

POSTER PRESENTATIONS

<i>Poster Session 1 – Wednesday, 27 September 2017</i>			
Poster No	Author	Affiliation	Poster Title
<u>T1-1</u>	D Axente	INCDTIM Cluj Napoca	The Calculus of the Operation Parameters at Pressure of the Primary Separation Column of the ¹⁵ N Production Plant
<u>T1-2</u>	Z Balazs	INCDTIM Cluj Napoca	Macro- and microelements distribution among <i>Phaseolus Vulgaris L.</i> plant parts, irrigated with water having different isotopic composition
<u>T1-3</u>	F Bora	Research Station for Viticulture and Enology, Targu Bujor	Assessment of polluted areas based on the content of heavy metals in different organs of the grapevine (<i>Vitis vinifera</i>)
<u>T1-4</u>	I Bratu	INCDTIM Cluj Napoca	Eighteen century Jesus the Savior wooden icon-analytical investigations
<u>T1-5</u>	M Circu	INCDTIM Cluj Napoca	The dynamics of dopamine deuteration on the aromatic ring
<u>T1-6</u>	D Costinel	ICSI Rm Valcea	Use of stable isotopes and chemometric methods as tools for illegal watering detection of wines
<u>T1-7</u>	F Covaciu	INCDTIM Cluj Napoca	Analytical procedures for the determination of some functionalized materials performances used for retention of organic pollutants from waste water treatment plants
<u>T1-8</u>	A Dehelean	INCDTIM Cluj Napoca	Infant food supplements quality evaluation through complex analytical methods
<u>T1-9</u>	I Feher	INCDTIM Cluj Napoca	Phytoremediation of hexachlorocyclohexan (HCH) polluted soils using different wild plants
<u>T1-10</u>	V Floare-Avram	INCDTIM Cluj Napoca	Removal of organic pollutants from aqueous solution by adsorption on metal organic framework and grapheme oxide based materials
<u>T1-11</u>	F Ma	Oil Crops Research Institute, Wuhan, China	Determination of capsaicinoids for vegetable oil adulteration by immunoaffinity chromatography cleanup coupled with LC-MS/MS
<u>T1-12</u>	A Magdas	INCDTIM Cluj Napoca	Survey on the authenticity of the cider commercialized on Romanian market
<u>T1-13</u>	C Marcu	INCDTIM Cluj Napoca	Sorption reactions at the two ends of uranium band in ²³⁵ U isotope enrichment column
<u>T1-14</u>	O Marincas	INCDTIM Cluj Napoca	Wastewater decontamination using low-cost adsorbent materials obtained from agricultural waste

<u>T1-15</u>	S Mirel	Iuliu Hațieganu University of Medicine and Pharmacy, Cluj Napoca	Silver wound dressings: comparison of the antimicrobial efficacy of commercially available dressings
<u>T1-16</u>	Z Moldovan	INCDTIM Cluj Napoca	Appearance of water micropollutants in water as effects of extreme meteorological events
<u>T1-17</u>	R Puscas	INCDTIM Cluj Napoca	Stable isotopes determination in edible mushrooms from the spontaneous flora of Transylvania
<u>T1-18</u>	S Radu	INCDTIM Cluj Napoca	Chemometric approach for the differentiation of greenhouse grown vegetables from those cultivated in the field
<u>T1-19</u>	C Tanaseila	ICIA Cluj Napoca	Improving semiquantitative analysis for water samples, using a fast multielement spectrometric method
<u>T1-20</u>	R Trusca	INCDTIM Cluj Napoca	Optimization of polyphenols extraction from hawthorn fruits
<u>T1-21</u>	C Voica	INCDTIM Cluj Napoca	Removal of Toxic Metals from Water Using Nanostructured Carbon Materials
<u>T1-22</u>	X Yue	Oil Crops Research Institute, Wuhan, China	Aflatoxin contamination of peanuts at harvest in China and its relationship with climatic conditions
<u>T1-23</u>	L Zhang	Oil Crops Research Institute, Wuhan, China	Authentication of edible vegetable oil based on fatty acid profiles and chemometric methods
<u>T2-1</u>	M Andrei	INCDTIM Cluj Napoca	Assessment of metals content in dandelion (<i>Taraxacum officinale</i>) leaves grown on mine tailings
<u>T2-2</u>	A Bende	INCDTIM Cluj Napoca	Low-lying excited states and their relaxation pathways of phenothiazine
<u>T2-3</u>	R Chelcea	Technical University of Cluj-Napoca	Advanced methods for the characterization of commercial cosmetics effects on the skin
<u>T2-4</u>	C Ciucure	ICSI Rm Valcea	Tracking some emerging environmental contaminants acting as endocrine disruptors
<u>T2-5</u>	N Dina	INCDTIM Cluj Napoca	Rapid, accurate, and comparative discrimination of clinically relevant fungi via SERS fingerprinting and robust chemometric techniques
<u>T2-6</u>	A D Farcas	INCDTIM Cluj Napoca	Structure – biological activity profile of <i>Plantago</i> flavonoids with estrogenic potential
<u>T2-7</u>	Al Farcas	INCDTIM Cluj Napoca	Multiscale models of wild-type and G12V mutant Nras oncogenic systems
<u>T2-8</u>	A M R Gherman	INCDTIM Cluj Napoca	The bactericidal activity of some penicillins revealed by electronic structure and molecular docking

