

Popis odobrenih projekata na 8. zasjedanju hrvatsko-kineskog Povjerenstva za znanstvenu i tehnološku suradnju

No.	Title of the research project)	Croatian Principal Investigator	Croatian institution	Chinese Principal Investigator	Chinese institution
1	Microscopic theory of nuclear fission	Dario Vretenar	Faculty of Science, Department of Physics, University of Zagreb	ZHOU Shangui	Institute of Theoretical Physics, Chinese Academy of Sciences
2	Solvation Dynamics and Excited State Energy Transfer of Complex Molecules in Condensed Phase	Silvije Vdović	Institute of Physics, Zagreb	Andong Xia	Institute of Chemistry, Chinese Academy of Sciences
3	New quantum phenomena in type-II Weyl semimetals	Mario Novak	Faculty of Science, Department of Physics, University of Zagreb	QU Fanming	Institute of Physics, Chinese Academy of Sciences
4	Insight into thermosalient phenomenon of molecular crystals – one step closer to revealing the jumping mystery using the high-temperature AFM and high- temperature FTIR	Željko Skoko	Faculty of Science, Department of Physics, University of Zagreb	Alan Man Ching Ng	Southern University of Science and Technology, China
5	The balance between nutrients, hydrodynamics and macrophytes in the freshwater ecosystem	Maria Špoljar	Faculty of Science, Department of Biology, University of Zagreb	ZHANG Chen	State Key Laboratory of Hydraulic Engineering Simulation and Safety, Tianjin University
6	Cooperation research on common conservation technology of karstic lakes based on outstanding universal value in world natural heritage sites	Anđelka Plenković Moraj	Faculty of Science, Department of Biology, University of Zagreb	SUN Geng	Chengdu Institute of Biology, Chinese Academy of Sciences
7	Ecological risk assessment of microplastic in soils: towards developing state-of-the-art biological methods toolbox	Goran Klobučar	Faculty of Science, Department of Biology, University of Zagreb	LI Mei	School of Environment, Nanjing University

8	Applications of machine learning methods to genomics and structural biology	Kristian Vlahoviček	Faculty of Science, Department of Biology, University of Zagreb	Hong-Bin Shen	School of Electronics, Informatics and Electrical Engineering, Shanghai Jiaotong University
9	New strategies for the asymmetric construction of quaternary stereogenic centers found in natural products	Matija Gredičak	Ruđer Bošković Institute	YOU Shuli	Shanghai Institute of Organic Chemistry, CAS
10	Iron oxide nanostructures for environmental and energy applications	Mira Ristić	Ruđer Bošković Institute	Wang Junhu	Dalian Institute of Chemical Physics, Chinese Academy of Sciences
11	Picolyl-based cyanostilbene metallo gel systems as anion sensors	Zoran Džolić	Ruđer Bošković Institute	JIANG Shimei	Jilin University
12	The study of highly stable and mixed-cations organometallic trihalide perovskite materials and solar cells	Igor Djerdj	Department of Chemistry Josip Juraj Strossmayer University of Osijek	Zhubing HE	Southern University of Science and Technology
13	The speciation of trace metals in seawater at phase boundaries - implementation of advanced methodologies	Dario Omanović	Ruđer Bošković Institute	Li Li	First Institute of Oceanography
14	Flexible Urban systems in mUlti-eneRgy Environment-FUTURE	Tomislav Capuder	Faculty of Electrical Engineering and Computing, University of Zagreb	Ning Zhang	Tsinghua University
15	WIND ASP - Impact of wind power plants unpredictability on ancillary services provision	Igor Kuzle	Faculty of Electrical Engineering and Computing, University of Zagreb	LIU Yongqian	North China Electric Power University
16	Body area networks for health applications based on intrabody communication	Željka Lučev Vasić	Faculty of Electrical Engineering and Computing, University of Zagreb	Gao Yueming	Fuzhou University, P.R. China

17	CC-MARS: China-Croatia Collaboration on MARine Robotic Systems	Nikola Mišković	Faculty of Electrical Engineering and Computing, University of Zagreb	XIANG Xianbo	Huazhong University of Science and Technology
18	Structure constrained decompositions for enhancement and segmentation of PET/CT and OCT images	Ivica Kopriva	Ruder Bošković Institute	CHEN Xinjian	School of Electronics and Information Engineering, Soochow University
19	Paper-based printed sensing technology and quality detection method for perishable food cold chain management and traceability	Marija Brkić Bakarić	Department of Informatics, University of Rijeka	FU Zetian	China Agricultural University
20	Study on the fine particle formation and control during the utilization of biomass and solid recovered fuels	Milan Vujanović	Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	WANG Xuebin	Xi'an Jiaotong University
21	Water collection from flue gases	Neven Duić	Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	Tan Houzhang	Xi'an Jiaotong University
22	Self-healing coating for corrosion protection based on microcapsules / nanoparticles	Ivan Stojanović	Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb	Xu Likun	State Key Laboratory for Marine Corrosion and Protection, Qingdao Branch of Luoyang Ship Material Research Institute
23	Granular and Ductile Mechanisms of Mg ₂ (SixSn _{1-x}) During Solidification in Mg-Sn-Si System	Marko Čanadija	Technical Faculty, University of Rijeka	GUO Xuefeng	Henan Polytechnic University
24	Experimental study of large span structure considering multiple support excitation	Gordan Jelenić	Faculty of Civil Engineering, University of Rijeka	Li Luyu	Dalian University of Technology

25	Anthropometric measurements for woven and nonwoven clothing	Darko Ujević	Faculty of Textile Technology, University of Zagreb	YU Bin	Zhejiang Sci-Tech University
26	Development of Low-altitude Airspace Surveillance System Based on The UAV Platform	Andrija Vidović	Faculty of Transport and Traffic Sciences, University of Zagreb	Wang Bo	Ningbo University of Technology
27	Personality bases of mania or hypomania without depression in affective disorders: a cross-cultural study in China and Croatia	Darko Marčinko	Clinical Hospital Center Rebro- Zagreb, School of Medicine, University of Zagreb	Wang Wei	Zhejiang University College of Medicine
28	Mechanism modeling and biosensor development for live fish transportation with water-free condition	Branko Glamuzina	University of Dubrovnik	ZHANG Xiaoshuan	China Agricultural University
29	Gastrointestinal microbiota composition of topmouth gudgeon <i>Pseudorasbora parva</i> (Temminck & Schlegel, 1846) in native (China) and non-native (Croatia) environment	Mirna Mrkonjić Fuka	Faculty of Agriculture, University of Zagreb	LI Dapeng	Huazhong Agricultural University, China
30	Simultaneously research of cultivation possibilities for strawberry in China and Croatia	Aleksandar Mešić	Faculty of Agriculture, University of Zagreb	Wang Jianhui	Horticulture Institute, Sichuan Academy of Agricultural Science