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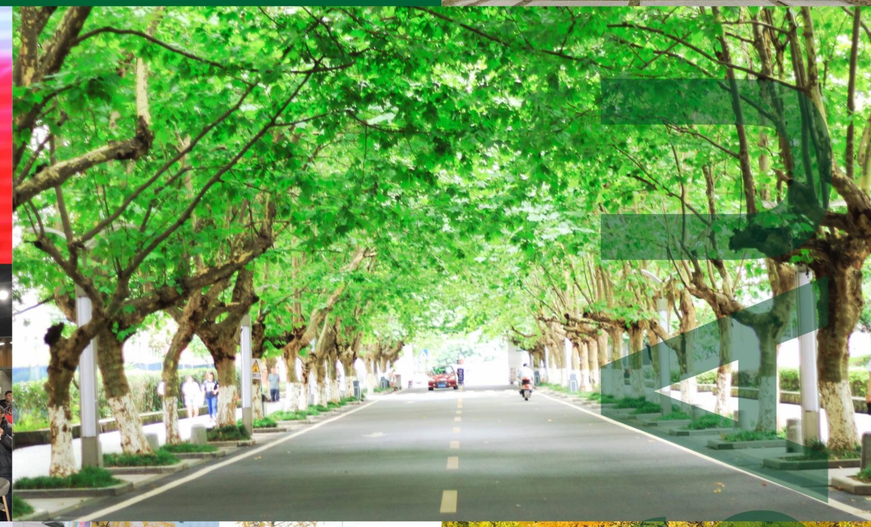
四川農業大學

SICHUAN AGRICULTURAL UNIVERSITY



Founded in 1906

National “211 Project” Key Construction University

National “Double First-Class” Construction University

Featured in biotechnology,
advantaged in agricultural science and technology

Motto

Pursue the truth, benefit the society and strive for self-improvement

Spirit

Patriotic and Dedicated, Perseverant and Hardworking,

United and Striving, Practical and Innovative

UNIVERSITY OVERVIEW

- Three campuses, total area: 741 acres, library collection resources: 11.65 million volumes (pieces)
- 26 Colleges, 4 Research Institutes (Centers), 2 State Key Laboratories

Ya’an Campus: No. 46 Xinkang Road, Yucheng District, Ya’an City

Ya’an is the place where the world’s first giant panda was found. Ya’an Campus is the one with the longest history among the three campuses, which is embodied in the grey-tiled office buildings with red pillars and the Phoenix-tree-lined Avenue. It covers an area of more than 362 acres, consists of 10 colleges, with the comprehensive development of Management, Education, Law and Art, and predominant with Engineering and Science.

- College of Science
- College of Mechanical and Electrical Engineering
- College of Information Engineering
- College of Water Conservancy and Hydropower Engineering
- College of Physical Education
- College of Life Science
- College of Food Science
- College of Law
- College of Humanities
- College of Arts and Media

Chengdu Campus :No.211 Huimin Road, Wenjiang District, Chengdu City

Chengdu, the capital city of Sichuan Province, has been known as the “Land of Abundance” since ancient times. It is a famous historical and cultural city, the gastronomic capital of the world, as well as a developed central city and an international metropolis in western China. Covering an area of over 98 acres, Chengdu campus now has 13 colleges, 2 state key laboratories and 14 research institutes (centers). With the advantages of Agronomy, Animal Science, Forestry and other agricultural majors, it is characterized by Agricultural and Forestry Economics and Management, and with the coordinated development of Engineering, Science, Medicine and Art. The Modern Agricultural Research and Development Base of SAU, 25-minute drive from Chengdu campus, covers an area of over 411 acres. It is a comprehensive modern agricultural science and technology park with the core of teaching practice, agricultural science experiments and high-tech research and development.

