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Workshop topics

- 1. Water changing and identifying the quality
- 2. Water applications and treatments
- 3. Water ecology and environment

Workshop Programme

Date/Time	Thursday, 9 th September 2010		
09:00 – 10:00	Registration of participants – RIN GRAND Hotel – Floor XIII, Lobby		
	Display of posters		
	Exposure of products for exhibiton		
	Hall "BRUXELLES"		
10:00 - 10:15	Opening Scientific Event		
10:00 – 10:05	Prof. Dr. Wilhelm Kappel General Director of INCDIE ICPE-CA Bucharest, Romania		
10:05 - 10:10	Dr. Patrick Flanagan		
10:10 - 10:15	Flantech Group, USA Eng. Mihai Rapeanu		
10:15 - 11:30	Senior Researcher, INCDIE ICPE-CA Bucharest, Romania		
10.13 - 11.30	Section 1. Water - changing and identifying the quality		
10:30 - 11:00	Chair: Gillis Patrick Flanagan Carmen Popescu Adrian Cranta Co-chair: Mihai Rapeanu The Most Essential Substance: H ₂ O – Water - Biochemical and		
11:00 – 11:30	Biophysical Implications Ion Brad Research Center for Macromolocular Materials and Membranes, Bucharest, Romania ◆ Researches regarding the Influence of Ice Water on Health and Longevity		
	• Theories of Structured Water and Low Water in Biological Systems		
	Microcluster Technology		
	Adrian Cranta SC FLANTECH PRO SRL, Romania		
11:30 – 12:00	Coffee Break		
	RIN GRAND Hotel, Floor XIII – Lobby		
12:00 – 14:00	Section 1. Water - changing and identifying the quality		
12:00 – 12:15	Chair: Gillis Patrick Flanagan Carmen Popescu Adrian Cranta Co-chair: Mihai Rapeanu Revealing Indicators – Characteristics of Treated Water Mihai Rapeanu National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania		

	International Workshop "WATER QUALITY" Bucharest, ROMANIA, September 9 ^{th –} 11 th , 2010
12:15 – 12:30	 Magnetic Treatment Effects on the Solubility of Salts in Water Studied by Lyoluminescence
12:30 - 14:00	Traian Zaharescu National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania ◆ The Memory of Water
	◆ The Use of Pi Water in Various Domains
	Marioara Godeanu Institute of Applied Ecology, Bucharest, Romania
14:00 – 14:30	Coffee Break
	RIN GRAND Hotel, Floor XIII – Lobby
14:30 – 17:00	Section 1. Water - changing and identifying the quality
14:30 – 15:00	 Preliminary Study on Structured Water Action over the Biosystems through the Polyedral Carbon
	Octavian Serjantu ¹ , George Florea ² 1S. C. Mediquant SRL, Timisoara, Romania
15:00 – 16:00	 ²S.C. Power & Lighting Tehnorob S. A., Bucharest, Romania Magnesium Activated Hydrogen Ions and Biological Activity: Empirical Analyses and Clinical Significance
	 Differential Metabolic Effects on Mitochondria by Silica Hydride Using Capillary Electrophoresis
	 Evaluation of Hydroxyl Radical-Scavenging Abilities of Silica Hydride, an Antioxidant Compound, by a Fe²⁺-EDTA-Induced 2- Hydroxyterephthalate Fluorometric Analysis
	 Antioxidant Capability and Efficacy of Mega-HTM Silica Hydride, an Antioxidant Dietary Supplement, by <i>In Vitro</i> Cellular Analysis Using Photosensitization and Fluorescence Detection
	♦ Non-toxic Hydride Energy Source for Biochemical and Industrial Venues: ORP and NAD ⁺ Reduction Analyses
	 Antioxidant Capacity of Silica Hydride: a Combinational Photosensitization and Fluorescence Detection Assay
	Gillis Patrick Flanagan Flantech Group, USA
16:00 – 16:15	♦ Fluorescence Evaluation of Drinking Water Organic Contamination
	<u>Luminita Ghervase</u> National Institute for Optoelectronics INOE 2000, Bucharest, Romania
16:15 – 16:30	 The Evaluation of the Mineral Water Bottled in PET's Genotoxicity, through Allium Test
	Mihaela Corneanu Banat's University of Agriculture and Veterinary Medicine, Timisoara, Romania

