

June 05, 2024		
09:00 - 12:00	Onsite Participant registration	
09:30 - 10:30	Morning Coffee Break	
Nanotech France / GAMS/ Biotech France 2024 Joint Plenary session		
Amphithéâtre		
Session's Chairs:		
10:30 - 11:00	Materials for Eco-Design Strategies for an Innovative Industry R. Martins , S. Nandy, P. Barquinha, L. Pereira, T. Pinheiro, H. Almeida, R. Igreja, E. Carlos and E. Fortunato,	Prof. Rodrigo Ferrão de Paiva Martins , Nova University of Lisbon, Portugal
11:00 - 11:30	Micro- and Nanorobots: From single agents to microelectronic morphogenesis O. G. Schmidt	Prof. Oliver Schmidt , Chemnitz University of Technology, Germany
11:30- 11:45	Solution Combustion Synthesis of Nanomaterials: Recent Advances A.S. Mukasyan	Prof. Alexander Mukasyan , University of Notre Dame-Indiana, USA
11:45 - 12:00	The sythesis of bio-based nanocomposites by an in-situ processing and consolidation method R. Tannenbaum	Prof. Rina Tannenbaum , Stony Brook University, USA
12:00 - 14:00 Lunch Break		
Nanotech France / GAMS 2024 Joint Session I.A: Nanomaterials Fabrication / Synthesis / properties		
Amphithéâtre		
Session's Chairs:		
14:00 - 14:30	Epitaxial Growth of Silicene : Successes and Challenges L. Masson	Prof. Laurence Masson , Aix-Marseille University, France
14:30 - 15:00	Novel Cyclodextrin-Based Supramolecular Polymers for Nanomedicine and Environmental Sustainability Applications J. Li	Prof. Jun Li , National University of Singapore, Singapore
15:00 - 15:15	Synthesis of Ultra-Small Gold Nanostars for Applications in Catalysis, Sensing and Photothermia E.S. Abu Serea , L.B. Berganza, S. Lanceros-Méndez and J. Reguera	Mrs. Esraa S. Abu Serea Sewlam , Basque Center for Materials, Applications, and Nanostructures, Spain
15:15- 15:30	Preparation and characterization of different type of aligned Cellulose nanofiber F. Mohtaram and P. Fojan	Ms. Fatemeh Mohtaram , Aalborg University, Denmark
15:30 - 15:45	Synthesis and Self-Assembly of Titania Nanoplatelets and Their Encapsulation in a Polystyrene Shell via Photocatalytic Surface-Grafted Radical Polymerization J. Struck , B. Sochor and T. Vossmeier	Ms. Jana Struck , University of Hamburg, Germany
15:45 - 16:00	Automated dry synthesis and deposition of nanomaterials V. Mazzola , T. Pfeiffer and A. van Vugt	Mr. Vincent Mazzola , VS Particle, Delft, The Netherlands
16:00 - 16:30 Afternoon Coffee Break		
Session's Chairs:		
16:30 - 16:45	Control on the formation of colloidal crystals of uniform populations of cubic maghemite nanoparticles with tunable size and surface chemistry A. Shahmanesh , A. Ngo and I. Lisiecki	Dr. Ashkan Shahmanesh , Sorbonne University, France

16:45 - 17:00	Highly Magnified Dimer Sputtering and Nanoparticle Generation via Pulsed Magnetron Discharge P. Curda , R. Hippler, M. Cada, O. Kylián, Z. Hubicka and V. Stranak	Mr. Pavel Curda , University of South Bohemia, Czech Rep.
17:00 - 17:15	Self-Assembly Approach for the Fabrication of Multi-Level Bio-Inspired Magnetic Nanocomposites L. R. Klauke , M. Kampferbeck, F. C. Klein, P. Haida, B. Sochor, A. Meyer, V. Abetz and T. Vossmeier	Ms. Lea Klauke , University of Hamburg, Germany
17:15 - 17:30	Unlocking TiO ₂ 's Nanomagnetism: Oxygen Vacancies Lead the Way V.K. Paidi , B.-H. Lee, A.T. Lee, S. Ismail-Beigi, E. Grishaeva, S. Vasala, P. Glatzel, W. Ko, D. Ahn, T. Hyeon, Y. Kim and K.-S. Lee	Dr. Vinod Paidi , European Synchrotron Radiation Facility- Grenoble, France
17:30 - 17:45	Functionalization of natural zeolite Clinoptilolite with AgNPs via green in situ reduction F. Gattucci , M. Lallukka, N. Grifasi, M. Piumetti and M.Miola	Ms. Francesca Gattucci , Politecnico di Torino, Italy
17:45 - 18:00	The internal photoluminescence quantum yield and radiative lifetimes of silicon quantum dots K. Kusova , T. Popelar, P. Galar, F. Matejka and J. Kopenc	Dr. Katerina Kusova , Czech Academy of Sciences- Prague, Czech Rep.