<u>T2-9</u>	I Kacso	INCDTIM Cluj Napoca	Crystal engineering in pharmaceutical research
<u>T2-10</u>	M Mic	INCDTIM Cluj Napoca	Molecular interaction between drugs with antimicrobial activity and macromolecular receptors
<u>T2-11</u>	A Moldovan	ICIA Cluj Napoca	Design of experiments for methylene blue removal on activated carbon using Taguchi methodology
<u>T2-12</u>	C Zagrean-Turza	Babes-Bolyai University Cluj Napoca	Structural and mechanistic characterization of a new ubiquitin ligase–PRT1 from <i>Arabidopsis thaliana</i>
<u>T2-13</u>	C Muntean	INCDTIM Cluj Napoca	Vibrational relaxation of LacDNA complexes by UV resonance Raman spectroscopy
<u>T2-14</u>	C Neamtu	INCDTIM Cluj Napoca	Growth of common bean (<i>Phaseolus vulgaris</i> L.) exposed to electrosmog in a controlled environment
<u>T2-15</u>	S Neamtu	INCDTIM Cluj Napoca	Interaction of allicin with human serum albumin investigated by fluorescence spectroscopy
<u>T2-16</u>	A Pirnau	INCDTIM Cluj Napoca	Quantitative analysis of zidovudine – HSA interaction based on ITC calorimetry, fluorescence quencing and NMR relaxometry
<u>T2-17</u>	H Popeneciu	INCDTIM Cluj Napoca	Crystal and molecular structure of a Pitofenone Hydrochloride polymorph
<u>T2-18</u>	S Porav	INCDTIM Cluj Napoca	Structural features induced in pathogenic bacteria by their interaction with natural and synthetic antibiotic agents
<u>T2-19</u>	T Szoke-Nagy	INCDTIM Cluj Napoca	Antibiotic susceptibility of <i>Aeromonas hydrophila</i> monitored through SERS mapping methodology
<u>T2-20</u>	V A Toma	INCDTIM Cluj Napoca	Allicin: natural distribution, antioxidant and biological activity profile
<u>T2-21</u>	A Turza	INCDTIM Cluj Napoca	Crystal and molecular structure of Sodium (2-carbamoylphenoxy) acetate
<u>T3-1</u>	S Albert	INCDTIM Cluj Napoca	Raspberry Pi NIR camera with intervalometer
<u>T3-2</u>	D Bilc	INCDTIM Cluj Napoca	Anisotropic electronic transport in layered calcium cobaltite $\text{Ca}_3\text{Co}_4\text{O}_9$
<u>T3-3</u>	N Birlea	Technical University of Cluj-Napoca	A power saving protocol for impedance spectroscopy
<u>T3-4</u>	E Bruj	INCDTIM Cluj Napoca	Solar energy conversion on a two-axis tracker
<u>T3-5</u>	D Dadarlat	INCDTIM Cluj Napoca	Photothermal characterization of liquid thermoelectrics

