ACS Chapter
Southwestern China

普洱学院
PU'ER UNIVERSITY

2024 ACS国际分会首届亚太地区高校学生学术海报竞赛

ACS International Sciences Chapters Inaugural Asia-Pacific Regional Higher Education Students' Academic Poster Competition

绿色普洱 · 多彩化学

Green Pu'er · Many Flavors of Chemistry

会议手册

Conference handbook

2024.3.20-23 | 中国·普洱

March 20-23, 2024 | Pu'er, China

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2024 ACS国际分会 首届亚太地区高校学生学术海报竞赛

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01 欢迎词
Welcome Address

为了全面贯彻党的二十大精神，深入实施科教兴国战略，强化现代化建设人才支撑，切实办好人民满意的教育，彻底贯彻落实中共中央办公厅、国务院办公厅印发的《关于新时代振兴中西部高等教育的意见》和云南省省委省政府普洱现场办公会精神、云南省“3815战略”，美国化学会（ACS）中国西南分会联合亚太ACS国际分会和普洱学院联合发起，普洱学院生物与化学学院承办的“首届“亚太地区高校学生学术海报竞赛”将于2024年3月20-23日在美丽的茶城-普洱举办。

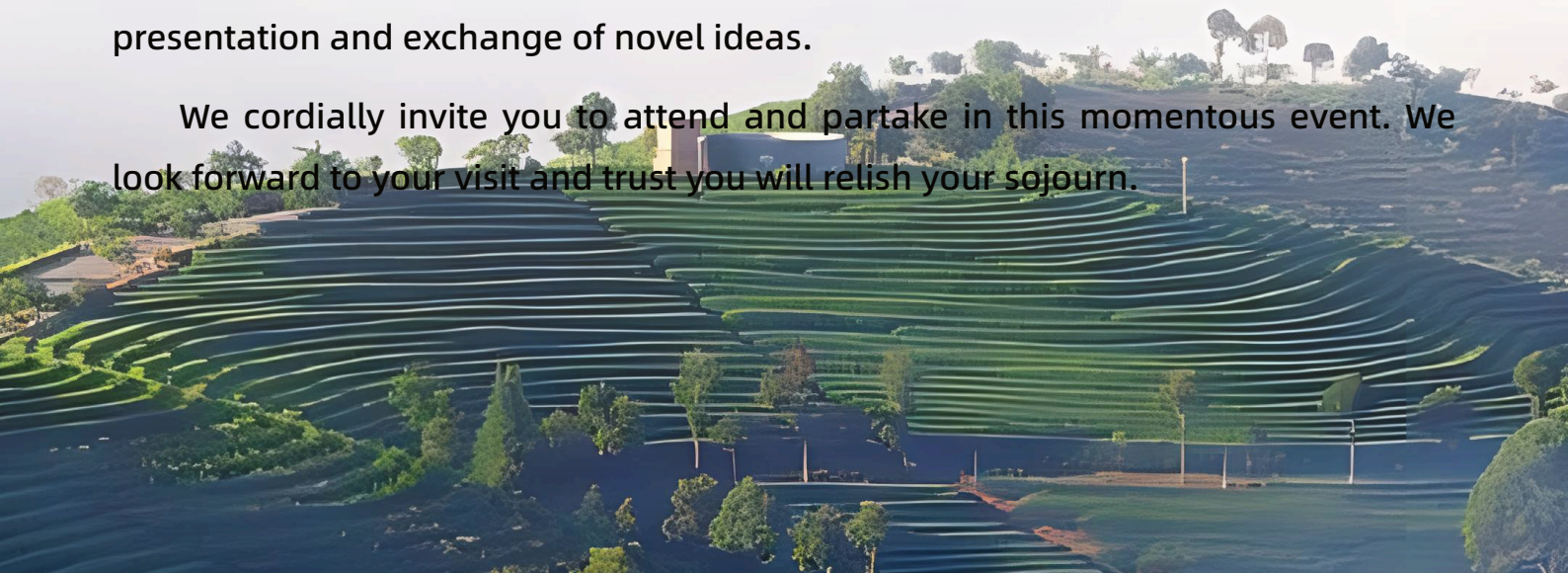
会议将邀请国内、马来西亚，新加坡，澳大利亚，韩国等多个亚太地区国家的学者国内外专家、学者作学术报告。本次竞赛旨在鼓励和表彰亚太地区高校学生在科学研究与创新领域的优秀成果，提供一个展示和交流的平台。

