

Application Results for 2021 Thematic Projects at Academia Sinica

A total of 35 applications were submitted for the 2021 Thematic Projects.

7 were approved in the meetings of the Second-round Review and Budget Review, including 2 from Division of Mathematics and Physical Sciences, 3 from Division of Life Sciences, and 2 from Division of Humanities and Social Sciences. Please refer to the following table for detailed information. Approved projects may not be executed until budget plans have been officially approved.

A. Division of Mathematics and Physical Sciences: (2 projects)

Project No.	Project Title	(1) Project Director (2) Sub-project Director (3) Co-Director	Institution or Research Center
AS-TP-110-M02	Geotectonic structure, seismogenic fault, and earthquake early-warning system along the gigantic subduction zone in South Pacific	(1) BOR-SHOUH HUANG (3) YUE-GAU CHEN	Institute of Earth Sciences, Academia Sinica Research Center for Environmental Changes, Academia Sinica
AS-TP-110-M02-1	Seismogenic fault behavior and earthquake early warning along subduction zone in South Pacific: real-time upgrades of established seismic and geodetic networks	(2) YUE-GAU CHEN	Research Center for Environmental Changes, Academia Sinica
AS-TP-110-M02-2	Exploring the double-subduction structure in South Pacific with earthquake focal mechanisms	(2) TAI-LIN TSENG	Department of Geosciences, National Taiwan University
AS-TP-110-M02-3	Seismic imaging of the subduction structure in South Pacific	(2) HAO KUO CHEN	Department of Earth Sciences, National Central University

AS-TP-110-M07	Design and Research of Smart Digital Farmer Platform	<p>(1) YENNUN HUANG</p> <p>(3) PI-CHENG HSIU</p> <p>(3) CHIH-YU WANG</p> <p>(4) KUO-CHEN YEH</p> <p>(5) HSIN-HUNG YEH</p> <p>(3) MING-JUNG LIU</p> <p>(3) SWEE-SUAK KO</p>	<p>Research Center for Information Technology Innovation, Academia Sinica</p> <p>Research Center for Information Technology Innovation, Academia Sinica</p> <p>Research Center for Information Technology Innovation, Academia Sinica</p> <p>Agricultural Biotechnology Research Center, Academia Sinica</p> <p>Agricultural Biotechnology Research Center, Academia Sinica</p> <p>Agricultural Biotechnology Research Center, Academia Sinica</p> <p>Agricultural Biotechnology Research Center, Academia Sinica</p>
AS-TP-110-M07-1	Development of A Smart Farmer Platform based on Artificial Intelligence (AI)	(2) YENNUN HUANG	Research Center for Information Technology Innovation, Academia Sinica
AS-TP-110-M07-2	Design of Intermittently-powered AIoT Operating System for Smart Farming	<p>(2) PI-CHENG HSIU</p> <p>(3) CHIH-YU WANG</p>	<p>Research Center for Information Technology Innovation, Academia Sinica</p> <p>Research Center for Information Technology Innovation, Academia Sinica</p>

AS-TP-110-M07-3	AgriTalk: AIoT platform for smart farming	(2) YI-BING LIN (3) WEN LIANG CHEN (3) YUN-WEI LIN	College of Artificial Intelligence, National Chiao Tung University Department of Biological Science and Technology, National Chiao Tung University College of Artificial Intelligence, National Chiao Tung University
AS-TP-110-M07-4	Design of Intermittently-powered AIoT Operating System for Smart Farming	(2) KUO-CHEN YE (3) HSIN-HUNG YE (3) MING-JUNG LIU	Agricultural Biotechnology Research Center, Academia Sinica Agricultural Biotechnology Research Center, Academia Sinica Agricultural Biotechnology Research Center, Academia Sinica
AS-TP-110-M07-5	Crop modeling and physiological response of sweet melon and cherry tomato	(2) SWEE-SUAK KO	Agricultural Biotechnology Research Center, Academia Sinica