- College of Agronomy
- College of Grassland Science and Technology
- College of Forestry
- College of Landscape Architecture
- College of Environmental Sciences
- College of Management
- International College
- College of Animal Science and Technology
- College of Veterinary Medicine
- College of Horticulture
- College of Resources
- College of Economics
- College of Marxism

◆ Rice Research Institute
◆ Maize Research Institute
◆ Triticeae Research Institute
◆ Animal Nutrition Institute

★ State Key Laboratory
★ National key laboratory

Dujiangyan Campus: No.288 Jianshe Road, Dujiangyan City, Chengdu

Dujiangyan is the only city to receive three “World Heritage Sites”, including World Cultural Heritage, World Natural Heritage and World Heritage Irrigation Structures. Small but exquisite, Dujiangyan campus is close to the world cultural heritage-Dujiangyan Water Conservancy Project. Sitting on a forest farm of over 80 hectares, with towering ancient trees, it is a unique scenery. The campus now consists of 3 colleges, covering an area of more than 247 acres, centering on the majors of Engineering and Management.

- College of Civil Engineering
- College of Architecture and Urban-Rural Planning
- College of Business and Tourism

TEACHING STAFF

Nearly 3600 faculty members

- **315** Doctoral Supervisors
- **820** Master's Supervisors
- **439** Professors
- **589** Associate Professors

EXPERT INTRODUCTION

RONG Tingzhao

Professor of Crop Genetic and Breeding

Academician of Chinese Academy of Engineering. He created a new method of maize breeding, in which quantitative genetic research and population improvement in parallel with inbred line and hybrid breeding, opened up a new way for tropical germplasm to be applied in maize breeding in temperate regions, and put forward a new theory of breeding population and a new method of synthetic breeding population.

CHEN Xuewei

Professor of Plant Pathology

Distinguished Professor of Chang Jiang Scholars Program, winner of the National Science Fund for Distinguished Young Scholars, chairman of the Innovative Research Group of the Natural Science Foundation, director of the State Key Laboratory of Crop Gene Exploration and Utilization in Southwest China. As the corresponding author, he has published more than 40 papers in journals such as Science and Cell, jointly cultivated 23 new disease-resistant rice varieties, and developed new pesticides for crop disease prevention and control. He won the Xplorer Prize, Tan Jiazhen Life Science Innovation Award, Top Ten Progress Award in Life Science.

CHENG Anchun

Professor of Preventive Veterinary Medicine

Veterinary epidemiologist. He specialized in the etiology, vaccine development and drug resistance mechanism of animal infectious diseases, invented inactivated vaccines for duck infectious serositis and live attenuated vaccine for duck viral hepatitis. He won the second prize of National Award for Technological Invention and first prize for Technological Invention of the Ministry of Education.

FANG Zhengfeng

Professor of Animal Nutrition and Feed Science

Distinguished Professor of Chang Jiang Scholars Program. He is mainly engaged in the research on the regulation mechanism and key technologies of nutrition on fetal porcine survival, mammary gland health and pork quality. The results of “Systematic nutrition technology of sows” have been applied in more than 10 major live pig production provinces and cities, with direct economic benefits exceeding 10 billion yuan.

HE Jun

Professor of Animal Nutrition and Feed Science

Distinguished Professor of Chang Jiang Scholars Program, Leading Scientist of "Ten-thousand Talents Program". He is mainly engaged in the researches of swine nutrition and feed biotechnology. His researches significantly improved the utilization of unconventional feed stuffs, and promoted the development of domestic swine production industry.

LI Mingzhou

Professor of Animal Genetics, Breeding and Reproduction

Winner of the National Science Fund for Distinguished Young Scholars, China Youth Science and Technology Award. He specializes in the genomics and molecular breeding of pork production traits, has published over 180 papers in Nature Genetics, Cell Research, Cell Discovery and other journals, and participated in the cultivation of two state−level new hybrid pigs.

LI Shigui

Professor of Crop Genetics and Breeding

Winner of the National Science Fund for Distinguished Young Scholars, and the second prize of National Science and Technology Progress Award. He has been engaged in the research on rice genetic breeding, is the breeder of the key parent of heavy panicle hybrid rice (Shuhui 527 and 498), his research results have been published in Cell, Science Advances and other journals.