欢迎您的到来，盼您不虚此行！

In order to fully implement the spirit of the 20th National Congress of the Communist Party of China, deepen the implementation of the strategy of revitalizing the country through science and education, strengthen the support for modern talents cultivation, effectively provide education that satisfies the people, and thoroughly implement the "Opinions on Revitalizing Higher Education in the Central and Western Regions in the New Era" issued by the General Office of the Communist Party of China Central Committee and the General Office of the State Council, as well as the spirit of the on-site office meeting of the Yunnan Provincial Party Committee and Government in Pu'er and the "3815 Strategy" by Yunnan Province , the inaugural Academic Poster Competition for College Students in the Asian-Pacific Region is to be convened. This event is a collaborative endeavor by the American Chemical Society (ACS) Southwest China Chapter, the International Chapter of the Asia-Pacific ACS, and Pu'er University, with the latter's School of Biology and Chemistry serving as the host. The gathering will transpire in the scenic city of Pu'er from March 20th to 23rd, 2024.

The conference anticipates the esteemed presence of scholars and experts hailing from various nations across the Asia-Pacific region, including but not limited to China, Malaysia, Singapore, Australia, South Korea, and others, who will contribute with their academic discourses. The competition is designed to foster and acknowledge the exemplary accomplishments of university students within the scientific research and innovation domains, offering a prestigious forum for the presentation and exchange of novel ideas.

We cordially invite you to attend and partake in this momentous event. We look forward to your visit and trust you will relish your sojourn.



02 组织机构
Organizational Structure

主办单位/Host Institutions

ACS Chapter
Southwestern China

普洱学院
PU'ER UNIVERSITY

承办单位/Organizing Institutions

普洱学院 生物与化学学院
School of Biology and Chemistry, Pu'er College

昆明理工大学
KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY

四川轻化工大学
SICHUAN UNIVERSITY OF SCIENCE & ENGINEERING

大会组委会/Conference Committee

主　　席：马文会　普洱学院

Chairman: Prof. MA Wenhui, Pu'er University

副 主 席：范华军　四川轻化工大学

Vice-Chairman: Prof. FAN Huajun, Sichuan University of Science and Engineering

执行主席：田　洋　普洱学院

Executive Chairman: Prof. TIAN Yang, Pu'er University

美国化学学会（ACS）介绍

美国化学学会（American Chemical Society，简称ACS）是世界上最大的科学协会，ACS拥有分布于全球的200多个分会超过16万名会员，其目的是推动化学学科的进步和创新，以造福社会和我们生活的地球，其章程明确写道：“ACS应当同全世界科学家合作，使化学能够被应用于每一个人类的需求”。所以，ACS致力于寻找方案以应对人类共同面临的各种挑战，包括经济机会、能源与水资源储备和环境的可持续性等等。ACS在致力于促进多样性、平等、包容与尊重的进程中，其核心目标可以分为四大类：

1）研究与技术创新；

2）推进科学教育和科研队伍；

3）促进科学多样性；

4）推动环境的可持续性。

ACS每年组织多个国际会议，其中最有名的，也是最具有影响力的是每年举行两次涵盖化学各方向的年会，年会每年举办两次，分别在春季和秋季召开，参加人员为世界各国从事化学及相关领域的科研人员，是世界上影响力最大，涉及范围最广，参与人员最多的学术年会，每次会议参与人员都在8000-14000人之间。在这些会议中，聚集了科学家、研究者、学生与政策制定者来分享最新的科学成果。每年的主题都紧跟历史潮流和科研前沿，比如：“不断变化的世界与可持续性”、“利用数据的力量”、“提升化学”、“化学的交叉路口”。会议期间，参会人员在了解相关领域的研究成果与国际研究的发展动态，拓展了知识面，同时将自己的研究成果与国际同行分享并与其进行了深入交流。

Introduction of American Chemical Society (ACS)

The American Chemical Society (ACS), abbreviated as ACS, is the largest scientific association in the world. With over 200 local chapters and more than 160,000 members spread across the globe, ACS aims to promote the advancement and innovation of the field of chemistry for the betterment of society and our planet. Its charter explicitly states, "ACS should collaborate with scientists worldwide to apply chemistry to meet the needs of every human being." Therefore, ACS is committed to seeking solutions to various challenges faced collectively by humanity, including economic opportunities, energy and water resource sustainability, and environmental viability. In its dedication to fostering diversity, equality, inclusivity, and respect, ACS's core objectives can be categorized into four major areas:

1.Research and technological innovation;

2.Advancement of scientific education and research workforce;

3.Promotion of scientific diversity;

4.Promotion of environmental sustainability.

