

## POSTER PRESENTATIONS

<i>Poster Session 1 – Wednesday, 22 September 2021</i>			
<b>Poster No</b>	<b>Author</b>	<b>Affiliation</b>	<b>Poster Title</b>
<b><u>T1-1</u></b>	A Anghel	Babes-Bolyai University Cluj-Napoca	Determination of capsaicin and dihydrocapsaicin in topical creams using HPLC and extended standard addition calibration
<b><u>T1-2</u></b>	D Axente	INCDTIM Cluj-Napoca	Reactors for sulfuric acid decomposition in the thermochemical production of hydrogen
<b><u>T1-3</u></b>	A Balla	INCDTIM Cluj-Napoca	Compensation effect in catalytic oxidation of carbon monoxide
<b><u>T1-4</u></b>	B Bosca	Babes-Bolyai University Cluj-Napoca	Dual-mode determination of selenium in biofortified <i>Allium</i> microsamples following piaszelenol formation and solid phase microextraction
<b><u>T1-5</u></b>	I Bratu	INCDTIM Cluj-Napoca	Analysis of the painting materials from the Dângău Mic wooden church, Cluj County
<b><u>T1-6</u></b>	G Bulubasa	ICSI Rm Valcea	Investigations regarding helium isotopes separation by gas chromatography
<b><u>T1-7</u></b>	F Covaciu	INCDTIM Cluj-Napoca	Assessment of <i>trans</i> fatty acids content in food from Romanian market
<b><u>T1-8</u></b>	G Cristea	INCDTIM Cluj-Napoca	Assessing the isotopic fingerprint of ethanol from Transylvanian distillates
<b><u>T1-9</u></b>	A Dehelean	INCDTIM Cluj-Napoca	Multielement analysis of fruit distillates from Transylvania area
<b><u>T1-10</u></b>	I Feher	INCDTIM Cluj-Napoca	Mushroom's evaluation based on FT-IR fingerprint and chemometrics
<b><u>T1-11</u></b>	V Floare-Avram	INCDTIM Cluj-Napoca	Spectrophotometric methods used for investigation of total phenolic compounds and antioxidant activity of commercial edible oils
<b><u>T1-12</u></b>	C Lar	INCDTIM Cluj-Napoca	Synthetic Strategies for Labeled Catecholamine-Based Compounds
<b><u>T1-13</u></b>	A Magdas	INCDTIM Cluj-Napoca	Applications of ANNs in honey recognition based on isotopic and elemental content
<b><u>T1-14</u></b>	C Marcu	INCDTIM Cluj-Napoca	Kinetics and thermodynamics for U(VI), Fe(III) and Cr(VI) adsorption using an anion exchange resin
<b><u>T1-15</u></b>	O Marincas	INCDTIM Cluj-Napoca	<i>Trans</i> fat content in edible oils commercially available in Romania
<b><u>T1-16</u></b>	Z Moldovan	INCDTIM Cluj-Napoca	Determination of the Fatty Acids profile in edible oils using GC-MS system
<b><u>T1-17</u></b>	Cs Molnar	INCDTIM Cluj-Napoca	Fatty acid and multielement profile of breast milk over different lactation stages
<b><u>T1-18</u></b>	A Niculescu	ICSI Rm Valcea	Fractional distillation column design for hydrogen isotope separation
<b><u>T1-19</u></b>	A Pirnau	INCDTIM Cluj-Napoca	Fuzzy algorithms applied in fruit spirits authentication