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**Nanotech France 2024 / GAMS 2024 Joint session I. B:
Nanomaterials Characterization and Properties**

Conference Room Derain 1

Session's Chairs:

14:00 - 14:30	Insights into the degradation mechanisms of nanocatalysts through correlative STEM analysis A. Garzón Manjón	Dr. Alba Garzón Manjón , Catalan Institute of Nanoscience and Nanotechnology, Spain
14:30 - 14:45	A Novel Memristor Design based on Hydrogen Movement on Silicon Surfaces N. N. Nipu and P. Schubert	Prof. Peter Schubert , Indiana University-Purdue University Indianapolis, USA
14:45 - 15:00	Scalar topological photonic meta-crystals B. Yang	Prof. Biao Yang , National University of Defense Technology, China
15:00 - 15:15	Microstructural Effects of Microballistic Impact on Nacre-Like Graphene-Polyethylene Nanocomposites: Exploring the Influence of Hierarch P. Punj Singh and R. Ranganathan	Mr. Param Punj Singh , Indian Institute of Technology Gandhinagar, India
15:15 - 15:30	Antibacterial and Photocatalytic Properties of Hydrothermally Synthesized ZnO Nanowires S. Abou Zeid , A. Perez, S. Rossano and Y. Leprince-Wang	Dr. Souad Abou Zeid , Gustave Eiffel University, France
15:30 - 15:45	Metabolomic Pathways of an Acrylic Resin Enriched with AgNPs as a Proposal for Orthopedic Aparatology C.A. Lopez-Ayuso , H. Sakagami, M. Sugimoto, R. Garcia-Contreras, R. Manisekaran, M. Figueroa, M. Rangel-Grimaldo and L.S. Acosta-Torres	Mr. Christian A. Lopez-Ayuso , National Autonomous University of Mexico, Mexico
15:45 - 16:00	Nonlinear Optical Properties of Two-Dimensional Materials – A Study on their Suitability for Laser Protection Applications S. Dengler and M. Henrichsen	Ms. Stefanie Dengler , Fraunhofer IOSB, Germany

16:00 - 16:30

Afternoon Coffee Break

Session's Chairs:

16:30 - 16:45	Analytical Prediction of Nanoparticle Traffic Jams during Electrokinetic Treatment of Hardened Concrete H. Zhong and H. Cardenas	Dr. Henry Cardenas , Louisiana Tech University, USA
16:45 - 17:00	X-Ray Fluorescence Imaging and Defect Cluster Map Enhancement in Metal Photopolymer Nano-Composite Thin Film M. Arya , A. Yella, G. Kuma, S.R. Kasture, Ch. Vandana, A. Kumari, B R Sanjeeva Reddy, P.V. Kalluru, S. Madugula and S.P Duttagupta	Dr. Meenakshi Arya , Indian Institute of Technology Bombay, India
17:00 - 17:15	Exploring the use of GaAsBi alloys as strain-reducing layers in InAs/GaAs QDs. S. Flores , D. F. Reyes, V. Braza, T. Ben, N.J. Bailey, M.R. Carr, R.D. Richards and D. Gonzalez	Mrs. Sara Flores , The University of Cadiz. Spain .
17:15 - 17:30	Passive silicon optical isolator based on free carrier dispersion effect W. Xu , Q. Hong, G. Xia, P. Xu and Z. Zhu	Dr. Wei Xu , National University of Defense Technology, China .
17:30 - 17:45	Opuntia Ficus-indica extraction based anticounterfeiting tag functioning at Optical and Terahertz band S. K. Sighano , T. Ritacco, M. D. L. Bruno, O. Gennari, W. Fuscaldo, D.C. Zografopoulos, R. Beccherelli, T. Maurer, R. Caputo and A. Ferraro	Ms Sephora Kamwe Sighano , Technology University Troyes, France
17:45 - 18:00	Quantifying Microstructural Evolution in Cyclically Loaded NiTi SMAs: Advancing Fatigue Criterion through Stored Energy Analysis X. Ju , Z. Moumni and A. Borbely	Dr. Xiaofei Ju , Nanyang Technological University, Singapore