LIU Dengcai

Professor of Crop Genetics and Breeding

Candidate of the “Hundred Talents Program” of the Chinese Academy of Sciences. His study is to investigate the genetics of distant hybridization and allopolyplodization and the utilization on wheat breeding. He established the introgressing method through a double top−cross plus a two phase selection, which is an effective strategy to develop high−yielding wheat varieties. Novel varieties harbor various resistances genes to stripe rust, boosting the multiple layouts of the resistance genes in wheat production.

LU Yanli

Professor of Crop Genetic and Breeding

Top Young Talent of “Ten−thousand Talents Program”, Winner of the China Youth Science and Technology Award and Chinese Young Female Scientists Award. Her researches focus on the genetic analysis and molecular breeding of abiotic stress tolerance in maize. She has discovered a number of new stress−resistant maize genes, revealed the molecular mechanism of epigenetic regulation in response to stress, and created a new stress−resistant maize germplasm.

WU De

Professor of Animal Nutrition and Feed Science

Distinguished Professor of Changjiang Scholars Program. He put forward the systematic nutrition theory of sows, has made original achievements in the field of mechanism and technology of nutrition regulating the fecundity of sows, and made outstanding contributions to the construction of large-scale sow production and feeding management system, and won two second prizes of National Science and Technology Progress Award.

ZHOU Xiaoqiu

Professor of Animal Nutrition and Feed Science

Director of the Academic Committee of the University. He took the lead in the research on the theory and technological innovation of fish health nutrition in the world. He has been awarded the second prize of National Science and Technology Progress as the first author, and is a highly cited author according to the Elsevier.

ZHUANG Tianhui

Professor of Agricultural Economics and Management

Expert enjoys the special government allowances of the State Council, Academic and Technological Leader and Leading Talent of “Tianfu Qingcheng Plan” of Sichuan Province. She has been long engaged in rural regional development and poverty reduction research, and provides important think-tank programs for rural revitalization.

TALENT TRAINING

FEATURED MAJORS

Agronomy

Focused on the theoretical knowledge and skills in crop production, crop genetics and breeding, seed production and testing, and agricultural modernization management. Cooperative relationships have been established with 29 foreign scientific research institutes, such as International Maize and Wheat Improvement Center (CIMMYT) and International Rice Research Institute.

Animal Science

Ranking among the top 3 in China, with a history of more than 100 years. Mainly cultivates tsenior specialized talents of teaching, scientific research, popularization and development in the fields of animal genetics, breeding and reproduction, animal nutrition and feed science, animal production and management, etc.

Veterinary Medicine

It is an important major in the study of the prevention and treatment of animal diseases, enabling students to master the epidemic regularities of food animals, pets, wild animals, aquatic animals and zoonotic diseases, and to be familiar with the prevention, diagnosis and treatment of diseases, so as to ensure animal health and the safety of animal-derived food, and provide effective support for the protection of animal health and human life safety.

Forestry

With a history of more than 100 years, it mainly cultivates senior specialized talents who will be engaged in scientific research, achievements popularization, forestry production and management in forest cultivation, ecological environment construction and protection, urban greening, etc.

Grassland Science

In 1985, it took the lead in establishing the undergraduate major of grassland science in the south China, and now it is a national first−class major. It has cooperated with Michigan State University on the major of lawn management for ten years. More than 90% of the graduate student supervisors have overseas study experience. It has obvious regional characteristics and advantages.

Agricultural Resources and Environment

With a history of more than 80 years, it has distinctive features in soil and land resources investigation, information processing and mapping, environmental investigation, monitoring and evaluation, soil pollution remediation, agricultural waste resource recovery, plant nutrition and agricultural product safety, diversity and application of soil and environmental microbial resources.

