calorimetry (HRMC).	
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.	
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.	
2011	15	3	Topoenergetic aspects of water structuring as revealed by ac electric conductivity.	
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

			155N 1455 - 1074			
2013	17	1	DTA study of water freezing.	F		
2013	17		IV. New facts on energy circuits.	F		
		2	C electric conductivity of untreated and mentally treated electrolyte aqueous			
2013	17	3	lutions.			
2013	17	4	ΓA study of water freezing. VI. Mental field in a working day.			
2013	17	5	study of water freezing. VII. More statistical features on one week of iments.			
2013	17	6	PoTest: New measurements and results			
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	 Procedure for defining standard liquids for viscosity based on topoenergetic principles. 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. 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. 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. Open letter to BRML and INM. 	F		
2014	18	1	Adiabatic calorimeter as high accuracy T-calibrator	F		
2014	18	2	ental field-water interaction as evidenced by Isothermal Convection Flow lorimetry (ICFC). II. Effect of convection flow power.			
2014	18	3	rovision song contest. II. Copenhagen, Denmark 2014 I some more features on social mentality.			
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	fold versus money. 1. An overview on main financial figures of world buntries. fold versus money. 2. Rich, middle and poor countries.			
2015	19	2	Gold versus money. 2. Rich, middle and poor countries.			
2015	19	3	High Resolution Mixing Calorimetry (HRMC) redivivus. General presentation and heat capacity measurements.			
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)			
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			
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		

Previous issues of GDF DATABANKS BULLETIN, (continued)

2016	20	8	Interaction of quartz crystals with bio-fields.	F
2016	20	9	III. Quartz selection and their significances.HuPoTest – new attempt for self-evaluation and improvement of mental state	F
2010	20	9	Interaction of quartz crystals with bio-fields.	
2017	21	1	IV. Rough estimation of reproducibility	
			Interaction of quartz crystals with bio-fields.	F
2017	21	2	V. Closer look on quantitative estimations	
2017	2.1	_	Interaction of quartz crystals with bio-fields.	-
2017	21	3	VI. Influence of Moon phases	F
			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/)	
2017	21	4	and to all whom it may concern	F
2017	21		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. Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields.	
2017	21	5	VIII. Dielectrics with high oriented crystalline structure.	F
2017	21]	HuPoTest – data base correlations revealing mental pattern.	1
			Upon some features of global economic structure	
2017	21	6	Eurovision song contest 2017	F
			HuPoTest – proper training and creation of simple database in view to evaluate	
2017	21	7	mental improvement	F
			HuPoTest – project for the complete software available for any individual user	
2017	21	8	Global warming facts	F
Topoenergetic structure of trees ramification		Topoenergetic structure of trees ramification	Г	
2017	21	9	HuPoTest – simple Matlab software for time measurements	F
2017	21	,	HuPoTest – preliminary tests on PUT response reaction	1
2018	22	1	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields.	F
2010		•	IX. Measurements on 1 st June 2017- 9 th January 2018.	1
			Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields.	
			X. Further estimations on 1 st June 2017- 9 th January 2018.	
2018	22	2	HuPoTest – new tests on PUT response reaction HuPoTest – read this first before use it (updated)	F
2016	22		HuPoTest – read this first before use it (updated) HuPoTest – an efficient test and training procedure for mental and health state	Г
			(abstract sent to the International Congress of Royal College of Psychiatrics -	
			2018)	
2010	22	_	Estimation of global warming by differential calorimetric procedure.	-
2018	22	3	I. Experimental principles, preliminary results and their significances.	F
			Definition and assignment of some global uncertainties of measurements, 9th	
			International Metrology Congress, Bordeaux, France, 18-21 October 1999, pp.	
2018	22	4	353-356.	F
2010	22	-	HuPoTest - errors originating from software	1
			HuPoTest – seven week mental training during Ortodox Easter Fasting.	
			I. New rules for more realistic and efficient measurements.	
2018	22	5	HuPoTest – seven week mental training during Ortodox Easter Fasting.	F
			II. Statistic features of particular data and their significance	
2018	22	6	HuPoTest – seven week mental training during Ortodox Easter Fasting.	F
			III. Personal mind structure and pattern during training HuPoTest – up to date history	
			HuPoTest – up to date mistory HuPoTest – operating instructions	
2019	23	1	HuPoTest – operating instructions HuPoTest – significance of calculated parameters	F
			HuPoTest – significance of calculated parameters HuPoTest – composite structure of mind	
	_		Estimation of global warming by differential calorimetric procedure.	_
2019	23	2	II. Experimental results over 2018	F
		1	11. Experimental results over 2018	

			133N 1433 - 10/4	
2019	23	3	Composite structure of human mind. HuPoTest results on 5 weeks of fasting before Christmas 2018	F
2019	23	4	nteraction of unpolarized capacitors with Human Mental Field and Bio-Fields. KI. Results obtained over 2018. Book launch: Composite Structure of Human Mind	
2019	23	5	teraction of unpolarized capacitors with Human Mental Field and Bio-Fields. II. New results obtained over 2018. book launch: Composite Structure of Human Mind	
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
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
2020	24	3	Left-Right Bio-Balance: Calorimetric approach of human mental state II. Results on male persons under test. Book launch: Composite Structure of Human Mind	F
2020	24	4	Interaction of unpolarized capacitors with Human Mental Field and Bio-Fields. XIII. Results obtained over 2019. Book launch: Composite Structure of Human Mind	F
2020	24	5	Estimation of global warming by differential calorimetric procedure. III. Experimental results over 2019 Book launch: Composite Structure of Human Mind	F
2020	24	6	Structural aspects of temperature phase transition in PTC-thermistors. I. DC electric measurements Book launch: Composite Structure of Human Mind	F

^{*)} F=free, AFI=ask for invoice.

GDF DATABANKS BULLETIN, VOL. 24, NO. 7, 2020 Please feel free to distribute in integral form this issue. All correspondence at the author: gdf.dragan@gmail.com

Any reproduction from GDF DATABANKS BULLETIN in other documents and/or publications needs the written agreement of the author

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 dTc 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	(yo, Δ b)<0, Δ a>0: slow reaction (yo, Δ b)>0, Δ a<0: impulsive reaction

I encourage readers to advice me any observation.



www.gdfdatabanks.ro