

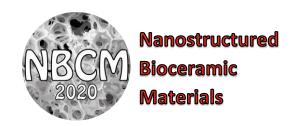


Conference Program

1st December

Online Conference in MS "Teams"

Time	Presenter	Institution	Title of the Lecture
9:00 – 9:05	Welcome from the Dean of the Faculty of Chemistry and Geosciences Prof. Dr. Aldona Beganskienė		
9:05 – 9:15	Welcome from the President of Lithuanian Science Academy Prof. Dr. Jūras Banys		
9:15 – 9:30	Welcome from Research Pro-Rector of Vilnius University Prof. Dr. Edita Sužiedėlienė		
9:30 – 9:40	Welcome from Vice Dean of the Faculty of Medicine Prof. Dr. Vytautas Kasiulevičius		
9:40 – 10:00	Information from the Head of the Conference Organizational Committee Prof. Dr. Aivaras Kareiva		
10:00 – 11:00	Invited Speaker prof. dr. Pierre Rabu	University of Strasbourg, France	Strategy of Synthesis and Application of Nanostructured Materials
11:00 – 11:30	Coffee break	l	
Oral session I (Chairman Assoc. Prof. Dr. Ramūnas Skaudžius)			
11:30 – 12:30	Invited Speaker prof. dr. Vygandas Rutkūnas, Egidijus Šimoliūnas	Vilnius University, Lithuania	Dental Implantology and 3D Bioprinting. Clinical and Research Perspectives
12:30 - 14:00	Lunch break		
14:00 – 15:00	Invited Speaker prof. dr. Janis Locs	Riga Technical University, Latvia	Nanostructured Calcium Phosphate Biomaterials
15:00 – 16:00	Invited Speaker dr. Aleksej Žarkov	Vilnius University, Lithuania	Synthesis and Investigation of Tricalcium Phosphate Polymorphs
16:00 - 17:30	Poster presentation session I (Chairman Greta Inkrataitė)		





2nd December

Online Conference in MS "Teams"

Time	Presenter	Institution	Title of the Lecture
	Oral session II (Chairman Assist. Prof. Dr. Aleksej Žarkov)		
9:00 – 10:00	Invited Speaker	Riga Technical	Design and Nanostructuring of
	prof. dr. Karlis	University, Latvia	Calcium Phosphates for Bone
	Gross		Regeneration
10:00 - 11:00	Invited Speaker dr.	Vilnius University,	Bioceramic Materials and its
	Ramūnas	Lithuania	Application in Medicine
	Skaudžius		
11:00 - 11:30	Coffee break		
11:30 - 12:30	Invited Speaker	Leibniz Institute	Novel Application Perspectives
	Prof. Dr. Vladimir	of Photonic	of Nanostructured Silicon:
	Sivakov	Technology,	Green Hydrogen and
		Germany	Biotechnology
12:30 - 14:00	Lunch break		
0	Oral session III (Chairn	nan Assist. Prof. Dr. 1	Živilė Stankevičiūtė)
14:00 - 15:00	Invited Speaker	Vilnius University,	Optical Mesoscale 3D Printing:
	prof. dr. Mangirdas	Lithuania	from Renewable Organics to
	Malinauskas		Crystalline Inorganics
15:00 – 16:00	Invited Speaker dr.	Lulea University	Synthesis of Nanocrystalline
	Edita Garškaitė	of Technology,	Apatitic Bioceramics for Bone
		Sweden	Tissue Engineering and
			Computed Tomography Studies
			of Hybrid Organic-Inorganic
			Biocomposites
16:00 – 17:30	Poster presentation	session II (Chairman	n Dovydas Karoblis)

3rd December

Online Conference in MS "Teams"

Time	Presenter	Institution	Title of the Lecture
Oral session IV (Chairman Prof. Dr. Aivaras Kareiva)			
9:00 - 10:00	Invited Speaker	Vilnius University,	3D Printed Bone: an Innovative
	Ieva Gendvilienė	Lithuania	Solution for Bone Regeneration
	and dr. Milda		
	Alksnė		
10:00 - 12:00	Poster presentation session III (Chairman Justinas Januškevičius)		
12:00 - 13:00	Lunch break. Review of the results of the conference. Scientific		
	discussions.		