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Nanotech France / Biotech France 2024 Joint session I.C

Conference Room Derain 2

Session's Chairs:

14:00 - 14:30	Mechanobiological effects of geometry-mediated wound healing K. Jimmy Hsia and H. Xu	Prof. K Jimmy Hsia , Nanyang Technological University, Singapore
14:15 - 14:30	Development and Characterization of New Chitosan-Based Nano-fibers for Wound Management L. Profire , O.M. Ionescu, A.T. Iacob, F.G. Lupascu, B.S. Profire, S.E. Giusca and I.D. Caruntu	Prof Lenuta Profire , "Grigore T. Popa" University of Medicine and Pharmacy from Iasi, Romania
14:30 - 14:45	Reusable lithium-free multilayer MXene based sorbents for portable dialysis cartridges E. Precetti	Mr. Eliot Precetti , Drexel University, USA
14:45 - 15:00	Synthesis and investigation of properties of conductive nanocomposites for nerve regeneration applications A. Sierakowska-Byczek , J. Radwan-Pragłowska, Ł. Janus and J. Śmietana	Mrs. Aleksandra Sierakowska-Byczek , Cracow University of Technology, Poland
15:00 - 15:15	Magnesium based bulk metallic glasses for biomedical applications R. Kumari rajendran , D. Aggarwal, M. Roland, C. Gruescu, R. Shabadi	Mr. Rajesh Kumari Rajendran , University of Lille, France
15:15 - 15:30	Use of an Innovative Material for Biotech Applications in Agriculture M. Rippa, E. Lahoz, M. Cermola, P. Mormile and V. Battaglia	Dr. Ernesto Lahoz , CREA - Research Centre for Cereal and Industrial Crops, Italy
16:00 - 16:30	Afternoon Coffee Break	
Session's Chairs:		
16:30 - 16:45	Methane conversion into methanol by <i>M. trichosporium</i> OB3b: Investigating the bioprocess limitations and solutions. H. Baldo , A. Ruiz Valencia, L. Cornette de Saint Cyr, E. Petit, J. Sanchez-Marcano, M.P. Belleville, L. Soussan	Ms. H�elo�ise Baldo , Univ. Montpellier, France
16:45 - 17:00	Phenolic content of orange sweet potato flour influenced by ultrasound pretreatment, cold storage, and drying technologies. A. Gomez-Cisneros , M. Calderon-Oliver, L. Santos-Zea and A. Escalante-Alburto	Ms. Analaura G�omez-Cisneros , Tecnologico de Monterrey, Mexico