16:30 – 17:00	Coffee Break RIN GRAND Hotel, Floor XIII – Lobby
17:00 – 17:30	Section 1. Water – changing and identifying the quality
17:00 – 17:15	◆ Water Economy
17:15 – 17:30 17:30 – 17:47	 Lucretia Eugenia Brezeanu Romania The Treatment of the Water in Tridimensional Magnetic Field Zoltan Istvan Marozy Ecological University of Bucharest, Romania Puriefied Water for Pharmaceuticals, Dietary Supplements and Cosmetics
	- Quality & Stability Studies
	<u>Carmen Popescu</u> SC HOFIGAL EXPORT IMPORT SA, Bucharest, Romania
17:45 – 19:00	Round table "Water and Life"
	Moderator: Mihai Rapeanu INCDIE ICPE-CA Bucharest, Romania

Date/Time	Friday, 11 th September 2010		
08:30 – 09:00	Registration of participants – RIN GRAND Hotel – Floor XIII, Lobby		
	Hall "BRUXELLES"		
09:00 - 11:30			
	Section 2. Water - applications and treatments Chair: Gabor Somlyai		
	Chair: Gabor Somlyai Corneliu Moldovan Co-chair: Mihai Rapeanu		
09:00 - 09:30	 Deuterium has a Key Role in Tumors Development – New Target in Anticancer Drug Development 		
	Gabor Somlyai HYD LLC for Cancer Research and Drug Development, Budapest, Hungary		
09:30 – 10:30	 Modification of Thermo-Electric-Dermal Pattern of the Active Electro- Dermal Points, Dependent on Drinking-Water Quality 		
	 Cutaneous Laser Reflectometry in Active Electro-Dermal Points after ingestion of water 		
	• Effects of Ingested Water on Neurovegetative Periphereals Reactivity		
	<u>Corneliu Moldovan</u> National Institute of Complementary and Alternative Medicine "Prof. dr. Florin Bratila", Bucharest, Romania		
10:30 – 11:30	 Studies concerning DDW Use for Deuterium's Depletion in Laboratory Animals' Organism 		
	 Determination of Deuterium Depletion in Plymouth Rock Chickens' Bodies 		
	Radu Tamaian		
	National Research and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania		
11:30 – 12:00	Coffee Break		
	RIN GRAND Hotel, Floor XIII - Lobby		
12:00 - 14:00	Section 2. Water - applications and treatments		
12:00 –12:15	 Cellular and Oxidative Response in the Simultaneous Exposure to Asbestos and Deuterium Depleted Water. Experimental Studies 		
10.15 10.20	Didi Surcel Blue Life Medical Center, Cluj-Napoca, Romania		
12:15 – 12:30	• Deuterium – depleted water in cancer therapy		
	Roxana Mirica Romania		

12:30 – 12:45	◆ The Radioprotector Effect of Depleted Deuterium Water (DDW) and Total Polyphenols Extract from ARALIA MANDSHURICA or NIGELLA SATIVA in MUS MUSCULUS
	Corneanu C. Gabriel "Vasile Goldis" West University, Arad, Romania
12:45 – 13:00	 Water - a Frame of Hereditary Potential Manifestation
	Gallia Butnaru Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania
13:00 - 14:00	Section 3. Water – Ecology and Environment
13:00 – 13:15	Hydropower Impact on Water Quality
	Florentina Bunea
	National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania
13:15 – 13:30	 Optimized Monitoring Programm to Assess the Quality of Potable Water Produced and Distributed by 2 Romanian Companies
	<u>Irina Lucaciu</u>
	National Institute for Research and Development for Industrial Ecology, Bucharest, Romania
13:30 – 13:45	 Influence of Domestic Distribution System to the Tap Water Quality
	Gabriela Vasile National Institute for Research and Development for Industrial Ecology, Bucharest, Romania
13:45 – 14:00	◆ The Disinfectin of Drinking Water and Purged Residual Water with the Chlorine Free Ecological Disinfectant SANOSIL. Conclusions and recommendations
	Veronica Gitye
	SC SANOSIL SRL, Oradea, Romaia
14:00 – 14:30	Coffee Break
	RIN GRAND Hotel, Floor XIII – Lobby
14:30 – 16:30	Section 3. Water – Ecology and Environment
14:30 - 15:00	 Protectia mediului, apa potabila si turismul
	<u>Ioan Ionescu</u> "Dimitrie Cantemir" Christian University
15:00 – 15:30	 Shallow Aquifer Pollution with Heavy Metals and Aluminium in Neferal Area (the East of Bucharest)
	Giuliano Tevi Ecological University of Bucharest, Romania