Landscape Architecture

A discipline that shows the characteristics of the West Sichuan gardens and parks. Integrating garden plants, art and culture to plan, design, protect, construct and manage the outdoor space in natural and artificial environments, to coordinate the relationship between human and nature, and aim at beautifying the living environment eventually.

Horticulture

Aims to cultivate students to acquire the basic knowledge and skills of modern biology, modern economic management and horticulture, and to be engaged in the horticulture-related technology and design, promotion and development, management, teaching and scientific research.

Tea Science

As a national characteristic major, its teaching content involves biochemistry, variety breeding, tea tree cultivation, tea processing, tea culture, tea market management and other aspects. With Mengdingshan Tea Exchange and other three state-level teaching and research platforms, it focuses on germplasm resources and product development and is popular among students from all over the world.

Agricultural and Forestry Economic Management

Constructed as the first batch of China's Outstanding Talent Cultivation of Agriculture and Forestry Program, has a strong faculty team, characterized by the integrated education form undergraduate, master to PhD in agricultural and forestry economic management, and is the only university which offers the doctoral degree in agricultural and forestry economic management in Sichuan province. "Agricultural Economic Research Association" has been awarded the national outstanding student association. It has enrolled international students of undergraduate, master and doctoral levels.

International Economics and Trade

It has built an English-teaching team to offer professional courses, and has established a practice base for international students. It has established cooperation with more than 10 overseas colleges and universities to carry out teacher-student exchange and joint scientific research programs, and has accepted more than 100 international students in the past five years.

Civil Engineering

Involves geotechnical engineering, structural engineering, road bridge and tunnel engineering, municipal engineering and other directions. Characterized by the construction of villages and towns, an Engineering Research Center in Sichuan higher education institutions for Disaster Prevention and Reduction in Villages and Towns Construction has been established, and a teaching and scientific research base integrating engineering technology research and development, demonstration construction and promotion has been built.

SCIENTIFIC RESEARCH

RESEARCH PLATFORM

- State Key Laboratory of Crop Gene Exploration and Utilizationin Southwest China
- Key Laboratory of Agricultural Product Processing and Nutrition Health
- National Key Laboratory of Swine and Poultry Breeding Industry
- Key Laboratory of Maize Biology and Genetic Breeding in Southwest China
- Laboratory of Animal Disease Resistance Nutrition
- Technology Engineering Research Center of Animal Disease Prevention and Control in Southwest China
- National Provenance Base of Experimental Rhesus Monkey
- Comprehensive Research and Test Base of Sichuan Soybean

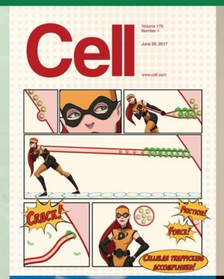
STATE KEY LABORATORY

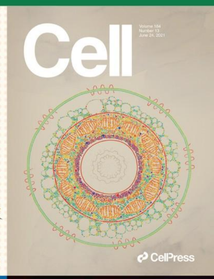
State Key Laboratory of Crop Gene Exploration and Utilization in Southwest China has made a series of original achievements in crop genetics and breeding, crop cultivation and pathogenic mechanism research. In recent years, the laboratory has published more than 500 important papers in academic journals such as *Science, Cell*, *Nature Plants* and *Nature Microbiology*.

Focusing on the strategic goal of national food security, the laboratory has set up four main research directions, namely, exploration of excellent crop gene resources, crop and pest interaction, crop environmental response and physiology, crop germplasm innovation and variety design, to carry out cutting-edge theoretical and applied basic research. Through in-depth exploration of excellent genes of crops and efficient use of excellent genes to cultivate excellent varieties, it can be used to meet the major production needs of agriculture in Southwest China, so as to improve the independent innovation ability of agricultural science and technology in Southwest China and even the whole country, and promote the transformation of Sichuan from a major agricultural province to a strong agricultural province, and provide strong scientific, technological and talent support for enhancing the overall grain production capacity and promoting the sustainable development of the regional economy.