The ACS organizes multiple international conferences every year, with the most renowned and influential being the biannual general meetings that cover various fields of chemistry. These meetings, held in both spring and fall each year, attract researchers and professionals from around the world engaged in chemistry and related disciplines. They are among the largest and most impactful academic gatherings globally, typically drawing between 8,000 to 14,000 participants per event. These conferences serve as platforms for scientists, researchers, students, and policymakers to exchange the latest scientific findings. Each year's theme reflects current trends and cutting-edge research, such as "A Changing World for Sustainability," "Harnessing the Power of Data," "Advancing Chemistry," and "Intersections in Chemistry." During these meetings, attendees not only learn about the latest research developments in their respective fields and global research trends but also broaden their knowledge base. They also share their own research findings with international peers and engage in in-depth discussions and exchanges.

普洱学院介绍

普洱学院位于“一市连三国、一江通五邻”，14个世居民族聚居，被誉为“世界茶源 中国咖啡之都”的普洱市。学校始建于1978年，2012年3月经教育部批准升格为省属公办普通本科高校，2022年1月通过教育部本科教学工作合格评估。现有全日制在校学生13267人。

办学思路。以习近平新时代中国特色社会主义思想为指导，认真贯彻落实党的二十大精神和习近平总书记两次考察云南重要讲话精神，坚决贯彻党的教育方针政策，紧紧围绕国家“一带一路”建设、云南“一个跨越”和“三个定位”需求，坚持立足普洱、服务云南、面向全国、辐射南亚东南亚，明确地方性、区域性、应用型、国际化的办学定位，努力培养德智体美劳全面发展的社会主义建设者和接班人。

办学条件。占地面积2054亩，建筑面积26.28万㎡；固定资产总值为7.19亿元，教学科研仪器设备值为1.07亿元。图书馆馆藏纸质图书114.1万册；数字资源145万册，其中电子图书27万册。建有校外实验实训基地197个，建成绝版木刻精品馆、普洱生物多样性科学教育馆、“一带一路”创新创业实训基地、普通话测试中心等校内实验实训室105个，其中省级实验实训平台4个，学校应用型人才培养需要的实习实训条件持续改善。

人才培养。建校45年来，共向社会输送了近6.5万余名专业人才，学校被列为省级应用型人才培养示范高校。仅普洱市在职在编教师中就有3800余人为普洱学院毕业生，他们成为阻断贫困代际传递的中坚力量。傈僳族毕业生李金莲毕业后回到迪庆藏族自治州维西县偏远山村担任村官，毕业2年就被推选为十三届全国人大代表；普洱籍毕业生李江忠积极参与“一带一路”建设，成长为中老铁路有限公司副总经理，为中老友谊贡献了普院力量。

师资队伍。实施人才强校战略，着力引进培养高层次人才，持续强化师德师风建设，师资队伍数量、质量双提升。现有在岗教师724人，其中高级职称教师207人，博士教师34人，聘请刘仲华院士为学院名誉院长，拥有国家高层次人才计划、云南省“兴滇英才计划”以及中青年学术和技术带头人等各类人才称号教师30余人；认证“双师双能型”教师190名，师资队伍建设质量不断提升。

学科专业。立足自身优势，积极对接区域经济社会发展需求，构建特色鲜明、结构合理的应用性学科专业体系。现有14个二级学院，共开设42个本科专业，园林专业入选国家

卓越农林人才培养试点建设专业，美术学、历史学等24个专业在云南省专业综合评价中获评C等次，烹饪与营养教育等5个专业被评为省级一流本科专业建设点，茶学专业被评为省级新兴专业，智慧农业被列为云南省级新兴学科培育点。

科学研究。紧紧围绕地方经济社会发展突出问题开展科学研究，先后获批老挝研究中心国家级平台1个，云南咖啡品质优化及价值提升公共科技服务平台等省部级科研平台9个，云南省高校力学开放重点实验室等地厅级科研平台10个，建成2个院士工作站和普洱绿色经济发展研究院、绝版木刻研究院等一批内设研究机构；获批省级创新团队2个，地厅级科研团队21个。承担国家级和省部级项目共计48项；发表科研论文1300余篇，其中被SCI、CSSCI、SSCI、EI收录69篇，出版科研专著120余部，专利授权75件，获省部级奖励50余项。