<b><u>T1-20</u></b>	R H Puscas	INCDTIM Cluj-Napoca	Applications of stable isotopes for geographical and varietal recognition of Romanian and French honeys
<b><u>T1-21</u></b>	S Radu	INCDTIM Cluj-Napoca	Synthesis and Structural Analysis of Some Isotopically Labeled Amadori Products
<b><u>T1-22</u></b>	J-Zs Szucs-Balazs	INCDTIM Cluj-Napoca	Optimization of nitrogen-15 production by isotopic exchange in nitrox system
<b><u>T1-23</u></b>	V Taciuc	Babes-Bolyai University Cluj-Napoca	Finding best weighted linear regression model for heteroscedastic data by maximizing likelihood function
<b><u>T1-24</u></b>	A Trifa	Babes-Bolyai University Cluj-Napoca	Investigation of the painting of the royal icon of Jesus Christ
<b><u>T1-25</u></b>	I Udrea	Babes-Bolyai University Cluj-Napoca	The spectroscopic analysis of constituent materials of the Romanian icon, "The Entry of Lord into Jerusalem", by Grigore Ranite
<b><u>T1-26</u></b>	C Voica	INCDTIM Cluj-Napoca	Concentrations and exposure risks of toxic elements in facial cosmetics
<b><u>T2-1</u></b>	F G Apostolescu	UMF Craiova	Identification and quantification of valuable bioactive compounds from three commercial species of Stachys
<b><u>T2-2</u></b>	M Bacalum	IFIN-HH Magurele	Spectral analysis of Laurdan fluorescence reveals changes induced by AMPs in lipid membranes
<b><u>T2-3</u></b>	V Birlea	Babes-Bolyai University Cluj-Napoca	Effect of gamma radiation on some dosimetric interest compounds: an EPR study
<b><u>T2-4</u></b>	D Bogdan	INCDTIM Cluj-Napoca	Investigation of Citronella Oil as Green Corrosion Inhibitor for Carbon Steel in Acidic Media
<b><u>T2-5</u></b>	P Bulieris	INCDTIM Cluj-Napoca	PAMAM dendrimers conjugated with antimicrobial peptides
<b><u>T2-6</u></b>	R I Chelcea	Technical University Cluj-Napoca	Structural and kinetic characterization of expired drugs by <sup>1</sup> H NMR relaxometry and FT-IR spectroscopy
<b><u>T2-7</u></b>	A Colnita	INCDTIM Cluj-Napoca	Nanotrenches-based flexible platform for surface-enhanced Raman scattering trace level detection
<b><u>T2-8</u></b>	R Crainic	Babes-Bolyai University Cluj-Napoca	<sup>1</sup> H NMR relaxometry and FT-IR spectroscopy used for characterization of organo-mineral fertilizers based on biosolids
<b><u>T2-9</u></b>	I Brezestean	INCDTIM Cluj-Napoca	Surface-enhanced Raman spectroscopy of endosulfan pesticide on silver nanoparticle films fabricated by convective self-assembly
<b><u>T2-10</u></b>	N E Dina	INCDTIM Cluj-Napoca	Thin layer gold-based substrate for pathogens SERS detection and quorum sensing monitoring

<b><u>T2-11</u></b>	L R Dragan	Babes-Bolyai University Cluj-Napoca	FT-IR spectroscopy used for identification of cancer specific biomarkers in blood plasma
<b><u>T2-12</u></b>	A Farcas	INCDTIM Cluj-Napoca	Molecular dynamics investigation of oligonucleotide-functionalized gold nanoparticles
<b><u>T2-13</u></b>	C Farcau	INCDTIM Cluj-Napoca	Surface-enhanced Raman spectroscopy of propranolol on different SERS substrates - a step towards dual SERS-electrochemical sensors for pharmaceutical pollution monitoring
<b><u>T2-14</u></b>	C G Floare	INCDTIM Cluj-Napoca	<sup>1</sup> H NMR spectroscopic characterization of inclusion complex of Desferrioxamine B chelator and b-Cyclodextrin
<b><u>T2-15</u></b>	A Ghendov-Mosanu	Technical University of Moldova Chisinau	Effect of ultrasound-assisted extraction parameters on bioactive compounds from grape marc
<b><u>T2-16</u></b>	A Ghendov-Mosanu	Technical University of Moldova Chisinau	Optimizing the extraction of pectin from apple pomace
<b><u>T2-17</u></b>	I Kacso	INCDTIM Cluj-Napoca	PAMAM dendrimers as a nanocarrier for Nalidixic acid delivery
<b><u>T2-18</u></b>	K Kovacs	INCDTIM Cluj-Napoca	Three ways to choose between two attosecond pulses
<b><u>T2-19</u></b>	D Marconi	INCDTIM Cluj-Napoca	3D metallic nanotrenches arrays fabricated using nanoimprint lithography
<b><u>T2-20</u></b>	I Marica	Babes-Bolyai University Cluj-Napoca	Environmental degradation and pigments influence on plastics waste determined by Raman Spectroscopy: sorting algorithm and plastic Raman database
<b><u>T2-21</u></b>	M Mic	INCDTIM Cluj-Napoca	Synthesis and molecular interaction of a novel diphenolic hidrazinyl-thiazole compound with strong antioxidant and antiradical activity with HSA
<b><u>T2-22</u></b>	A Moldovan	ICIA Cluj-Napoca	Mine drainage treatment using Scenedesmus spp., Chlorella spp. and Anabaena spp. microalgae
<b><u>T2-23</u></b>	A Moldovan	ICIA Cluj-Napoca	Potential of coltsfoot for biomonitoring metal polluted soils
<b><u>T2-24</u></b>	A Moldovan	ICIA Cluj-Napoca	Li uptake, accumulation and effect on Salvinia natans macrophytes metabolism
<b><u>T2-25</u></b>	A Moldovan	ICIA Cluj-Napoca	Metal removal from mining-impacted water by a green technology using Salvinia natans
<b><u>T2-26</u></b>	I Motrescu	Iasi University of Life Sciences	Cold plasma processing of seeds as non-chemical, green technology for production stimulation
<b><u>T2-27</u></b>	C M Muntean	INCDTIM Cluj-Napoca	Ultrasensitive spectroscopy of DNA from in vitro grown Solanum tuberosum L. leaves
<b><u>T2-28</u></b>	R D Pasca	INCDTIM Cluj-Napoca	Rydberg-type electronic excited states in sodium-doped water clusters
<b><u>T2-29</u></b>	M Raileanu	IFIN-HH Magurele	Melittin: a new use in cancer therapy