<u>T3-6</u>	R Felseghi	Technical University of Cluj-Napoca	The role of hydrogen as a future solution to energetic and environmental problems for residential buildings
<u>T3-7</u>	S Garabagiu	INCDTIM Cluj Napoca	Pulsed laser deposition of Fe-based Heusler compounds for thermoelectric applications
<u>T3-8</u>	R Gavrea	Babes-Bolyai University Cluj Napoca	Influence of the Cu doping on the Electronic Structure and Magnetic Properties of the Mn ₂ VAl Heusler compound
<u>T3-9</u>	M Streza	INCDTIM Cluj Napoca	Finite element optimization of a heat pump based on electrocaloric effect
<u>T3-10</u>	I Grosu	INCDTIM Cluj-Napoca	Ferroelectric Metal-organic Frameworks for Energy Storage
<u>T3-11</u>	W Jia-ou	Institute of High Energy Physics, Beijing, China	Brief Introduction – Photoemission spectroscopy (PES) Beamline @BSRF
<u>T3-12</u>	W Jiayi	Institute of High Energy Physics, Beijing, China	Small-Angle X-ray Scattering Study on Electric Response of Electrorheological Fluid
<u>T3-13</u>	G Zs Kiss	INCDTIM Cluj Napoca	Laser-atom interaction beyond the strong field approximation model
<u>T3-14</u>	K Kovacs	INCDTIM Cluj Napoca	Attosecond lighthouse generated with shaped mid-infrared laser pulses
<u>T3-15</u>	I Nadas	INCDTIM Cluj Napoca	Considerations for designing robotic upper limb rehabilitation devices
<u>T3-16</u>	M N Pop	INCDTIM Cluj Napoca	An experimental reactor for bioethanol production
<u>T3-17</u>	R Pop	INCDTIM Cluj Napoca	Water intake flow efficiency study for micro-hydro power plant

Poster Session 2 – Thursday, 28 September 2017

<u>T3-18</u>	O Raita	INCDTIM Cluj Napoca	Innovative Cluster for Pilot Technology in Alternative Energy
<u>T3-19</u>	T M Soimosan	Technical University of Cluj-Napoca	The assessment of global thermo-energy performances of existing district heating systems optimized by harnessing renewable energy sources
<u>T3-20</u>	E Surducan	INCDTIM Cluj Napoca	Broadband rectenna array for electrosmog harvesting
<u>T3-21</u>	V Surducam	INCDTIM Cluj Napoca	Efficient low-power wireless communication setup for an autonomous soil moisture sensor
<u>T3-22</u>	F Toadere	INCDTIM Cluj Napoca	A spectral image processing algorithm for evaluation the influence of the illuminants on the reconstructed reflectances
<u>T3-23</u>	V Tosa	INCDTIM Cluj Napoca	Femtosecond pulse propagation and harmonic generation in multiple ionizing media

<u>T3-24</u>	C Tripon	INCDTIM Cluj Napoca	Coupled photothermal methods for thermal characterization of solid thermoelectrics
<u>T3-25</u>	C Yu	Institute of High Energy Physics, Beijing, China	Brief Introduction of 1W1A Diffuse X-ray Scattering Beamline @BSRF
<u>T4-1</u>			
<u>T4-1</u>	D Bogdan	INCDTIM Cluj Napoca	Fighting against bacteria colonies
<u>T4-2</u>	L C Bolundut	Technical University of Cluj-Napoca	Influence of the thermal treatment on structural properties of some zinc-phosphate glass doped with manganese ions
<u>T4-3</u>	G Borodi	INCDTIM Cluj Napoca	Effect of erbium(III) oxide addition on thermal properties and crystallization behavior of some zinc-borate glasses
<u>T4-4</u>	M Bosca	Technical University of Cluj-Napoca	The role of gadolinium(III) oxide addition on structural and magnetic properties of some thermally treated zinc-borate glasses
<u>T4-5</u>	R T Bratfalean	INCDTIM Cluj Napoca	Ar ⁺ jet treatment, before deposition, and low substrate temperature, during deposition – factors which enhance the solid-state de-wetting of thin Au films
<u>T4-6</u>	A Bunge	INCDTIM Cluj Napoca	Correlation between relevant reaction parameters and properties of magnetite clusters produced by a solvothermal polyol process
<u>T4-7</u>	C Cadar	Technical University of Cluj-Napoca	Liquid distribution of water and cyclohexane molecules inside carbon aerogels and xerogels under partially saturated conditions
<u>T4-8</u>	A Ciorita	Babes-Bolyai University Cluj Napoca	Tissue distribution of intravenous and intraperitoneal administration of SPIONs in a rat model
<u>T4-9</u>	A Colnita	INCDTIM Cluj Napoca	High quality, nanostructured surfaces fabricated using nanoimprint lithography
<u>T4-10</u>	M Coros	INCDTIM Cluj Napoca	Graphene-gold nanoparticles composites: Synthesis and application
<u>T4-11</u>	D Corpodean Moldovan	Technical University of Cluj-Napoca	Characterization of Poly (isobutylene - co-maleic acid) sodium salt -cross-linked hydrogel by Low-Field 1D and 2D ¹ H NMR Laplace Spectroscopy
<u>T4-12</u>	I Craciunescu	INCDTIM Cluj Napoca	Development of erbium doped core-shell Fe ₃ O ₄ - MnFe ₂ O ₄ magnetic nanoparticles functionalized with polyethylene glycol for magnetic resonance imaging