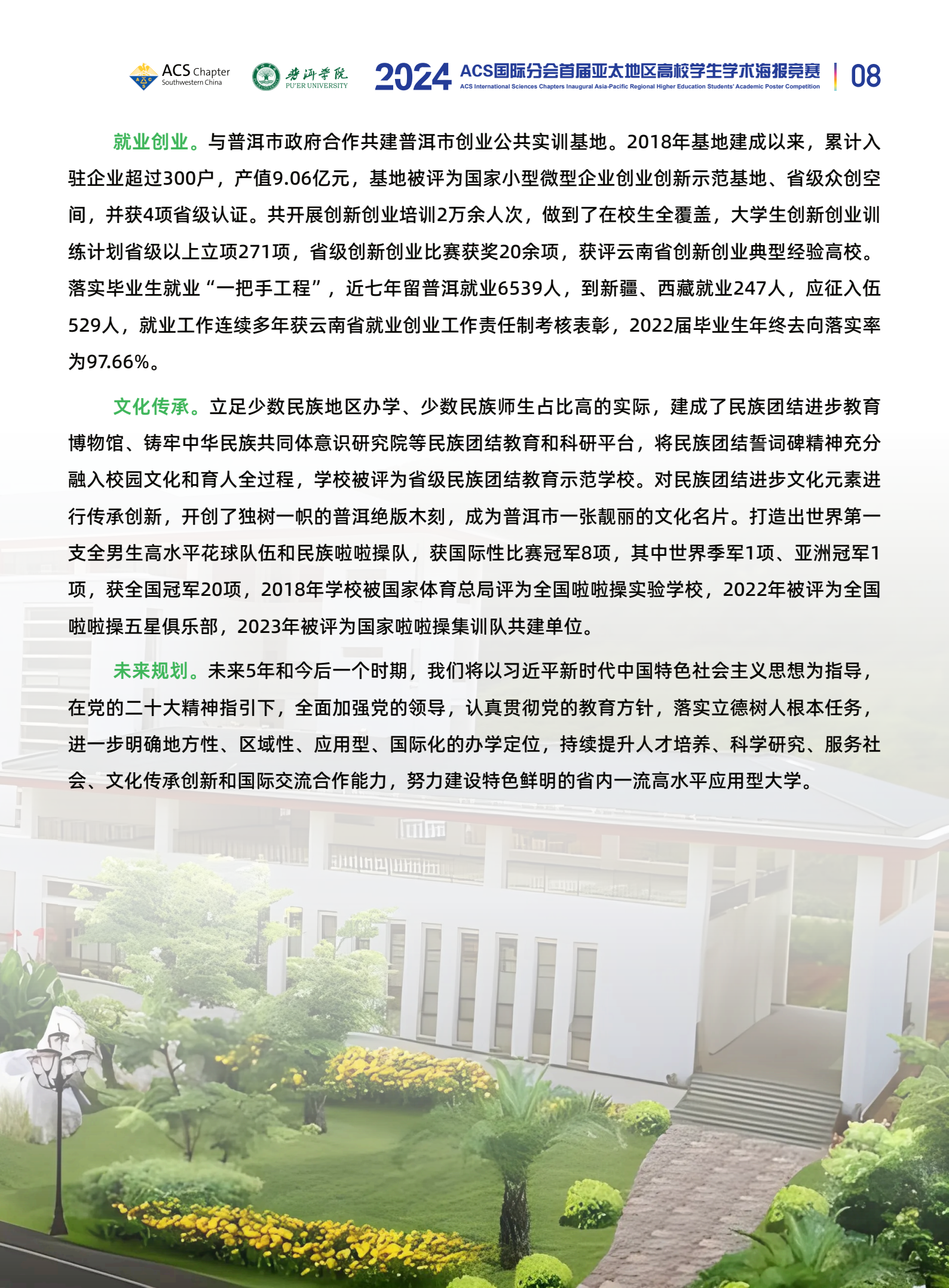
服务地方。尽锐出战脱贫攻坚，积极投身乡村振兴。派出驻村工作队员104人，定点帮扶挂钩点顺利脱贫摘帽，扶贫工作省级考评连续6年为好等次，2人获评云南省脱贫攻坚先进个人。与普洱市政府共建普洱绿色经济发展研究院，共同承办绿色经济论坛，开展绿色经济发展课题研究，全力推进普洱国家绿色经济试验示范区建设。建立那柯里·绝版木刻创新创业实践基地，推广普及农民版画，开展校园啦啦操项目，成功带动普洱市中小学啦啦操推广。

