

### Ranking list of proposals recommended for funding

**Programme/call: Programme "Applied research" under the Norwegian Financial Mechanisms 2014 – 2021 / Small Grant Scheme Call**

**Thematic areas: proposals in which Principal Investigator is a “young researcher”**

**Submission dates: 28.09-11.12.2021**

No.	Acronym	Applicant / Project Promoter	Project title	Total points	Status of the proposal
1	IL-HYDROGEN	Nicolaus Copernicus University in Toruń	Pt-free graphene-based catalysts for water splitting technology as green method for hydrogen production	25	recommended for funding
1	TEX-WATER-REC	Lodz University of Technology Faculty of Process and Environmental Engineering	Modern wastewater treatment with plasma-prepared catalyst for textile wastewater recycling	25	recommended for funding
1	INPORR	Gdańsk University of Technology	Integrated technology for nitrogen and phosphorus removal and recovery in municipal wastewater treatment plants.	25	recommended for funding
1	BANANO	Institute of High Pressure Physics Polish Academy of Sciences	Buried periodic Arrays of NANOchannels for single-frequency nitride lasers	25	recommended for funding
5	CompoChar	Wrocław University of Environmental and Life Sciences	The Synergy of Biological and Thermochemical Treatment of Biowaste to Reduce the Environmental Impact and Increase Process Efficiency	24,5	recommended for funding
5	FlowChar	Silesian University of Technology	Flow electrodes from biomass-derived char	24,5	recommended for funding
7	DMOPV	Polish Academy of Sciences Institute of Metallurgy and Materials Science	Doping of metal oxides with particular emphasis on copper oxide, by spray coating method to reduce its resistivity for use in a thin-film heterojunction and perovskite solar cells	24	recommended for funding
7	GalvaNiB	Łukasiewicz Research Network - Institute of Precision Mechanics	New electroless Ni-B/B and Ni-B/MoS <sub>2</sub> composite coatings with improved mechanical properties	24	recommended for funding
9	3DforCOMP	TECHNOLOGY PARTNERS Foundation	3D printing and nanotechnology for electromagnetic shielding of CFRP structures	23,5	recommended for funding

10	engiSCAF	Lodz University of Technology	Novel composite biopolymer scaffolds of customizable porous structure and preset biological activity	23	recommended for funding
11	Intelligent_XRay_Det	AGH University of Science and Technology	Pixel readout integrated circuit with intelligent X-ray detection	23	recommended for funding
12	VariaT	Institute of Geophysics Polish Academy of Sciences	Variability of arctic river thermal regimes in a changing climate	23	recommended for funding
12	ACIPHAGE	Ludwik Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Science	Study of the composition of a bacteriophage preparation specific to multi-drug resistant <i>Acinetobacter baumannii</i> clinical strains	23	recommended for funding
12	BIPOLAR	The Systems Research Institute of the Polish Academy of Sciences	Bipolar disorder prediction with sensor-based semi-supervised learning	23	recommended for funding
12	INNOQPTECHNOL	Silesian University of Technology	Innovative quenching and partitioning medium-manganese steels - novel technological concepts for ultra-high strength and ductile automotive sheets and plates	23	recommended for funding
16	NITROsens	Gdańsk University of Technology	Voltammetric detection of nitro-explosive compounds using hybrid diamond-graphene sensors: field monitoring of emerging contaminants in the Baltic Sea region	22,5	recommended for funding
17	MECHEX	Cracow University of Technology	New method of calculation and experimental studies of cross-flow heat exchangers made from tubes with individual or continuous fins	22,5	recommended for funding
17	ForMag	Lublin University of Technology	New technology of forming magnesium alloy wheels for light vehicles	22,5	recommended for funding
17	DesignHyCap	Wroclaw University of Science and Technology	Design and optimization of hybrid capacitors based on transition metal compounds/carbon nanostructures composites	22,5	recommended for funding
17	GrooveNeuroTube	Adam Mickiewicz University, Poznan	Multifunctional groove-patterned tubes for increased regeneration of peripheral nervous system after injuries	22,5	recommended for funding