June 06, 2024		
Nanotech France/ GAMS/ Biotech France 2024 Joint Plenary session II		
Amphithéâtre		
Session's Chairs:		
09:00 - 09:30	Applications of direct-write nanoscale materials in Nanotechnology J.M. De Teresa Nogueras	Prof. José María De Teresa Nogueras , CSIC-University of Zaragoza, Spain
09:30 - 10:00	The Toxicology of Inhaled Particles and Examples of Risk Assessment and Regulation U. B. Vogel	Prof. Ulla Birgitte Vogel , Technical University of Denmark, Denmark
10:00 - 10:30	Lung fate and biotransformation of exfoliated MoS2 A. Bianco	Dr. Alberto Bianco , CNRS/ University of Strasbourg, France
10:30 - 11:00 Morning Coffee Break		
Session's Chairs:		
11:00 - 11:30	Blood-brain barrier-on-a-chip as a suitable platform to evaluate gold nanoparticles against Alzheimer's disease. A. Tapia-Arellano , S. Palma-Florez, P. Cabrera, E. Cortés-Adasme, K. Bolaños, R. Aldunate, N. Hasan, M. J. Kogan, J. Samitier , A. Lagunas and M. Mir	Prof. Josep Samitier Marti , Institute for Bioengineering of Catalonia- Barcelona, Spain
11:30 - 12:00	Exploiting new strategies to deliver an old drug B. Stella	Prof. Barbara Stella , University of Torino, Italy
12:00 - 14:00 Lunch Break		
NanoMatEn / GAMS Joint Session II.B: Materials and Nanomaterials for Energy / Nanoelectronics/ Nanophotonics		
Amphithéâtre		
Session's Chairs:		
14:00 - 14:15	From Lab to Pilot: VTT's Advances in Sustainable Cellulose Film and Coating Technologies V. Kumar, V. Kunnari, H. Ahadian , A. Khakalo, A. Jaiswal, P. Ahokas, A. Sonker, A. Yamamoto	Mr. Hamidreza Ahadian , VTT Technical Research Centre, Finland
14:15 - 14:30	An innovative strategy to fabricate wrinkled silver-based nanoporous material combining plasma-based technique and dealloying process R. Dantinne , A. Chauvin, S. Asaram Raut, P. Leclere, C. Poleunis, A. Delcorte, R. Snyders and D. Thiry	Mr. Robin Dantinne , University of Mons, Belgium
14:30 - 14:45	Development of Fluorine-Free Superhydrophobic Surfaces combining Plasma Polymerization and the wrinkling approach S. Asaram Raut , R. Dantinne, R. Snyders and D. Thiry	Dr. Suyog Asaram Raut , University of Mons, Belgium
14:45 - 15:00	Unraveling the Potential of Non-Thermal Plasma in the Synthesis and Surface Tailoring of Silicon Nanoparticles F. Matejka , J. Kopenec, P. Galar, T. Popelar and K. Kusova	Mr. Filip Matejka , University of Chemistry and Technology- Prague, Czech Rep.
15:00 - 15:15	Sequenced plasma electrolytic oxidation of aluminium alloys: a tool to control the coating porosity L. Magniez , S. Fontana, J. Martin, C. Hérold and G. Henrion	Mr. Lucas Magniez , University of Lorraine - CNRS, France
15:15 - 15:30	Investigation the effect of applied voltage on the modification of surface roughness of materials after plasma electrolytic polishing N. Truong Son , L. Magniez, J. Martin, G. Henrion and F. Girard	Dr. Nguyen Truong Son , University of Lorraine- CNRS, France
15:30 - 15:45	Aerosol Assisted Chemical Vapor Deposition of Copper Sulfide films with sensitivity to NO2 H. Trabelsi, I. Gràcia, K. Alouani and S. Vallejos	Dr. Stella Vallejos Vargas , Institute of Microelectronics of Barcelona (IMB-CNM, CSIC), Spain

15:45 - 16:00	Tailoring Color Appearance with Tunable Disordered Metafilms J. Peng , H. Wu, W. Xu, B. Yang and Z. Zhu	Dr. Jialong Peng , National University of Defense Technology, China
16:00 - 16:30 Coffee Break		
Session's Chairs:		
16:30 - 17:00	1D Nanomaterials – Detailed Nanoscopic Investigations R. Arenal	Dr. Raul Arenal , University of Zaragoza, Spain
17:00 - 17:15	Modulation of Spin and Charge Currents Through Functionalized 2D Diamond and Few-layer Boron Nitride Devices E. E. de Moraes, A. A. Pinto, R. J. C. Batista, A. B. de Oliveira and H. Chacham	Prof. Helio Chacham , Federal University of Bahia, Brazil
17:15 - 17:30	Biopolymeric Nanofibers Functionalized with Quiral Cyclodipeptides for Energy Harvesting D. Santos , R. Baptista, E. de Matos Gomes and B. Almeida	Ms. Daniela Santos , University of Minho, Portugal
17:30 - 17:45	Enhanced performance of Li-ion battery electrodes protected by atomic layer deposited oxide films. K. Frohlich , P. Sahoo, A. Güneren and B. Hudec	Dr. Karol Frohlich , Slovak Academy of Sciences, Slovakia
17:45 - 18:00	Unveiling the Potential of Textile Beeswax Triboelectric Nanogenerators for Sustainable Energy Processing E. Kovalska , H. T. Lam, Z. Saadi, R. Matria, A.I.S. Neves, S. Russo and M.F. Craciun	Dr. Ievgeniia Kovalska , University of Exeter, UK
18:00 - 18:15	Stability of inorganic perovskites nanocrystals: what is at the end of the tunnel? P.K. Mubiayi	Dr. Pierre Kalenga Mubiayi , University of Witwatersrand, South Africa
18:15 - 18:30	Toward Flexible Piezoelectric III-Nitride Nanowire-based Nanogenerators N. Buatip , P. John, T. Auzelle, F. Donatini, S. Le Denmat, B. Fernandez, M. Saluan and R. Songmuang	Dr. Natthawadi Buatip , Grenoble Alpes University-CNRS, France
18:30 - 18:45	Are fractals useful for supercapacitor applications? – A case of Fe ₂ O ₃ negative electrodes R. Jaiswal, G. Chaturvedi, V. Sharma, S. A. Ilangoan, S. Sujatha, K.S. Ajeesh and S. Sarma V. Tatiparti	Prof. Sankara Sarma V. Tatiparti , Indian Institute of Technology Bombay, India