开放办学。坚持面向澜湄流域开放办学，与德国、英国、日本等国家建立了学术交流合作关系。学校现有留学生176人，累计招收留学生800余人，其中老挝留学生人数居全国前列，近三年软科“中国最好大学排名--学生国际化排名”位居全国第50位、全省第2位。建立东盟学院，开办老挝语等3个非通用语种专业。与泰国清莱皇家大学、老挝国立大学等高校合作，采用联合模式培养英泰、英老复语型人才、汉语国际教育人才近千人。2022年底，学校联合东软集团、老挝苏发努冯大学共建中国第一个“一带一路”国际数字产业学院。主办首届澜湄教育合作论坛，成功举办两届泰北地区汉语演讲比赛，在国内外产生良好的影响。

就业创业。与普洱市政府合作共建普洱市创业公共实训基地。2018年基地建成以来，累计入驻企业超过300户，产值9.06亿元，基地被评为国家小型微型企业创业创新示范基地、省级众创空间，并获4项省级认证。共开展创新创业培训2万余人次，做到了在校生全覆盖，大学生创新创业训练计划省级以上立项271项，省级创新创业比赛获奖20余项，获评云南省创新创业典型经验高校。落实毕业生就业“一把手工程”，近七年留普洱就业6539人，到新疆、西藏就业247人，应征入伍529人，就业工作连续多年获云南省就业创业工作责任制考核表彰，2022届毕业生年终去向落实率为97.66%。

文化传承。立足少数民族地区办学、少数民族师生占比高的实际，建成了民族团结进步教育博物馆、铸牢中华民族共同体意识研究院等民族团结教育和科研平台，将民族团结誓词碑精神充分融入校园文化和育人全过程，学校被评为省级民族团结教育示范学校。对民族团结进步文化元素进行传承创新，开创了独树一帜的普洱绝版木刻，成为普洱市一张靓丽的文化名片。打造出世界第一支全男生高水平花球队伍和民族啦啦操队，获国际性比赛冠军8项，其中世界季军1项、亚洲冠军1项，获全国冠军20项，2018年学校被国家体育总局评为全国啦啦操实验学校，2022年被评为全国啦啦操五星俱乐部，2023年被评为国家啦啦操集训队共建单位。

未来规划。未来5年和今后一个时期，我们将以习近平新时代中国特色社会主义思想为指导，在党的二十大精神指引下，全面加强党的领导，认真贯彻党的教育方针，落实立德树人根本任务，进一步明确地方性、区域性、应用型、国际化的办学定位，持续提升人才培养、科学研究、服务社会、文化传承创新和国际交流合作能力，努力建设特色鲜明的省内一流高水平应用型大学。



Introduction to Pu'er University

Pu'er University is located in Pu'er City in Yunnan Province, a city known as the "Cradle of World's Teas" and "China's Coffee Capital". Pu'er City is home to 14 long-dwelling ethnic groups and the neighbor of three ASEAN countries (Laos, Myanmar and Vietnam). Lancang-Mekong River drains through the city and connects it with five ASEAN nations (Laos, Myanmar, Thailand, Cambodia and Vietnam). Pu'er University was founded in 1978 and was upgraded to a provincial-level public undergraduate university with the approval of the Ministry of Education of PRC in March 2012. In January 2022, it was certified in the qualification evaluation of undergraduate teaching by the Ministry of Education of PRC. As of the current date, Pu'er University boasts an enrollment of 13,267 full-time students.

Education Philosophy. Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we conscientiously implement the spirit of 20th National Congress of the Communist Party of China and the spirit of important speeches during the two inspections on Yunnan Province by the General Secretary Xi Jinping. We firmly implement the Party's education policies, and our development evolves around and goes in line with the nation's construction of the "Belt and Road" as well as the needs of "one leap" and "three positioning" of Yunnan Province. Also, we adhere to set our root in Pu'er, serve Yunnan Province while facing the whole country and radiating to South Asia and Southeast Asia. We clarify our educational positioning as a localized, regionalized, applied, and internationalized university. On this basis, we strive to cultivate socialist builders and successors with all-round development in morality, intelligence, physical fitness, aesthetics, and labor.