POSTER SESSION I			
	1 st December 16:00 – 17:30		
P01	Afonina Anastasija	Low-Temperature Synthesis of Iron Doped Whitlockite Powders	
P02	Aukštakojytė Rūta	Synthesis and Structural Characterization of Graphene Oxide and Thermally Reduced Graphene Oxide	
P03	Bastakys Lukas	Structural and Tribological Properties of Ceramic Coatings Deposited by Plasma Spraying	
P04	Beklešovas Benas	Chromium Oxide Synthesis by Reactive Magnetron Sputtering and Investigation	
P05	Bilvinaitė Goda	A Micro-Computed Tomographic Evaluation of Single Cone Root Canal Fillings Performed by Undergraduate Student, Postgraduate Student, General Practitioner and Endodontist	
P06	Bodylska Weronika	Bioactive Glass: Comparative Study on Particles with Different Sizes	
P07	Budrevičius Darius	The Dependence of the Morphology Of GdPO4 on Ph	
P08	Buzaitytė Eglė	Synthesis of LaPO4:1%Eu Nanorods by Hidrothermal Method	
P09	Diliautas Ramūnas	Preparation and Characterization of Bi1- XGdxFe0.85Mn0.15O3 Solid Solutions	
P10	Dolmantas Paulius	Modified Maxwell-Garnett Mie Effective Medium Formulation for Investigation of LSPR in DLC:Ag Nanocomposite Thin Films	
P11	Drobysh Maryia	The Development of Electrochemical-Based Immunosensor for SARS-Cov-2 Detection	
P12	Dukstiene Nijole	Sem/Eds and Xrd Studies of Ag-Cd-Se Thin Films Deposited on Polyamide 6	
P13	Gabriūnaitė Inga	Phospholipid Membrane Formation on Fluorine Doped Tin Oxide for Biosensing of Toxins	
P14	Gaidamavičienė Giedrė	Various Aqueous Synthesis Methods and Characterization Techniques for Nanocrystalline Calcium Molybdate as a Antimicrobial Component	
P15	Griesiute Diana	Hydrothermal Synthesis of Copper-Containing Calcium Phosphate with Whitlockite Structure	
P16	Griniuk Evelina	Influence of Synthesis Conditions on Formation Tungsten Oxide Thin Films	
P17	Halubek-Gluchowska Katarzyna	Bioactivity and Optical Properties of SiO2–CaO Glass Doped with Tm3+/Yb3+ Ions	
P18	Yang Chang Jen	Effect of Gamma-Polyglutatamic Acid/Nano- Hydroxyapatite (G-Pga/Nano-Hap) Paste on Rehardening and Prevention of Surface Etched Enamel	





POSTER SESSION II		
2 nd December 16:00 – 17:30		
P19	Inkrataitė Greta	Determination of Different Garnet Films Characteristics Prepared Using Sol-Gel and Spin or Dip-Coatings Techniques
P20	Ivanets Andrei	Synthesis and Crystal Structure of Magnesium Ferrites Doped by Lanthanids
P21	Jonaitytė Eglė Marija	Evaluation of Microarchitecture and Collagen Coating of Regular and Irregular Structure 3D Polycaprolactone Scaffolds for Dental Pulp Tissue Regeneration
P22	Jreije Antonio	Development of Bone Equivalent 3D Printing Composites for Patient Specific Quality Assurance in Radiotherapy
P23	Jurgilevičius Jurgis	Comparison of 8 Different Impression Copings Splinting Methods
P24	Kalyk Fariza	Synthesis and Evaporation of Gadolinium-Doped Ceria Electrolyte for It-SOFC Applications
P25	Kaminskas Algimantas	A Poly(1,10-Phenanthroline-5,6-Dione), Poly(Pyrrole-2-Carboxylic Acid), Gold Nanoparticles And Glucose Oxidase Nanobiocomposite Based Graphite Electrode as a Potential Anode for Biofuel Cell Powered by Glucose
P26	Kantminienė Kristina	Derivatives of 3-[(4- Methoxyphenyl)Amino]Propanehydrazide: Towards Anticancer and Antioxidant Agents
P27	Kavaliauskaitė Gabija	Ferric Hexacyanoferrate Modified Electrode for Impedimetric Urea Sensing
P28	Kyshkarova Viktoriia	Synthesis of Silica/Plga Composites by Solution Mixing Method
P29	Kizalaitė Agnė	Synthesis of Zinc Whitlockite by Dissolution- Precipitation Process
P30	Knabikaitė Inga	Al3+ Influence on the Formation of Calcium Silicates by Using Two Step Synthesis
P31	Kusyak Andrii	Features of Biodegradation of Sol-Gel Bioactive Glass 60s Doped with Ge
P32	Latushka Siarhei	Crystal Structure and Magnetic Properties of Bi1- xSmxFeO3 Compounds Across the Phase Boundary: Effect of External Pressure
P33	Liustrovaitė Viktorija	Phospholipid Bilayer Formation and Characterization Immobilizing Chlorophyll A
P34	Lubinaitė Ernesta	Spectrophotometric Determination of Heparin Based on Aggregation of Gold Nanoparticles
P35	Markevičiūtė Henrieta	Morphological Study of Bio-Nanocomposites Based on Pa6/Selenium Compounds
P36	Matijošius Tadas	Adhesion of Fibroblast Cells to Bioceramic Coatings on Aluminum