TOP 1% OF ESI GLOBAL RANKINGS

- Agricultural Science
- Plant & Animal Science
- Biology & Biochemistry
- Environmental Science & Ecology
- Chemistry
- Microbiology
- Engineering
- Molecular Biology & Genetics
- Social Science





SCIENTIFIC RESEARCH

AWARDS OF S&T ACHIEVEMENTS

700+ ministerial and provincial-level awards for scientific and technological achievements

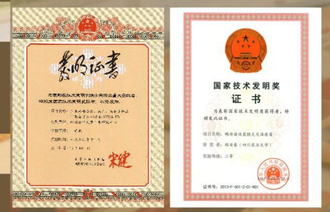
1 Grand Prize of National Award for Technological Invention (Rice)

2 First Prizes of National Award for Technological Invention (Wheat, Rice)

2 Second Prizes of National Award for Technological Invention (Vaccine, Maize)

1 Second Prize of National Natural Science Award (Wheat)

21 Second Prizes of National Science and Technology Progress Award (Aquatic Products, Livestock and Poultry, Crops, etc)



The project “Establishment and Application of Pig Disease-resistant Nutrition Technology System” won the second prize of National Science and Technology Progress Award

The book series of Illustration of Standardized Scale Farming of Livestock and Poultry won the second prize of National Science and Technology Progress Award

The project “Innovation and Application of Nutritional Technology for Healthy Culture of Grass Carp” won the second prize of National Science and Technology Progress Award

SCIENTIFIC SERVICES

- About 70% of the award-winning technological achievements have been popularized and transformed
- Practice actively to build a higher level of “Tianfu Granary”
- The breeding of new varieties and lines has generated a cumulative social and economic benefits of more than 100 billion yuan

Prof. MA Jun (second from right) of our university reported to the General Secretary XI Jinping on rice breeding experiment and planting extension

Prof. ZHENG Yangxia, vegetable expert instructed asparagus planting in a poverty alleviation project

Prof. ZHUANG Tianhui, expert in agricultural economics, led an expert team to provide technical guidance in a poverty alleviation project

Awarding Ceremony of Western Rural Revitalization Research Center

Prof. LYU Xiulan, fruit expert carried out a field training on grape technology

Prof. WANG Xiyao, agricultural expert guided potato production in a poverty alleviation project

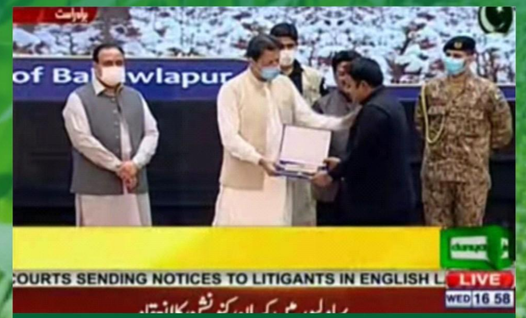
355 varieties have been registered in the past five years

TECHNOLOGY POPULARIZATION

The “maize−soybean strip intercropping technology” has been written into the “No.1 central document” in 2023, which is the third time after this technology was written into the “No.1 central document” in 2020 and 2022. It is also the first agricultural technology model in Sichuan Province that has been included in the “No.1 central document” for three times to be promoted.

Maize and soybean belong to dry grain crops of the same season, and there is a serious contradiction for cultivation land between them. After 22 years of scientific and technological research, Professor Yang Wenyu’s team, through the integration of agricultural machinery and agronomic techniques, and the matching of improved varieties and methods, has selected compact, density-tolerant and lodging-resistant maize varieties and density-tolerant, shade-tolerant and harvester-friendly soybean varieties to carry out strip intercropping planting, achieving the output of 1.5 times of grain per mu of land. This technology is of great significance to ensure the maize production capacity, greatly improve the self-sufficiency rate of soybean, and ensure the food security of our country.

