

**THE LIST OF APPLICATIONS DECLARED AS ELIGIBLE FOR FUNDING IN THE COMPETITION Technologie-Materiałowe-2: Advanced**

No.	Applicant (title/degree name and surname)	Faculty	Project title	Project grant
1.	<a href="#">Piotr Bujak, Prof. Ph.D., D.Sc.</a>	Faculty of Chemistry	Luminescent colloidal nanocrystals of inorganic semiconductors as components of functional nanomaterials for biological applications	PLN 211 795
2.	<a href="#">Maciej Dębowski, Ph.D.</a>	Faculty of Chemistry	Polymeric materials with various mechanical and functional characteristics, intended for the production of limb prostheses by means of additive techniques	PLN 249 780
3.	<a href="#">Jakub Gac, Prof. Ph.D., D.Sc.</a>	Faculty of Chemical and Process Engineering	Formulation of highly elastic aerogels based on organoalkoxysilanes	PLN 224 750
4.	<a href="#">Halina Garbacz, Prof. Ph.D., D.Sc.</a>	Faculty of Materials Science and Engineering	Designing the morphology and properties of bioactive coatings by modifying the surface of a biomedical titanium alloy substrate with reduced stiffness	PLN 249 550
5.	<a href="#">Katarzyna Konopka, Prof. Ph.D., D.Sc.</a>	Faculty of Materials Science and Engineering	Innovative ceramic matrix composites with intermetallic phase fabricated by consolidation of ceramic and pre-composite powders mixture	PLN 239 775

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6.	<a href="#">Krzysztof Krawczyk, Prof. Ph.D., D.Sc.</a>	Faculty of Chemistry	Sonochemical production of tin sulphides with controlled properties	PLN 243 917
7.	<a href="#">Andrzej Mazurak, Ph.D.</a>	Faculty of Electronics and Information Technology	Study on the charge transport mechanisms and filament formation in Metal-Insulator-Metal (MIM) structures	PLN 248 450
8.	<a href="#">Andrzej Olszyna, Prof. Ph.D., D.Sc.</a>	Faculty of Materials Science and Engineering	Bioactive, photocatalytic MXene phases for application in technology of self-sterilizing nanocomposite lacquer coatings (BioFotMXene)	PLN 249 650
9.	<a href="#">Wojciech Orciuch, Ph.D.</a>	Faculty of Chemical and Process Engineering	Application of computational fluid mechanics and population balance in TiO <sub>2</sub> particle deagglomeration modelling in dispersing devices	PLN 250 000
10.	<a href="#">Wioletta Raróg-Pilecka, Prof. Ph.D., D.Sc.</a>	Faculty of Chemistry	Alkaline earth metal-promoted Co/Mg-La catalytic materials for low-pressure ammonia synthesis process	PLN 250 000
11.	<a href="#">Paweł Ruśkowski, Ph.D.</a>	Faculty of Chemistry	Synthesis and application of multifunctional reactive modifiers used for chemical-material recycling of (biodegradable) polyesters and polyamides	PLN 247 035
12.	<a href="#">Ryszard Sitek, Ph.D.</a>	Faculty of Materials Science and Engineering	Shaping the properties of HAYNES 282 nickel alloy by the DMLS and post-process thermo-chemical treatments	PLN 248 860
13.	<a href="#">Mariusz Tryznowski, Ph.D.</a>	Faculty of Production Engineering	Analyses of the shear thickening effect in smart materials	249 050 PLN

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14.	<a href="#">Tomasz Wejrzanowski, Prof. Ph.D., D.Sc.</a>	Faculty of Materials Science and Engineering	Cathode for hybrid fuel cell with dual ionic conductivity	PLN 249 300
15.	<a href="#">Zuzanna Żółek-Tryznowska, Prof. Ph.D., D.Sc.</a>	Faculty of Production Engineering	Development of environmentally friendly starch based films reinforced cellulose nanocrystals and nanofibers: functional properties and application	PLN 250 000