<b><u>T2-30</u></b>	A Soran	Babes-Bolyai University Cluj-Napoca	Materials based on lanthanide complexes with polycarboxylic acids - synthesis, spectroscopic characterization and magnetic properties
<b><u>T2-30</u></b>	A Soran	Babes-Bolyai University Cluj-Napoca	Synthesis, physicochemical properties, crystal molecular structure and DFT investigation of an organobismuth(III) bis(dimethyldithiocarbamate)
<b><u>T2-32</u></b>	R D Stoica	IFIN-HH Magurele	Separation and characterization of specific anti-dicamba antibodies using antigen type SiO <sub>2</sub> -based nano-immunosorbents
<b><u>T2-33</u></b>	A V Tomut	Babes-Bolyai University Cluj-Napoca	Compressing VQE circuit with applications in the study of small molecules
<b><u>T2-34</u></b>	C Tripon	INCDTIM Cluj-Napoca	New non-contact photopyroelectric method for thermal diffusivity investigation of porous solids: theoretical approach and mathematical simulations
<b><u>T2-35</u></b>	D Ungur	INCDTIM Cluj-Napoca	Crystallization process development of Febuxostat most stable polymorph and of a soluble salt thereof
<b><u>T2-36</u></b>	B Zorila	IFIN-HH Magurele	Effects of propolis extracts on model membranes
<b><u>T3-1</u></b>	A Barbu-Gorea	Technical University Cluj-Napoca	Researches about the recycling of mobile phone
<b><u>T3-2</u></b>	D Benea	Babes-Bolyai University Cluj-Napoca	Investigations on the magnetic properties of the RFe <sub>11</sub> Ti (R = Y, Gd and Pr) by Zr, Co and C doping
<b><u>T3-3</u></b>	E Bruj	INCDTIM Cluj-Napoca	Influence of hydrogen adding in the Stirling engine combustion process
<b><u>T3-4</u></b>	O Bruj	INCDTIM Cluj-Napoca	Minimum ac impedance determination in commercial Li-ion batteries by experimental measurements
<b><u>T3-5</u></b>	L-Buimaga Iarinca	INCDTIM Cluj-Napoca	DFT investigations of early stages of formation of aluminium oxide at Al surface
<b><u>T3-6</u></b>	A Corbu	INCDTIM Cluj-Napoca	Testing a proton-exchange membrane fuel cells for an electric vehicle mobile charging station
<b><u>T3-7</u></b>	D Cuibus	Technical University Cluj-Napoca	
<b><u>T3-8</u></b>	S Garabagiu	INCDTIM Cluj-Napoca	Design of a semiconductor thin-film thermocouple fabricated by pulsed laser deposition
<b><u>T3-9</u></b>	R Gavrea	INCDTIM Cluj-Napoca	Lead Bismuth Eutectic (LBE) as thermal agent in concentrated solar power applications
<b><u>T3-10</u></b>	A M R Gherman	INCDTIM Cluj-Napoca	Component identification of liquid mixtures by using computational models