June 06, 2024

**Nanotech France / GAMS / Biotech France 2024 Joint Session II.C:
Nano for life science and Medicine**

Conference Room Derain 1+2

Session's Chairs:

14:00 - 14:30	Plasmonics Nanosensors and Nanoprobes: A New Generation of Nanoplatfoms for Diagnostics and Treatment of Cancer T. Vo-Dinh	Prof. Tuan Vo-Dinh , Duke University, USA
14:30 - 15:00	Nanovesicles as Tools to Protect the Skin against Environmental Stressors E. Esposito , M. Sguizzato, F. Ferrara, A. Bondi, W. Pula, M. Benedusi, L. Calderan, M.G. Ortore, M. Malatesta and G. Valacchi	Prof. Elisabetta Esposito , University of Ferrara, Italy
15:00 - 15:30	Nanoencapsulation: From 1D van der Waals Heterostructures to Cancer Therapy G. Tobias-Rossell	Dr. Gerard Tobias-Rossell , Institut de Ciència de Materials de Barcelona (ICMAB-CSIC), Spain
15:30 - 15:45	Graphene functionalization towards biodegradability S. Rahimi , M. Bahmani and I. Mijakovic	Dr. Shadi Rahimi , Chalmers University of Technology, Sweden
15:45 - 16:00	Quantification and characterization of manufactured nanomaterials shed from non-medical face mask R. Mehri, Z. Gajdosechova, T.A. Sipkens, J.C. Corbin, A. Belknap , D. Vladisavljevic and G.J. Smallwood	Mr. Andrew Belknap , Health Canada- Ottawa, Canada

16:00 - 16:30

Afternoon Coffee Break

Session's Chairs:

16:30 - 17:00	Is the future of antioxidants mineral? Nanozymes and other nanotechnology solutions V. Puentes	Prof. Victor Puentes , Catalan Institute of Nanoscience and Nanotechnology, Spain
17:00 - 17:15	Investigating hybrid lipid-PLGA nanoparticles loaded with an endogenous endocannabinoid-like molecule for targeting inflamed muscle E. Leo , S. Molinari, E. Maretti and C. Rustichelli	Prof. Eliana Leo , University of Modena and Reggio Emilia, Italy
17:15 - 17:30	Pathogen-associated molecular pattern-coated inorganic nanocarriers: a biomimetic approach for subunit vaccines L. M. López-Marín , C. Valdemar, A. Cuán, R. Nava and R. Avila	Dr. Luz M. Lopez-Marin , National Autonomous University of Mexico, Mexico
17:30 - 17:45	Reprogramming Tumor-Associated Macrophages: Utilizing mU-NO-Conjugated Gold Nanoparticles in Combination with X-ray Irradiation Z. Kayani , S; Iyer and A-C. Heuskin	Dr. Zahra Kayani , University of Namur, Belgium
17:45 - 18:00	Development of hybrid nanomaterials based on AuNR@MOF/CCMoid to improve the detection of metal ions by fluorescence emission C. Araneda , N. Parra, P. Cabrera, M. J. Kogan and M. Soler	Mrs. Catherine Araneda , University of Chile, Chile .
18:00 - 18:15	Development of zeolite-based voltammetric sensor for determination of antipsychotic drug quetiapine M. Madej , A. Cader, P. Bandyk, M. Tomaszewska, K. Fendrych, J. Kochana and B. Baś	Dr. Maria Madej , Jagiellonian University, Poland

