

## Annex II

### The Project List for the 37th Session of Poland-China Scientific & Technological Cooperation Committee

No.	Title	Polish Organization	Polish Applicant	Chinese Organization	Chinese Applicant
37-1	The Joint Study of High Resolution, Real-time Temperature Imaging Utilizing Magnetic Nanoparticles	Warsaw University of Technology	Roman Szewczyk	Huazhong University of Science and Technology	LIU Wenzhong
37-2	Fractional derivative model for solute transport in heterogeneous media: numerical methods and applications	Czestochowa University of Technology	Tomasz Błaszczak	Hohai University	HongGuang Sun
37-3	Effect of high pressure homogenization (HPH) on the quality and stability of NFC apple juice	Prof. Waław Dabrowski Institute of Agricultural and Food Biotechnology	Krystian Marszałek	Institute of Food Science and Technology, Chinese Academy of Agricultural Science (CAAS)	BI Jinfeng
37-4	Novel mixed matrix membranes (MMMs) for separation of liquid and gas mixtures	Nicolaus Copernicus University in Toruń	Wojciech Kujawski	Nanjing Tech University	JIN Wanqin
37-5	New generation of electrode materials for symmetrical solid oxide electromechanical cells	AGH University of Science and Technology	ŚWIERCZEK Konrad	University of Science and Technology Beijing	ZHAO Hailei
37-6	Research on superheated steam and low temperature combined drying process for low rank coal upgrade	Wrocław University of Science and Technology	Halina Pawlak Kruczek	Shandong Tianli Energy Corporate Limited	SHI Yongchun
37-7	Development and characterization of recombinant Infectious Bronchitis Virus expressing the S gene of Polish GI-23 lineage (Var2) strain	National Veterinary Research Institute, Poland	Katarzyna Domanska-Blicharz	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences	WEI Yanquan
37-8	all-in one thermometer-heater luminescent nano-platforms towards photothermal therapy	Institute of low temperature and structure research Polish Academy of Science	Lukasz Marciniak	Northwest University	GUO Chongfeng
37-9	Research on multi-objective optimal design of high power switched reluctance generator	West Pomeranian University of Technology	Ryszard Palka	China University of Mining & Technology	Wang Xing

No.	Title	Polish Organization	Polish Applicant	Chinese Organization	Chinese Applicant
37-10	Procedures for field measurements at radon/thoron prone areas used for assesment of radiological hazard for population	The Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences	Jadwiga MAZUR	China University of geosciences	Wang Nanping
37-11	Study on power quality assessment in shipboard AC systems - models, definitions, procedures	Gdynia Maritime University	Tomasz Tarasiuk	Shanghai Maritime University	Xu Xiaoyan
37-12	Speciation analysis of various metal in nutrients and medicinally active compounds	Warsaw University of Technology	Lena Ruzik	Zhejiang University of Technology	ZHOU Ying
37-13	Self-healing of SMA containing conductive materials by induction heating and early life skid resistance evolution of its pavement	Warsaw University of Technology	Karol J. Kowalski	Chongqing Jiaotong University	HE Liang
37-14	Coupled mathematical models for surface and subsurface flow on flooded areas	Gdańsk University of Technology, Faculty of Civil and Environmental Engineering	Romuald Szymkiewicz	College of Enbironmental Science and Engineering, Nankai University	HUANG Sui Liang
37-15	Research and development photo-responsive supramolecular polymer materials	Adam Mickiewicz University, Poznań	BogumiłE. Brycki	Huazhong University of Science and Technology	WANG Hong
37-16	Abrasion Research of walls of vertical and inclined pipelines as well as lift pumps in deep-sea mining	Wrocław University of Environmental and life sciences	Jerzy Sobota	Hunan University	Zou weisheng
37-17	Super-broadband ultrashort pulse generation at 2 μm in fiber lasers with high temporal quality for seeding of mid-infrared optical amplifiers	Institute of Electronic Materials Technology (ITME), Poland	Mariusz Klimczak	Jiangsu Normal University	ZHAO Luming
37-18	Investigation of geometric and topological properties of Banach and F-normed spaces and their applications	Adam Mickiewicz University in Poznań	Marek Wisła	Harbin Normal University	Ma Haifeng

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37-19	Scheduling under due date constraints and its applications in production systems	Institute of Computing Science, Poznan University of Technology	Malgorzata Sterna	School of Electronics and Information Engineering, Liaoning University of Technology	Chen Xin
37-20	Cell-mediated immunity of calves challenged with <i>M. bovis</i>	National Veterinary Research Institute, Poland	Katarzyna Dudek	Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences ,China	CHU Yuefeng