POSTER SESSION III			
3 rd December 10:00 – 12:00			
P37	Karoblis Dovydas	Sol-Gel Synthesis and Characterization of SrTiO3-BiMnO3 Solid Solutions	
P38	Melnyk Inna	Perspectives of Sol-Gel Silica Particles Loaded with Cu, Eu for Biomedical Applications	
P39	Merkininkaitė Greta	Application of Metalorganic Precursors for Laser Fabrication	
P40	Michailova Laura	Role of Capping Agent in Formation of Photoelectrochemically Active Tungsten Oxide	
P41	Navaruckiene Aukse	Vanillin Derivatives as Resins for Optical 3D Printing	
P42	Norkus Mantas	Europium Doped Luminescent Glass Synthesis and Characterization	
P43	Pakalniskis Andrius	Characterization of Sm-Doped BiFeO3 Ceramics Crystal Structure and Magnetization Across the Phase Boundary Region	
P44	Parvin Maliha	Bacterial Inactivation Using WO3 Photoanode for Production of Reactive Chlorine Species in Situ	
P45	Poderytė Margarita	Scanning Electrochemical Microscopy as a Tool for Targeted Electroporation Modeling	
P46	Povilavičius Ignas	In Vitro Comparison of Different Cement Remnant Removal Efficiancy on Dental Implant-Supported Restorations	
P47	Prozorovich Vladimir	Design of Manganese Oxide Sorbents for Selective Strontium Radionuclide Removal	
P48	Pudule Anna	Carbonate in Amorphous Calcium Phosphate: Influence on Nanolevel Structuring	
P49	Ramanavičius Simonas	Formation of Various TiO2-X Nanostructures for Application in Biomedicine	
P50	Rimkutė Gintarė	Investigation of Thermally Reduced Graphene Oxide and its Application in Amperometric Third Generation Biosensors	
P51	Ruginytė Kristina	The Formation and Thermal Stability of Mayenite	
P52	Sakalauskienė Laura	Electrochemical Synthesis of Dendritic Gold Nanostructures and Application for the Development of Glucose Biosensor	
P53	Sinušaitė Lauryna	Effect of Mn Doping on Hydrolysis of Low Temperature Synthesized Metastable Alpha-Tricalcium Phosphate	
P54	Skruodienė Monika	Sol-Gel and Molten Salt Synthesis of Novel Y3-2xCa2xTaxAl5-xO12 Garnet Structure Phosphors	
P55	Svazas Ernestas	Comparison of Two Different Healing Abutment Cleaning Protocols	
P56	Šerpytis Lukas	Synthesis of NaYF4 Nano/Micro Particles by Microwave-Assisted Solvothermal Method	
P57	Šuopys Airingas	Microstructure and Corrosion Properties of Plasma Sprayed Al2O3 and Al2O3-TiO2 Coatings	





P58	Valeikienė Ligita	Sol-Gel Synthesis of Mg2-XMx/Al1 (M = Ca, Sr, Ba) Layered Double Hydroxides
P59	Virbickas Povilas	Application of Transition Metals Hexacyanoferrates in Optical Sensing of Hydrogen Peroxide
P60	Zolubas Eimantas	Vesicle Immobilisation on Titanium Foil Nanopores
P61	Žalga Artūras	Aqueous Sol-Gel Synthesis and Characterization of Apatite-Type Materials
P62	Topa Monika	Nanosilica as the Inorganic Filler for Dental Composites Obtained by Photopolymerization