Educational Facilities. Covering an area of 136.8 hectares and a floorage of 262,800 square meters, the total value of our fixed assets is up to 719 million yuan, and the instrument value of teaching and research equipment reaches 107 million yuan. Our library hosts 1.141 million volumes of paper books; 1.45 million volumes of digital resources, including 270,000 e-books. There are 197 off-campus and 105 on-campus experiment and training bases, including Exhibition Hall of Selected Pu'er Reduction

Woodcut Prints, Biodiversity Science Museum, State Entrepreneurship Practice Base under the "Belt and Road Initiative", Mandarin Testing Center, etc. Among them, there are four provincial-level experiment and training platforms. For years, our practice and training conditions for training application-oriented talents has improved steadily.

Talent Cultivation. Over the past 45 years since its establishment, Pu'er University has delivered nearly 65,000 professional talents to society and has been listed as a provincial-level demonstration university for the cultivation of applied talents. In Pu'er City alone, there are more than 3,800 in-service and in-budgeted-posts teachers who graduated from Pu'er University and have become the backbone to stop the inter-generational transmission of poverty. Take Li Jinlian, a Lisu graduate as an example. After graduation, she returned to a remote mountain village in Weixi County, Diqing Tibetan Autonomous Prefecture to serve as a village official. Two years later, she was elected as a representative of the 13th National People's Congress; Li Jiangzhong, another graduate growing up in Pu'er, has now become the deputy general manager at China-Laos Railway Company, who actively participated in the construction of the "Belt and Road" and contributed to the friendship between China and Laos.

Teaching staff. We implement the strategy of strengthening the university with talents, and make efforts to introduce and train high-level talents and enhance the construction of teachers' ethics and manners. Both the quantity and quality of our teaching staff have been promoted. Currently, there are 724 teachers on duty in our university, including 207 with senior title and 39 with Doctor's Degree. More than 30 of our staff possess various titles, listed among National High-level Talent Program, Thriving Yunnan Talent Program, Young and Middle-Aged Academic and Technical Foregoers, etc; and 190 are certified as Double Professionally-Titled Teachers. Besides, Academician Liu Zhonghua is invited as our honorary president. The quality of our teaching staff construction has been continuously improved.

Disciplines & Specialties. Based on our own advantages, we work actively to meet the needs of regional economic and social development, setting up a new system of applied disciplines and specialties with distinctive characteristics and reasonable

structure. At present, there are 14 secondary colleges in our university, offering a total of 42 undergraduate majors. Among them, Landscape Architecture has been listed as the pilot construction major of national outstanding agriculture and forestry talent training; 24 majors, such as Fine Arts and History, have been rated as Grade C in the comprehensive professional evaluation of Yunnan Province; five majors, including Culinary and Nutrition Education, have been referred to as provincial first-class undergraduate professional construction sites; Tea Science has been voted as a provincial-level emerging major; and Smart Agriculture is listed as an emerging discipline cultivation site in Yunnan Province.

Academic Achievements. Conducting academic research closely around prominent issues in local economic and social development, we have successively obtained approval for setting up the Laos Research Center, a national-level platform; nine provincial and ministerial level scientific research platforms represented by Yunnan Coffee Quality Optimization and Value Enhancement Public Science and Technology Service Platform; ten provincial and ministerial level scientific research platforms, including the Open Key Mechanics Laboratory in Universities of Yunnan; as well as two academician workstations and a number of internal research institutions, including Pu'er Green Economy Development Research Institute and Selected Pu'er Reduction Woodcut Prints Research Institute. We have been granted with two provincial-level innovation teams and 21 prefecture- level scientific research teams. Besides, we have undertaken 48 national and provincial academic research projects and published more than 1,300 scientific research papers, of which 69 have been included by SCI, CSSCI, SSCI and EI. More than 120 scientific research monographs have been published, 75 research findings have been authorized as patents and over 50 have won provincial and ministerial awards.

Social Service. We have made every effort to fight poverty in the local areas and actively participated in rural revitalization. In recent years, 104 of our colleagues have been sent to villages to help the corresponding areas get rid of poverty successfully. The provincial evaluation of our poverty alleviation work has been rated as excellent for six years in succession, and two members are awarded as Outstanding Delegates in poverty

alleviation in Yunnan Province. In addition, by working jointly with the municipal government, we set up Pu'er Green Economy Development Research Institute, hosted the Green Economy Forum, and carried out countless researches on green economy development, which has vigorously promoted the development of Pu'er as the National Green Economy Pilot Demonstration Zone. What's more, we established Nakeli Selected Pu'er Reduction Woodcut Prints Innovation and Entrepreneurship Practice Base, which has expanded the popularization of peasant woodcut prints. Also, our campus cheerleading project has enhanced the popularity of cheerleading in primary and secondary schools in Pu'er.