<b><u>T3-11</u></b>	O Mocan	INCDTIM Cluj-Napoca	Developing a platform to support urban energy monitoring and the co-creation of the city's energy transition
<b><u>T3-12</u></b>	D N Piscoiu	Technical University Cluj-Napoca	Calcium oxide - lead - lead dioxide vitroceraamics
<b><u>T3-13</u></b>	S Pogacian	INCDTIM Cluj-Napoca	Testing and certification of front-end electronics for particle detectors
<b><u>T3-14</u></b>	M N Pop	INCDTIM Cluj-Napoca	An energy measurement system for battery powered applications
<b><u>T3-15</u></b>	R Pop	INCDTIM Cluj-Napoca	Optimization of river flow capture at micro-hydro power plant intake to increase electricity production
<b><u>T3-16</u></b>	S Rada	INCDTIM Cluj-Napoca	Recycled and antimony-doped lead materials: XRD, SANS and voltammetric study
<b><u>T3-17</u></b>	O Raita	INCDTIM Cluj-Napoca	Noises and vibrations in Cluj-Napoca
<b><u>T3-18</u></b>	G A Rosca	INCDTIM Cluj-Napoca	Maintenance and efficiency monitoring of photovoltaic systems
<b><u>T3-19</u></b>	S Gergely	INCDTIM Cluj-Napoca	Advanced in automated control of dynamic laser scanning of surfaces in flying spot thermography
<b><u>T3-20</u></b>	V Surducian	INCDTIM Cluj-Napoca	Calibration of RF matrix array detectors for environmental electromagnetic field
<b><u>T3-21</u></b>	F Toadere	INCDTIM Cluj-Napoca	Enhancement of SEM images quality
<b><u>T3-22</u></b>	V Tosa	INCDTIM Cluj-Napoca	Numerical model for femtosecond pulse propagation in hollow core fibers
<b><u>T3-23</u></b>	I Toth	INCDTIM Cluj-Napoca	Reconstruction of ultrashort laser pulses by convolutional neural networks
<b><u>T3-24</u></b>	M Zagrai	INCDTIM Cluj-Napoca	Structural Evolution and Physical, Optical and Electrochemical Properties of Manganese Ions in Lead Glass

***Poster Session 2 –Thursday, 23 September 2021***

<b><u>T4-1</u></b>	C Banciu	ICPE-CA Bucharest	Investigation of TiO <sub>2</sub> /3D free-standing graphene networks
<b><u>T4-2</u></b>	C Banciu	ICPE-CA Bucharest	Comparative study of the hydrophobic properties of silica nanoparticles functionalized with different agents
<b><u>T4-3</u></b>	I Brezestean	INCDTIM Cluj-Napoca	Spectroscopic and microscopic investigations of the graphene oxide influence on hybrid powder products based on LDH structures
<b><u>T4-4</u></b>	A Bunge	INCDTIM Cluj-Napoca	Anticoagulant properties of coated Fe-Pd ferromagnetic shape memory ribbons
<b><u>T4-5</u></b>	M A Ciolan	Alexandru Ioan Cuza University Iasi	Transparent thin film of zinc oxide for solar cells applications fabricated by pulsed laser deposition