June 07, 2024

NanoMatEn - Session III. A
Nanotechnology for Environmental Application / Water treatment

Session's Chairs:

Conference Room Derain 1+2

08:30 - 09:00	Sustainable Technologies for Environment M. Piumetti	Prof. Marco Piumetti , Politecnico di Torino, Italy
09:00 - 09:30	Graphene oxide and noble metal loaded Ca/Ba/SrTiO ₃ hybrid photocatalysts for environmental remediation B. Pal and M. Passi	Prof. Bonamali Pal , Thapar Institute of Engineering and Technology, India
09:30 - 10:00	Functional Materials for Emerging Energy Solutions M. Gimenez Lopez	Dr. Maria Gimenez Lopez , Santiago de Compostela University, Spain
10:00 - 10:30	Morning Coffee Break	
10:30 - 11:00	Low-Temperature Recovery of Deteriorated Ni-Rich Cathode Material Surfaces: LiNiO ₂ and LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ Examples F-M. Wang	Prof. Fu-Ming Wang , National Taiwan University of Science and Technology, Taiwan
11:00 - 11:15	Nature of Al-Mg electrodeposition using chloride-based molten salt electrolyte system S. Bhaskaramohan , M. J. N. V. Prasad, G. V. D. Jonnalagadda, K. Gourishankar, S. Swaminathan, F. Ebrahimi and S. S. V. Tatiparti	Ms. Sreesvarna Bhaskaramohan , Indian Institute of Technology Bombay, India
11:15 - 11:30	Bio-nanomaterials of polymers and fibrillated nanocellulose: preparation, characterization and removal of emerging pollutants from water J. Sanchez , E. Oyarce, K. Roa, A. Boulett and G. Pizarro	Prof. Julio Sanchez , University of Santiago, Chile
11:30 - 11:45	Investigation of PANI-NSA/NiFe ₂ O ₄ Nanocomposite for Efficient Removal of Metal Pollutants from An Aqueous Solution RN. Kasavo and HG. Brink	Ms. Ruth Kasavo , University of Pretoria, South Africa
11:45 - 12:00	Immobilization of laccase on metal-chitosan nanocomposite and its application in pollutant remediation H.D. Kyomuhimbo , E. M. N. Chirwa, U. Feleni and H. G. Brink	Ms. Hilda Dinah Kyomuhimbo , University of Pretoria, South Africa
12:00 - 12:15	Highly Sustainable Polyethylene oxide/sodium alginate-based Electrospun Nanofibrous Superabsorbent Mats as Controlled-release Fertilizer Systems P. Chauhan and B. Kumar Satapathy	Dr. Pooja Chauhan , Indian Institute of Technology-Delhi, India
12:15 - 12:30	Plant Nanofactory: Toward green synthesis of inorganic nanoparticles Y. Aman	Dr. Yann Aman , University Félix Houphouet Boigny, Ivory Coast

Posters Sessions

June 05 and 06, 2024 (no posters session on June 07, 2024)