International Cooperation. We have a campus open to all universities from Lancang-Mekong River Basin. Meanwhile, we have established academic exchanges and cooperation with universities from Germany, UK, Japan and other countries. There are currently 176 international students studying in our university, reaching a cumulative total of more than 800 international graduates. The quantity of our Laotian students ranks among the top in China. In recent three years, our university is ranked the 50th nationally and the 2nd provincially in terms of international students, according to ShanghaiRanking. The School of ASEAN Studies offers three non-common language majors including Lao language. In cooperation with Chiang Rai Rajabhat University in Thailand and the National University of Laos and other universities, nearly 1,000 English-Thai and English-Lao multilingual talents and Chinese international education talents have been trained jointly. At the end of 2022, together with Neusoft Corporation and Souphanouvong University in Laos, we established China's first the "Belt and Road" International Digital Industry School. We hosted the first Lancang-Mekong Education Cooperation Forum and successfully held two Chinese speech contests in northern Thailand, both of which are warmly received at home and abroad.

Employment & Entrepreneurship. By cooperating with Pu'er municipal government, we launched the Public Training Base of Pu'er City for Entrepreneurship. Since the completion of the base in 2018, more than 300 enterprises have been settled

here, with an output value of 906 million yuan. The base has been awarded as a National Demonstration Base for Entrepreneurship and Innovation of Small and Micro Enterprises and a Provincial Maker Space, and has been granted four provincial certifications. A total of more than 20,000 students have participated in the innovation and entrepreneurship training here, benefiting all students on campus. With 271 projects of innovation and entrepreneurship training programs for college students approved at or above the provincial level, and wining more than 20 prizes in provincial innovation and entrepreneurship competitions, our university has been awarded the Typical Experienced University of Innovation and Entrepreneurship in Yunnan Province.

We take our graduates' employment as our top priority. In the past seven years, 6,539 graduates have been employed in Pu'er, 247 in Xinjiang and Xizang, and 529 have been recruited into the army. For many consecutive years, under Yunnan Province's Assessment of Employment and Entrepreneurship Responsibility System, our work in graduates' employment has been valued highly. The employment of our graduates in 2022 reached 97.66%.

Cultural Inheritance. Based on the reality that we are located in ethnic minority areas and we have a high proportion of ethnic minority teachers and students, we have built ethnic unity education and research platforms such as the Exhibition Hall of Ethnic Unity and Progress and the Research Institute for Strengthening the Consciousness of the Chinese National Community. The spirit of ethnic unity is fully integrated into our campus culture and the whole process of teaching and learning, hence our university is rated as a provincial demonstration school for ethnic unity education. The inheritance and innovation of the cultural elements of ethnic unity and progress have given birth to the unique selected Pu'er reduction woodcut prints, a splendid cultural business card of Pu'er city.

Besides, we have established the world's first all-boys high-level cheer-leading aerobics team, winning eight international competition championships, including one world second runner-up and one champion of Asia, as well as 20 national champions. Our university was awarded as the National Cheer-leading Experimental School by the State General Administration of Sport of the PRC in 2018. In 2022, we were honored as the National Five-Star Club of Cheer-leading Aerobics, and then the co-builder of the National Cheer-leading & Aerobics Team in 2023.

Future Perspective. In the next five years and the coming period, we will keep following the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics in the New Era and the spirit of the 20th CPC National Congress, comprehensively strengthen the leadership of the CPC, conscientiously carry out the Party's education policies, implement the fundamental task of cultivating talents with moral character, and carry on further the positioning to run our university as a localized, regionalized, applied and internationalized one. We will also continue to enhance our ability in talent cultivation, academic research, social service, cultural inheritance and innovation, and international exchanges & cooperation, and endeavor to build a first-class and high-level application-oriented university with distinctive characteristics.

03 参会须知
Conference Attendance Guidelines

会议报到/Check-In

报到地点：普洱茶灵酒店（普洱市思茅区镇沅路文庭雅苑西北侧约30米）

联系电话：+86-879-2888222

报到时间：2024年3月20日09:00-21:00

Location: Pu'er Cha Ling Hotel (Approximately 30 meters northwest of Wenting Yayuan), Zhenyuan Road, Simao District, Pu'er City

Contact Number: +86-879-2888222

Check-In Time: March 20, 2024, 09:00-21:00.