Yang Wenyu’s team also took the technology abroad, he personally guided his Pakistani doctoral student Muhammad Ali Raza to popularize it in Pakistan.



The then Prime Minister of Pakistan presents an award to Ali Raza

Prof. Yang Wenyu gives field guidance in Pakistan

The team measures the experimental samples

Jointly build “Nutrition and Health Innovation Center”

Professor Chen Daiwen of our university set up the innovative team of “Molecular Mechanism of Pig Disease-Resistant Nutrition” of the Ministry of Education, and proposed to improve the immunity and resistance of livestock through precise nutrition supply and improve their productivity. Professor Chen became the first person to put forward the concept of “disease-resistant nutrition” in the world, breaking the traditional concept that “only veterinary medicine can solve the disease problem, and nutrition supply can only solve the growth rate and growth efficiency”.

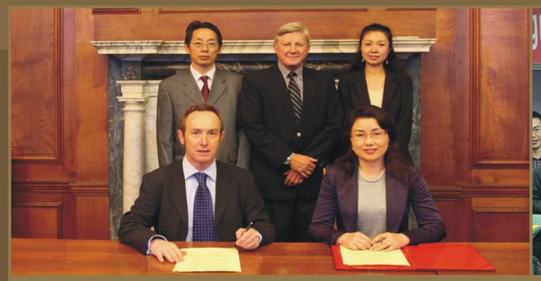
In 2018, Adisseo and the Animal Nutrition Institute of our university jointly established the “Nutrition and Health Innovation Center”, with an annual contribution of 400,000 euros from Adisseo to fund applied research, it has become a new model of the international cooperation mode of “industry-university-research” in the breeding industry. At present, the key parameters of disease-resistant nutrition in livestock studied by the team have been written into European and American books on animal nutrition and the latest feeding standards of NRC in the United States.

INTERNATIONAL EXCHANGES

The 8th International Rice Blast Conference
—— organized by Sichuan Agricultural University

PLATFORMS FOR INTERNATIONAL S&T COOPERATION

- International Cooperation Base of Wheat Genetics and Breeding (Sichuan Province)
- Joint International Research Center of Animal Disease Prevention and Control (Sichuan Province)
- International Cooperation Base of Maize Genetics and Breeding (Sichuan Province)
- International Cooperation Base of Rice Genetics and Breeding (Sichuan Province)
- Joint Laboratory for International Cooperation in Crop Genetic Resources and Genetic Improvement



SAU delegation visited the University of Nottingham, UK

Agreement Signing with the Adisseo R&D Headquarters in France

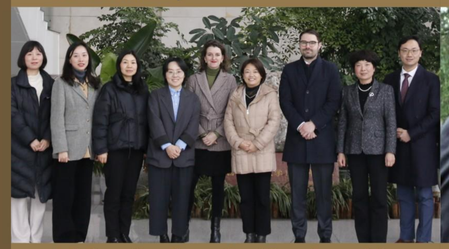
OVERSEAS EXPERTISE INTRODUCTION CENTER FOR DISCIPLINE INNOVATION ("111 CENTER")

- Animal Nutrition and Feed Science
- Crop Science

SAU delegation visited the University of Padua, Italy

Agreement Signing with Ben-Gurion University of the Negev, Israel

Agreement Signing with Prefectural University of Hiroshima, Japan



A delegation from the Kingdom of the Netherlands visited SAU

The President of the Council of the European Union visited SAU

The President of Mozambique visited SAU

INTERNATIONAL EXCHANGES

SCHOLARSHIPS FOR INTERNATIONAL STUDENTS

- Sichuan Government Scholarship (SGS)
- Chengdu “Belt and Road” Scholarship
- Chengdu Government Sister Cities Scholarship
- Ya’an Government Scholarship
- University Scholarship of SAU