N.	Title	Author / Affiliation / Country
1.	Low temperature synthesis of crystalline GaN from a mixture of Li and Ga under N ₂ atmosphere Y. Song	Prof. Youting Song , Institute of Physics, Chinese Academy of Sciences, China
2.	Green Route to Copper Nanoparticles on Natural Zeolite Clinoptilolite: Synthesis and Characterization M. Lallukka , F. Gattucci, M. Piumetti and M. Miola	Ms. Mari Lallukka , Politecnico di Torino,, Italy
3.	Production of biopolymers from pumpkin shell waste and its effect on filtration and rheological properties of water-based drilling mud- toward sustainable drilling F. Faraji , S. Baloochzadeh and M. Abdulqadir	Dr. Foad Faraji , Teesside University, UK
4.	Preparation of high-porosity thin metal films using high-angle ion sputtering and high-fluence high-energy ion bombardment G. Ceccio , J. Vacik, V. Lavrentiev, R. Miksova and P. Pleskunov	Dr. Giovanni Ceccio , Nuclear Physics Institute of Czech Academy of Science, Czech Rep.
5.	Reversible thermal conductivity switching of Mg-based thin films controlled by hydro-/dehydrogenation reactions T. Yagi , H. Yagi, K. Sugimoto, K. Nakano, Y. Yamashita, T. Shiga, M. Kashiwagi, S. Takeya, Y. Oguchi, F. Iesari, T. Okajima, N. Taketoshi and Y. Shigesato	Dr. Takashi Yagi , National Institute of Advanced Industrial Science and Technology, Japan
6.	Improvement of Photosensor Properties of ZnO Films by Using the Features of Nanostructured State S. Dukarov, S. Petrushenko, K. Adach, M. Fijalkowski , A Fedonenko and V. Sukhov	Dr. Mateusz Fijalkowski , Technical University of Liberec, Czech Rep.
7.	Radial lower chuck design using metamaterials and prediction of surface roughness in PBF K. W. Kim , J. W. Lee, S. H. Park, S. Y. Lee, S. Y. Gu, D. H. Kim and J. H. Sung	Dr. Kunwoo Kim , Korea Institute of Industrial Technology- Daegu, Rep. of Korea
8.	New route to synthesis nanomaterial of lead sulfide (galena) films from bis(alkylxanthato) lead(II) precursors Y.T Alharbi and D. Lewis	Dr. Yasser Alharbi , Yanbu Industrial College, Saudi Arabia
9.	Electrospun Polycaprolactone Nanofibers: Influence of Fiber Diameter on Bacterial Biofilm Formation and Bacterial Cell Retention S. Lencova , M. Stindlova, V. Peroutka, V. Jencova, K. Havlickova, D. Lukas and K. Demnerova	Dr. Simona Lencova , University of Chemistry and Technology-Prague, Czech Rep.
10.	Antibacterial Activity of Electrospun Fibers with Graphene V. Peroutka , S. Lencova, C. G. Aneziris, E. Storti, K. Demnerova and O. Jankovsky	Mr. Václav Peroutka , University of Chemistry and Technology-Prague, Czech Rep.
11.	Effect of nanofibrous materials with different morphology on bacterial and yeast biofilm formation M. Stindlova , S. Lencova, K. Zdenkova, V. Jencova, E. Kuzelova Kostakova, S. Hauzerova, D. Lukas and K. Demnerova	Mrs. Marta Stindlova , University of Chemistry and Technology-Prague, Czech Rep.
12.	Bacterial biofilm degradation measurement using biophysical parameters K. Gałczyńska , A. Węgierek-Ciuk, Maria Baczewska, A. Kuś, M. Kujawińska and M. Arabski	Dr. Katarzyna Gałczyńska , Jan Kochanowski University, Poland
13.	The cytotoxic effect of ruthenium and copper dendrimers on eukaryotic cells measured by holographic method A. Węgierek-Ciuk , K. Gałczyńska, M. Baczewska, A. Kuś, P. Ortega, F.J. de La Mata, M. Kujawińska and M. Arabski	Dr. Aneta Węgierek-Ciuk , Jan Kochanowski University, Poland
14.	Novel materials containing Lipoic acid and metal oxide nano particles for Hydrogel Contact Lens C-Y. Kim, S-Y. Park and A-Young Sung	Prof. A-Young Sung , Daegu Catholic University, Rep. of Korea
15.	Preparation, chemical – physical characterization of composite hydrogels – nanoparticles of Ag and Ag ₂ MoO ₄ . Stability analysis and biomedical applications S. Calistri , A. Ubaldini, A. Rizzo and C. M. Cellamare	Ms. Sara Calistri , University of Bologna, Italy
16.	pH-sensitive polymer nanoparticles preparation - a nanoplatform for 5-fluorouracil delivery I. Ivanova, T. Popova, M. Slavkova, B. Tzankov and C. Voycheva	Dr. Christina Voycheva , Medical University of Sofia, Bulgaria