<b><u>T4-6</u></b>	C Ciomaga	Alexandru Ioan Cuza University Iasi	Structural and electrical properties of Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> ceramics
<b><u>T4-7</u></b>	C Ciomaga	Alexandru Ioan Cuza University Iasi	Effect of sintering on structural and electrical properties of (Ba,Sr)(Zr,Ti)O <sub>3</sub> ceramics for energy storage applications
<b><u>T4-8</u></b>	A Ciorita	INCDTIM Cluj-Napoca	From macro to nanoLDPE: crumbling/grinding time and impact on bacteria
<b><u>T4-9</u></b>	M M Codescu	ICPE-CA Bucharest	The influence of pH on the stability of SiO <sub>2</sub> suspensions
<b><u>T4-10</u></b>	M Coros	INCDTIM Cluj-Napoca	One step hydrothermal synthesis of nitrogen, boron co-doped graphene
<b><u>T4-11</u></b>	D Cosma	INCDTIM Cluj-Napoca	Preparation and characterization of hybrid materials based on graphene oxide and enzymes
<b><u>T4-12</u></b>	C Cristea	UMF Cluj-Napoca	Wearable and disposable sensors for wound infection biomarker monitoring
<b><u>T4-13</u></b>	M Dan	INCDTIM Cluj-Napoca	Eco-friendly method for PGM recovery from spent auto converters
<b><u>T4-14</u></b>	A Falamas	INCDTIM Cluj-Napoca	On the Resonance Raman excitation of Zinc Oxide nanoparticles
<b><u>T4-15</u></b>	C Filip	INCDTIM Cluj-Napoca	Hyaluronic acid @ Polydopamine composite coatings: synthesis and characterization
<b><u>T4-16</u></b>	I V Ganea	INCDTIM Cluj-Napoca	Neoteric Clay-Based Material for Heavy Metals Removal from Mining Waters
<b><u>T4-17</u></b>	O Grad	INCDTIM Cluj-Napoca	Selective Hydrogen production from formic acid decomposition on reduced graphene oxide supported AuPd nanocomposites
<b><u>T4-18</u></b>	M S Gutoiu	INCDTIM Cluj-Napoca	New emerging magnetic properties of FePt@SiO <sub>2</sub> nanocomposites
<b><u>T4-19</u></b>	R Hirian	Babes-Bolyai University Cluj-Napoca	Study of the Interphase Exchange Coupling and Magnetocaloric Effect in Co <sub>3</sub> Gd <sub>4</sub> +Co <sub>7</sub> Gd <sub>12</sub> Nanocomposite Obtained by Mechanical Milling
<b><u>T4-20</u></b>	G M Ispas	INCDTIM Cluj-Napoca	New magnetic polymeric hybrid composite electrode material for amperometric nitrite sensor
<b><u>T4-21</u></b>	I Lacan	Technical University Cluj-Napoca	The influence of alcohol in mouthwash on a bone regeneration cement: NMR relaxometry investigations
<b><u>T4-22</u></b>	G Lazar	Babes-Bolyai University Cluj-Napoca	New Drug Carrier for Slow Release: 5-Fluorouracil Formulation in Nanoporous Biogenic Mg-calcite from Blue Crab Shell
<b><u>T4-23</u></b>	C Leostean	INCDTIM Cluj-Napoca	Synthesis, characterization and photocatalytic activity of MWCNTs decorated with Cu-doped TiO <sub>2</sub>
<b><u>T4-24</u></b>	I Lung	INCDTIM Cluj-Napoca	CNT-COOH/MnO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> nanocomposite as adsorbent for the removal of pesticides from aqueous solution

<b><u>T4-25</u></b>	S Macavei	INCDTIM Cluj-Napoca	Pulsed laser deposition of ZnS/FePt thin films on Mg (100) substrates
<b><u>T4-26</u></b>	L Magerusan	INCDTIM Cluj-Napoca	Green preparation and applicability of chitosan/carbon based nanomaterial in Sunset Yellow electrochemical detection
<b><u>T4-27</u></b>	A O Mateescu	IFIN-HH Magurele	The influence of the vacuum plasma treatment on the cotton surface deposited by TiO <sub>2</sub> / TiO <sub>2</sub> +graphene nanopowder water colloidal dispersions
<b><u>T4-28</u></b>	L Mathe	INCDTIM Cluj-Napoca	Quantum transport through a quantum dot coupled to a Majorana ring
<b><u>T4-29</u></b>	S Milin	Babes-Bolyai University Cluj-Napoca	Nanotoxicity of graphene materials on A375 and HaCaT cell lines
<b><u>T4-30</u></b>	V Mirel	INCDTIM Cluj-Napoca	Current progress and perspectives on biomaterials used in surgical applications
<b><u>T4-31</u></b>	I Moigradean	Babes-Bolyai University Cluj-Napoca	Skin Cells Photooxidized with Titanium Systems Excited with VIS Light
<b><u>T4-32</u></b>	D Moldovan	Technical University Cluj-Napoca	Behavior analysis of two-component waterproofing mortars by mechanical and NMR investigations
<b><u>T4-33</u></b>	J A Moussa	University of Naples "Federico II" Italy	Modeling the interaction between bacteria and 2-D nanoflakes
<b><u>T4-34</u></b>	A Nan	INCDTIM Cluj-Napoca	Influence of crosslinking reactions of poly(benzofuran-co-arylacetic acid) with diamines on their thermal conductivity
<b><u>T4-35</u></b>	N Nechita	INCDTIM Cluj-Napoca	Plasmonic properties of metal-coated microsphere monolayers optimized for SERS applications
<b><u>T4-36</u></b>	F Nekvapil	INCDTIM Cluj-Napoca	A comparative Raman spectroscopy and XRD assessment of lattice transitions and impurities in Mn and Zn doped ferrite nanoparticles
<b><u>T4-37</u></b>	V Niculescu	ICSI Rm Valcea	Functionalized SBA-3 silica: investigation of adsorption performance towards glyphosate herbicide
<b><u>T4-38</u></b>	O Pana	INCDTIM Cluj-Napoca	CoFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> :Tb nanoparticles as an emerging magnetic photocatalyst
<b><u>T4-39</u></b>	I Petreanu	ICSI Rm Valcea	Structural assessment of silica and amino-functionalized silica nanoparticles by FTIR and Raman Spectroscopy
<b><u>T4-40</u></b>	F Pogacean	INCDTIM Cluj-Napoca	Electrochemical detection of His-Tagged CA19-9 Antigen with triple-doped graphene modified electrode
<b><u>T4-41</u></b>	A Popa	INCDTIM Cluj-Napoca	Hybrid PVDF-P(L-DOPA)-ZnO membranes for efficient pollutants removal
<b><u>T4-42</u></b>	S Pruneanu	INCDTIM Cluj-Napoca	Charge-Transfer Resistance in Nitrogen-Doped Graphene