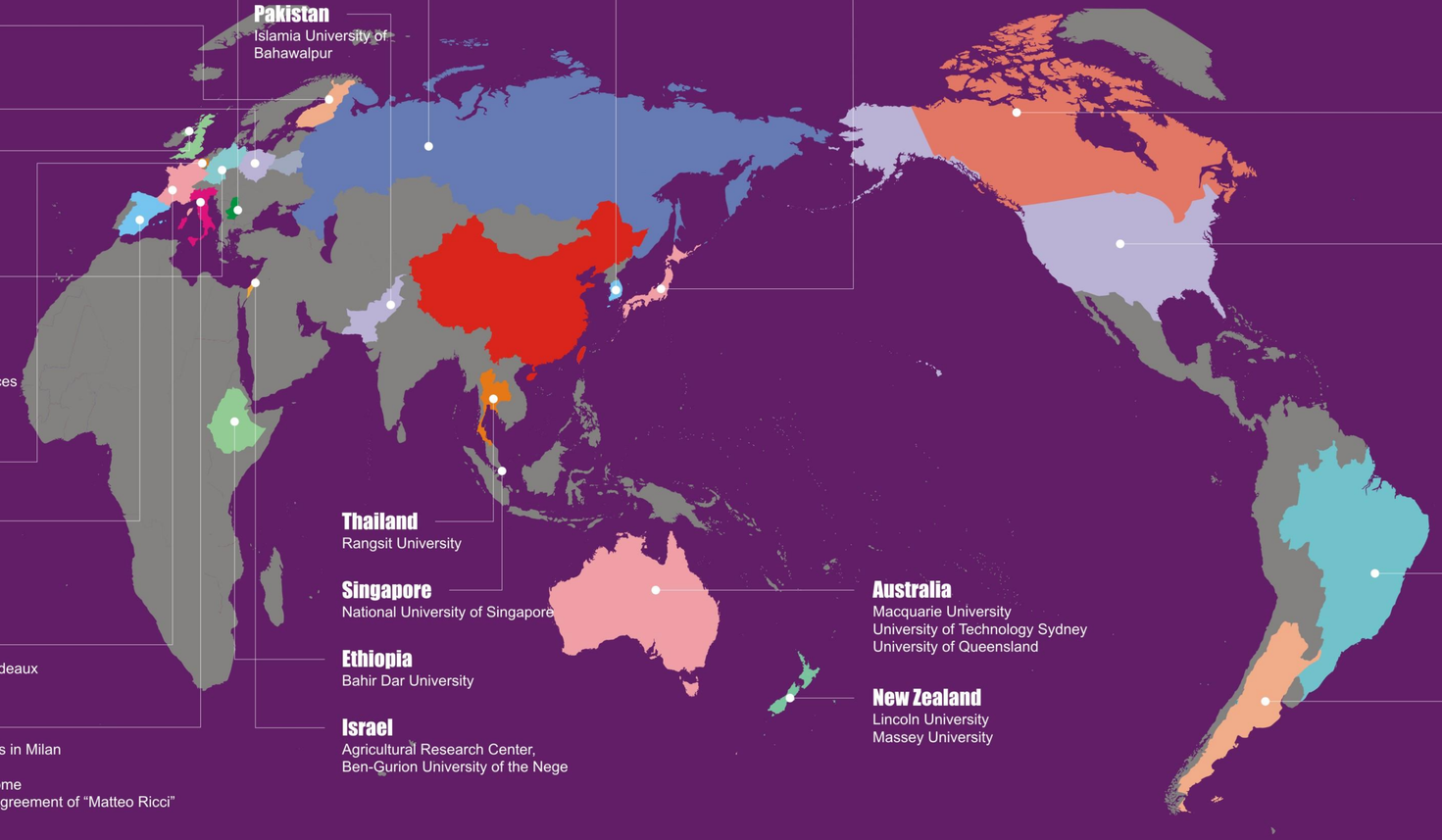
Study Exchange Programs

- Joint training program for master with University of British Columbia, Canada
- Joint training program for master with University of Nottingham, UK
- Joint training program for master with Purdue University, US
- Joint training program for master with Lincoln University, New Zealand
- Joint training program for master with Louisiana State University, US
- Joint training program for master with University of Perugia, Italy
- Joint training program for master with Leibniz Institute for Agricultural Development in Transformation Economies, Germany
- “2+2” double-degree joint training program for undergraduate with the University of Queensland, Australia
- “2+2” double-degree joint training program for undergraduate with the Macquarie University, Australia
- Combined bachelor–master program with National University of Singapore
- 3+2 Combined bachelor-master program with Massey University, New Zealand
- Exchange program and combined bachelor-master program with ICN Business School, France
- Combined bachelor-master program with University of Castilla La Mancha, Spain
- Master’s program at RWTH Aachen University, Germany
- Master’s program at University of Bristol, UK
- Exchange student program at University of Helsinki, Finland
- Exchange student program at Hiroshima University, Japan

INTERNATIONAL EXCHANGES

Map Content Approval No.: GS (2021) 5455
Supervised by the Ministry of Natural Resources, PRC

GLOBAL PARTNERS



Serbia
University of Novi Sad

Russia
Chuvash State University

Korea
Yong In University

Japan
Prefectural University of Hiroshima

Pakistan
Islamia University of Bahawalpur

Finland
Haaga–Helia University of Applied Sciences