B. Division of Life Sciences : (3 projects)

Project No.	Project Title	(1) Project Director (2) Sub-project Director (3) Co-Director	Institution or Research Center
AS-TP-110-L06	Deciphering the molecular regulation of autophagy in gut homeostasis and host defense	(1) GUANG-CHAO CHEN (3) LI-CHUNG HSU (3) CHENG-YUAN KAO	Institute of Biological Chemistry, Academia Sinica Institute of Molecular Medicine, National Taiwan University Immunology Research Center, National Health Research Institutes

AS-TP-110-L10	Whole brain connectome imaging of mouse genetic models	(1) YI-PING HSUEH (3) CHOU SHEN-JU (3) BI-CHANG CHEN	Institute of Molecular Biology, Academia Sinica Institute of Cellular and Organismic Biology, Academia Sinica Research Center for Applied Sciences, Academia Sinica
AS-TP-110-L11	An integrative structural biology analysis of RNA polymerase III transcription	(1) HUNG-TA CHEN (3) WEI-HAU CHANG	Institute of Molecular Biology, Academia Sinica Institute of Chemistry, Academia Sinica

C. Division of Humanities and Social Sciences: (2 projects)

Project No.	Project Title	(1) Project Director (2) Sub-project Director (3) Co-Director	Institution or Research Center
AS-TP-110-H01	Divided Nations: Economic Cooperation in the Shadow of Contested Sovereignty	(1) CHIEN-HUEI WU	Institute of European and American Studies, Academia Sinica
AS-TP-110-H01-1	Engaging Enemies through International Trade and Investment Negotiations: the Case of Taiwan and China	(2) HAN-WEI LIU	Monash University, Department of Business Law and Taxation, Melbourne, Australia
AS-TP-110-H01-2	Engaging Enemies through International Trade and Investment Negotiations: the Case of North-South Cyprus	(2) CHIEN-HUEI WU	Institute of European and American Studies, Academia Sinica
AS-TP-110-H01-3	Engaging Enemies through International Trade and Investment Negotiations: the Case of North-South Korea	(2) CHING-FU LIN	Institute of Law for Science and Technology, National Tsing Hua University

AS-TP-110-H04	Imagining Global Order: A Study in Comparative Political Thought (between the West and East Asia)	(1) KUO-SHIANG ROY TSENG	Research Center for Humanities and Social Sciences, Academia Sinica
AS-TP-110-H04-1	Liberalism as a Political Problem: Herbert Spencer and Victorian International Thought	(2) ALVIN CHEN (3) CHIA-YU CHOU	Research Center for Humanities and Social Sciences, Academia Sinica Department of Political Science, National Chengchi University
AS-TP-110-H04-2	British Liberal Internationalism's Plural Perspectives on Imperialism	(2) CHIA-MING CHEN (3) KUO-SHIANG ROY TSENG	Research Center for Humanities and Social Sciences, Academia Sinica Research Center for Humanities and Social Sciences, Academia Sinica
AS-TP-110-H04-3	Darwinism, Imperialism, and the Rise of Anti-colonialism : A Study in the Use and Abuse of a Biological Theory in the Political Discourses	(2) HAO YEH	Department of Political Science, National Chengchi University
AS-TP-110-H04-4	Discourse of Anti-Imperialism and Imperialism in Modern Japanese Narratives of civilization (Bunmei) : A Study of Kōtoku Shūsui, Ukita kazutami, and Tokutomi Sohō	(2) WEI-FEN CHEN	Institute of Chinese Literature and Philosophy, Academia Sinica
AS-TP-110-H04-5	The Thought of International Law in Modern Japan and Taiwan Expedition: From Soejima Taneomi to Inoue Kowashi	(2) HUNG-YUEH LAN	Institute of History and Philosophy, Academia Sinica
AS-TP-110-H04-6	Liang Qichao's Xinminshuo: An Examination in Comparative Political Thought	(2) CARL K. Y. SHAW	Research Center for Humanities and Social Sciences, Academia Sinica