<b><u>T4-43</u></b>	R Rada	Technical University Cluj-Napoca	Reducing, recycling and reusing of construction and demolition wastes by the incorporation in the glasses
<b><u>T4-44</u></b>	M C Rosu	INCDTIM Cluj-Napoca	TiO <sub>2</sub> nanotubes/graphene/metal nanoparticles as suitable photocatalyst for degradation of ciprofloxacin as an emerging pollutant
<b><u>T4-45</u></b>	A Simion	Babes-Bolyai University Cluj-Napoca	Structural changes in nanostructured silica core-alumina shell microspheres doped with iron and gadolinium investigated by Solid-State NMR Spectroscopy
<b><u>T4-46</u></b>	M Singh	University of Naples "Federico II" Italy	Surface interaction studies of novel 2D materials with gram-negative and gram-positive pathogens and an enveloped virus
<b><u>T4-47</u></b>	C Socaci	INCDTIM Cluj-Napoca	Evaluation of graphene on the photocatalytic properties of copper oxides/graphene composites compared to copper oxides/graphene/TiO <sub>2</sub> composites
<b><u>T4-48</u></b>	M L Soran	INCDTIM Cluj-Napoca	Application of nanocomposites based on CNT-COOH as adsorbents for the removal of tartrazine from aqueous solutions
<b><u>T4-49</u></b>	G Souca	Babes-Bolyai University Cluj-Napoca	Magnetic Properties of Nd <sub>2</sub> Fe <sub>14</sub> B/Fe Exchange Coupled Nanocomposite Nanoparticles obtained by Matrix Milling and Annealing
<b><u>T4-50</u></b>	M Stan	INCDTIM Cluj-Napoca	Synthesis and characterization of nickel oxide-silver-antibiotic nanocomposites
<b><u>T4-51</u></b>	M Stefan	INCDTIM Cluj-Napoca	Insights into the photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> -TiO <sub>2</sub> :Cu nanocomposites
<b><u>T4-52</u></b>	A Stegarescu	INCDTIM Cluj-Napoca	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> nanocomposite for improving of biodiesel production
<b><u>T4-53</u></b>	V Niculescu	ICSI Rm Valcea	Mesoporous silica materials: investigation of catalytic performance towards chlorinated pesticides
<b><u>T4-54</u></b>	R – C Suci	INCDTIM Cluj-Napoca	Multi-walled carbon nanotubes decorated with Ag / TiO <sub>2</sub> nanoparticles
<b><u>T4-55</u></b>	A Tatar	Babes-Bolyai University Cluj-Napoca	GNP-based sandwich immunosensor for SERS biomarker detection in liquid
<b><u>T4-56</u></b>	D Toloman	INCDTIM Cluj-Napoca	Effect of the Mn amount on the photocatalytic activity of Mn doped TiO <sub>2</sub> -MWCNT nanocomposites
<b><u>T4-57</u></b>	A Urda	INCDTIM Cluj-Napoca	Evaluation of N-doped graphene role in the photodegradation of sulfamethoxazole
<b><u>T4-58</u></b>	C Varodi	INCDTIM Cluj-Napoca	Electrochemical detection of 8-Hydroxy-2'-Deoxyguanosine biomarker with new graphene modified carbon electrode