15:30 – 16:00	 Pyramid Type Installations and Technologies for the Purification of Waste Waters
	♦ The Purification of the Various Categories of Waste Waters Using Aquatic Plants and Obtaining Valuable Biomass
16:00 – 16:30	 Marioara Godeanu Institute of Applied Ecology, Bucharest, Romania Centralized Drinking Water Distribution for All Villages. Environmental Impact
	 Centralized Waste Water Distribution for All Villages. Environmental Impact
	Mateescu Ioan Romania
16:30 – 17:00	Coffee Break
	RIN GRAND Hotel, Floor XIII – Lobby
17:00 – 17:30	 Efficiency of the Drinkable Water Use in Public Activities. Case Study – Bucharest City
	<u>Cristian Ioja</u>
	University of Bucharest, Romania
17:30 – 17:45	◆ Tap Water vs. Bottled Water
	Mihaela Vasilescu
	Ecological University of Bucharest, Romania
17:45 - 18:00	 The Climatic Information Contained in Water Isotopes
	Diana Costinel
	National Research and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania
18:00 – 19:00	Poster Session
	RIN GRAND Hotel, Floor XIII, Lobby
	Posters are displayed during all two workshop days.

Date/Time	Saturday, 11 th September 2010	
09:00 – 10:30	RIN GRAND Hotel – Floor XIII, Lobby	
	Lobby	
09:00 - 10:00	Networking Meetings	
10:00 - 11:00	Exhibition - Presenting the products and equipment	
11:00 - 12.45	Visiting the research departments of INCDIE ICPE-CA	
12:45 – 13:00	Closing remarks	

RIN GRAND Hotel – Lobby

	Poster session	
09:00 - 10:00	Thursday, 9 th September 2010	Poster display
18:00 – 19:00	Friday, 11 th September 2010	Poster evaluation

Poster Evaluation Panel

Chairman: G. Somlyai Members: I. Stefanescu

S. Manea M. Rapeanu

List of posters

1. The Characterization of Chemical Behavior of Water Subjected to the Action of Magnetic Field

ZAHARESCU TRAIAN¹, JIPA SILVIU², CODESCU MARIA MIRELA¹

2. The Patent for Invention - Protection Title and Economic Instrument in the Competitive Market

CREŢU ADINA, BERDE SOFIA

State Office for Inventions and Trademarks, Bucharest, Romania

3. CF-IRMS Applications for Isotopic Fingerprinting of Different Water Sources

COSTINEL DIANA, IONETE ROXANA, VREMERA RALUCA, STEFANESCU IOAN AND TITESCU GHEORGHE

National R&D Institute of Cryogenics and Isotopic Technologies – ICSI Rm. Valcea, Research & Development Department – ICSI Rm. Valcea, Str. Uzinei, Nr. 4 OP 4, CP 10, Rm. Valcea, Cod 240050, Romania, e-mail: dianacostinel@yahoo.com

4. Aspects regarding Quality of Bottled Water

PRIOTEASA LARISA, LEMNE NICOLETA, VASILIU GABRIELA, NEAGU LILIANA
National Institute of Public Health, National Reference Laboratory for Water Quality Monitoring,
Romania

5. Variation of REDOX Potentials on the Vegetal Extracts in Purified (Infunsions and Decocts)

POPESCU MARIANA¹, SETNIC SILVIA¹, <u>DUNE ALINA</u>¹, POPESCU CANDICE², POPESCU BOGDAN³

¹ National Institute for Research and Development in Electrical Engineering ICPE-CA, 313 Splaiul Unirii, 030138, Bucharest, Romania

² Valahia University of Targoviste, Romania

¹ SC HOFIGAL EXPORT IMPORT SA, Bucharest, Romania

² "Carol Davila" Faculty of Pharmacy, Bucharest, Romania

³ HYM Pharmacies, Bucharest, Romania