<u>T4-13</u>	C Cristea	Iuliu Hațieganu University of Medicine and Pharmacy, Cluj Napoca	Smart materials for smart (bio)sensors
<u>T4-14</u>	L Curecheriu	Alexandru Ioan Cuza University of Iasi	Preparation and functional properties of PVDF-based composites
<u>T4-15</u>	M Dan	INC DTIM Cluj Napoca	MOF-based catalysts for hydrogen production from formic acid
<u>T4-16</u>	A Falamas	INC DTIM Cluj Napoca	Time-correlated single photon counting of rare-earth doped Ag nanoparticles
<u>T4-17</u>	X Filip	INC DTIM Cluj Napoca	Structural investigation of polydopamine deposited on silica substrates
<u>T4-18</u>	I-V Ganea	INC DTIM Cluj Napoca	Materials based on functionalized poly(benzofurane-co-arylacetic acid) for wastewater treatment
<u>T4-19</u>	A M M Gherman	INC DTIM Cluj Napoca	Nanosecond Laser Photo-Induced Heating of Gold Nanoparticles Embedded in a Polymer Matrix - the Influence of Interface Conductance
<u>T4-20</u>	O Grad	INC DTIM Cluj Napoca	Graphene-based Catalysts for Efficient Hydrogen Generation from Formic Acid
<u>T4-21</u>	S Gutoiu	INC DTIM Cluj Napoca	Structural and Magnetic Behaviour of Chemically Synthesized CoPt@Fe ₃ O ₄ Magnetic Nanoparticles
<u>T4-22</u>	G M Ispas	Babes-Bolyai University Cluj Napoca	New electrode materials based on functionalized magnetic nanoparticles for electrochemical application in nitrite detection
<u>T4-23</u>	E Jumate	Technical University of Cluj-Napoca	Plastering mortar with antibacterial and antifungal properties studied by ¹ H NMR relaxometry
<u>T4-24</u>	M D Lazar	INC DTIM Cluj Napoca	Graphene oxide – metal nanoparticle composites: preparation and characterization
<u>T4-25</u>	C Leostean	INC DTIM Cluj Napoca	Magnetic properties of Fe ₃ O ₄ -TiO ₂ :Eu composite nanoparticles
<u>T4-26</u>	I Lung	INC DTIM Cluj Napoca	Optimization of some heavy metals removal from aqueous solution using biosynthesized magnetite nanoparticles
<u>T4-27</u>	S Macavei	INC DTIM Cluj Napoca	Growth of Cu ₂ ZnSnS ₄ thin films on Si (100) substrates by PLD
<u>T4-28</u>	L Magerusan	INC DTIM Cluj Napoca	Green method for the preparation of chitosan / carbon base nanomaterial and its applicability in heavy metal ion detection
<u>T4-29</u>	D Marconi	INC DTIM Cluj Napoca	Hybrid ZnO/FePc nano-diode fabricated by molecular beam epitaxy
<u>T4-30</u>	M Mihet	INC DTIM Cluj Napoca	Ni@MOF catalysts for low temperature CO ₂ methanation