17.	Investigation of the effects of the preparation method on the properties of nanostructured lipid carriers M. Slavkova, C. Voycheva, T. Popova and B. Tzankov	Dr. Marta Slavkova , Medical University of Sofia, Bulgaria
18.	Non-carboxylated and Carboxylated Mesoporous Carbon Nanoparticles Loaded with Bicalutamide – an Advanced Nanosystem for Combined Chemo-photothermal Therapy T. Popova , B. Tzankov, M. Slavkova, Y. Yordanov, V. Georgieva, D. Stefavova, V. Tzankova, D. Tzankova, Iv. Spasova, D. Kovacheva and Ch. Voycheva	Dr. Teodora Popova , Medical University of Sofia, Bulgaria
19.	Development of Innovative Drug Delivery System for Optimized Therapy of Traumatic Skin Conditions B. Tzankov , T. Popova, Iv. Spasova, D. Kovacheva, Ch. Voycheva and M. Slavkova	Dr. Borislav Tzankov , Medical University of Sofia, Bulgaria
20.	Design of new nano-tools to target mitochondria and study the metabolic plasticity of cancer cells D. Akbarzadeh, J.C. Calderón de la Rosa, J. Spadavecchia, M-O. David, F. Treussart, N. Modjtahedi and G. Urbinati	Dr. Giorgia Urbinati , CNRS/ Gustave Roussy Cancer Campus, France
21.	Role of Nanoparticle-Based Drug Delivery Systems Pharmaceutical Properties into Shaping the Risk-Benefit Ratio of Investigational Medicinal Products in Clinical Studies for Cancer Treatment H. Abdel-Haq	Dr Hanin Abdel-Haq , Istituto Superiore di Sanità- Rome, Italy
22.	DNA nanotechnology to fight infectious diseases M. Cambra-Pellejà , Q. Yang, L. Baptista-Pires, M. Vilaplana, J. Muñoz, J. Gandasegui and C. Parolo	Ms. Maria Cambra , Barcelona Institute for Global Health- Barcelona, Spain .
23.	Microfluidics based homogenous size chlamydial nanovaccine potentiates immune responses V.A. Dennis , R. Sahu and L. Gildea	Dr. Vida A. Dennis , Alabama State University, USA
24.	Risk Assessment of Nanomaterials and Development of GIS-Based Decision Support System for Environmental and Human Health Protection S. J. Son, J. H. Kim, J. W. Kim , S. H. Yoo and Y. H. Cho	Ms. Jinwon Kim , Sundosoft Co., Ltd.- Seoul, Rep. of Korea
25.	Enhanced Stability and Reusability for Purifying Therapeutic Antibodies a Ca ²⁺ -responsive Fusion Protein Development H. Park and S. Kim	Ms. Heesun Park , Korea Institute of Ceramic Engineering and Technology- Cheongju, Rep. of Korea
26.	Valorization of grape pomace by obtaining some functional ingredients with antioxidant and antimicrobial activities E.I. Geană , C.T. Ciucure, R. Tamaian, I.C. Marinaș, M.S. Stan and R.E. Ionete	Dr. Elisabeta-Irina Geana , National Research and Development Institute for Cryogenics and Isotopic Technologies, Romania
27.	Use of alumina nanoparticles to mitigate solid particle impact erosion in polymeric composite material for leading edge of wind turbines. L E Ramirez Peña , C Mejía-García, A M Paniagua-Mercado, M Tufiño Velazquez, A S De Ita-De la Torre.	Mr. Luis Esteban Ramirez Peña , Instituto Politécnico Nacional, Mexico
28.	Willis coupling in elastic torsional waves Y. Hao	Dr. Yiran Hao , National University of Defense Technology, China
29.	Electrosynthesis of nanostructured Bio-based thin films for improved photoactivation of peroxymonosulfate for water decontamination A. Serrà , L. Huidobro, Q. Bautista and E. Gómez	Dr. Albert Serrà , University of Barcelona, Spain
30.	Air humidity as a new source of green energy L. Fernandez Velasco, A. Bessegmar Carrera, P. Melo Bravo , S. Lyubchik, A. Lyubchik and S. Lyubchik	Mrs. Paulina Melo Bravo , Royal Military Academy- Brussels, Belgium