Snow Panda Education and Research Consortium
University of Tampere
University of Vaasa

Poland
University of Gdansk

United Kingdom
University of Bristol
University of Chester
University of Nottingham

Germany
RWTH Aachen University
Dresden University of Technology
Leibniz Institute for Agricultural Development in Transformation Economies
Mediadesign University of Applied Science
Fachhochschule Bielefeld University of Applied Sciences
Goethe-University Frankfurt
Frankfurt School of Finance and Management

Belgium
Ghent University

Spain
University of Castilla La Mancha
Complutense University of Madrid
Polytechnic University of Madrid

France
National School of Architecture and Landscape of Bordeaux
Rennes School of Business
Y Schools

Italy
New Academy of Fine Arts in Milan
University of Perugia
Sapienza University of Rome
China-Italy Cooperation Agreement of “Matteo Ricci”

Thailand
Rangsit University

Singapore
National University of Singapore

Ethiopia
Bahir Dar University

Israel
Agricultural Research Center,
Ben-Gurion University of the Nege

Australia
Macquarie University
University of Technology Sydney
University of Queensland

New Zealand
Lincoln University
Massey University

Canada
Faculty of Forestry, University of British Columbia
Memorial University of Newfoundland

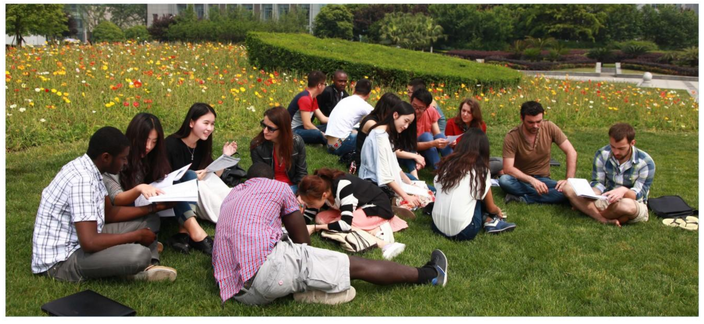
United States
University of California, Davis
Marquette University
University of Utah
University of Tennessee
Louisiana State University
Purdue University
Kansas State University

Brazil
Pedro II Federal Academy of Rio de Janeiro

Argentina
University of Buenos Aires


CAMPUS ACTIVITIES


新年音乐会




四川農業大學
МЦ
РОССИЯ
我們在
四
我
“长江—伏尔加河”高校联盟青年交流营
МОЛОДЕЖНЫЙ ЛАГЕРЬ АССОЦИАЦИИ ВУЗОВ «ВОЛГА–ЯНЦЗЫ»