<u>T4-31</u>	M G Miricioiu	ICSI Rm Valcea	Synthesis, characterization and efficiency of PSF/MCM-41 membranes for CO ₂ removal
<u>T4-32</u>	A Mustea	Technical University of Cluj-Napoca	Plaster mortars with polymer fibers and additives investigated by ¹ H NMR relaxometry
<u>T4-33</u>	E M Nagy	INCNTIM Cluj Napoca	FT-IR and morphological (SEM) investigation of starch based composite reinforced with miscanthus fibers
<u>T4-34</u>	V Niculescu	ICSI Rm Valcea	Platinum mesoporous silica catalysts for liquid media oxidation
<u>T4-35</u>	O Opris	INCNTIM Cluj Napoca	The efficiency of the multi-walled carbon nanotubes used for the antibiotics removal from wastewaters generated by animal farms
<u>T4-36</u>	O Pana	INCNTIM Cluj Napoca	New properties of Fe ₃ O ₄ @SnO ₂ core shell nanoparticles following interface charge/spin transfer
<u>T4-37</u>	A Petran	INCNTIM Cluj Napoca	Magnetic nanoclusters doped with rare earths metals
<u>T4-38</u>	F Pogacean	INCNTIM Cluj Napoca	Electrochemical detection of phenolic compounds with graphene-porphyrin modified electrode
<u>T4-39</u>	L Pop	Technical University of Cluj-Napoca	New germanate system with paramagnetic ions
<u>T4-40</u>	A Popa	INCNTIM Cluj Napoca	Photocatalytic performance of magnetic composites based on Fe ₃ O ₄ and Gd doped TiO ₂
<u>T4-41</u>	M Rada	INCNTIM Cluj Napoca	Structural analysis of Sb ₂ O ₃ doped lead-lead dioxide glass ceramics by XRD and XAS spectroscopy
<u>T4-42</u>	S Rada	INCNTIM Cluj Napoca	Behaviour of zirconia-magnesia ceramics in the presence of iron (III) oxide
<u>T4-43</u>	T Radu	INCNTIM Cluj Napoca	Synthesis and characterization of Fe ₃ O ₄ @SiO ₂ core-shell nanoparticles functionalized with vinylimidazole-rare earth complexes
<u>T4-44</u>	M C Rosu	INCNTIM Cluj Napoca	Photocatalytic degradation of amaranth dye using PVC/TiO ₂ -Ag/graphene films under natural daylight exposure
<u>T4-45</u>	M L Soran	INCNTIM Cluj Napoca	Preparation of MnO ₂ nanocatalyst used for biofuel production
<u>T4-46</u>	M Stan	INCNTIM Cluj Napoca	Chitosan coating of green synthesized magnetite nanoparticles: preparation and characterization
<u>T4-47</u>	M Stefan	INCNTIM Cluj Napoca	Morphologic and structural characterization of magnetic recoverable Fe ₃ O ₄ /SnO ₂ photocatalyst
<u>T4-48</u>	A Stegarescu	INCNTIM Cluj Napoca	Functionalization of iron/platinum nanoparticles with core-shell structure

<u>T4-49</u>	M Streza	INCDTIM Cluj Napoca	Simultaneously imaging of the thermal diffusivity and effective infrared absorption coefficient of GaAs wafer using lock-in thermography
<u>T4-50</u>	R C Suci	INCDTIM Cluj Napoca	Ytria and sodium oxide stabilized silica-zirconia ceramics for dental applications
<u>T4-51</u>	D Toloman	INCDTIM Cluj Napoca	Synthesis and characterization of CuInS ₂ -ZnO nanocomposite
<u>T4-52</u>	A Vulcu	INCDTIM Cluj Napoca	Dopamine Adsorption on Graphene-based Composite: Electrochemical and Raman Spectroscopic Investigations
<u>T4-53</u>	M Zagrai	INCDTIM Cluj Napoca	Evaluating the lead affinity of V ₂ O ₅ additives used in spent lead acid battery recycling