会议时间/Schedule

首届亚太地区高校学生学术海报竞赛：2024年3月21-22日

会议地址：普洱学院志远楼学术报告厅

Time: March 21-22, 2024

Venue: Academic Lecture Hall, Zhiyuan Building, Pu'er University

会议住宿/Accommodation

普洱茶灵酒店：标间328元/间/天、单间328元/间/天、在酒店大堂总台交费、开具发票，下午14:00前退房。

Pu'er Cha Ling Hotel:Standard Room: CNY 328, per room per day;Single Room: CNY 328, per room per day

Note: Payment is to be conducted at the hotel reception, where provisional invoices will be furnished. Guests are required to vacate their rooms by 14:00 in the afternoon.

会议用餐/Meals

参会代表用餐餐券将放在报到时发放的资料袋内，每人一份，请大家妥善保管，遗失不补。

会议用餐安排一览表

日期	餐叙	时间	地点
3月20日	晚餐	18:00-20:00	普洱学院教职工食堂一楼
3月21日	早餐	07:00-10:00	普洱茶灵酒店2楼自助餐厅
3月21日	午餐	11:30-14:00	普洱学院教职工食堂一楼
3月21日	晚餐	17:20-20:00	普洱茶灵酒店宴会厅
3月22日	早餐	07:00-10:00	普洱茶灵酒店2楼自助餐厅
3月22日	午餐	11:50-14:30	普洱学院教职工食堂一楼
3月22日	晚餐	18:00-20:00	普洱学院教职工食堂一楼

Delegates participating in the event will be provided with meal coupons, which will be distributed within the registration packet. Each individual is entitled to one coupon. It is imperative that this coupon is securely kept as lost or misplaced vouchers cannot be replaced.

Conference Dining Schedule

Date	餐叙	Banquet	Dining Venue
March 20th	Dinner	18:00-20:00	Faculty and Staff Cafeteria of Pu'er University
March 21st	Breakfast	07:00-10:00	Cafeteria on the 2nd floor of Cha Ling Hotel
March 21st	Lunch	11:30-14:00	Faculty and Staff Cafeteria of Pu'er University
March 21st	Dinner	17:20-20:00	Banquet Hall of Cha Ling Hotel
March 22nd	Breakfast	07:00-10:00	Cafeteria on the 2nd floor of Cha Ling Hotel
March 22nd	Lunch	11:50-14:30	Faculty and Staff Cafeteria of Pu'er University
March 22nd	Dinner	18:00-20:00	Faculty and Staff Cafeteria of Pu'er University

会议发票/Invoice

本次会议注册费开具增值税普通电子发票，于现场报到时开具，发票将发送到注册预留的邮箱及手机号。

The registration fee for this conference shall be accompanied by a standard electronic VAT invoice. This document will be made available on-site during the check-in process and shall be subsequently forwarded to the email address and mobile number provided at the time of registration.

会议证件/Conference Badge

会议期间，仅通过注册的参会代表可进入会议场所，为便于身份识别，请参会代表佩戴“参会证”出入所有场所。

Admission to the conference venues during the duration of the event is strictly limited to registered delegates only. To facilitate identification, it is imperative that all delegates visibly display their Conference Badge while accessing any area within the premises.

会议医疗服务/Medical Services

本次会议设置紧急医疗服务处理，如有需要，请联系报到处或咨询志愿者。

紧急医护联系人：李医生，电话：18087919811。

Comprehensive emergency medical services are provided throughout the duration of the conference. In the event of a medical need, delegates are advised to promptly contact the registration desk or seek assistance from the on-site volunteers.

Emergency Medical Liaison: Dr. Li, -86+18087919811

会议志愿者服务/Volunteer Services

本次会议有志愿者及工作人员为大会提供服务，将穿着统一服饰及佩戴工作人员胸牌。如有问题可咨询自愿者寻求帮助。

Conference volunteers and staff members, identifiable by their uniform attire and name badges, are present to provide assistance throughout the event. In case of any questions or requirements, delegates are encouraged to proactively engage with these individuals for support.

会议联系方式/Conference Contact Information

会务联系人： 张老师 15348798859（中宾）
董老师 13887986855（外宾）
万老师 13150716309（外宾）

秘书处联系人： 郑老师 13628793428
赵老师 18287432406

会议服务公司： 郑 泽 15368064680（注册、发票、住宿）
秦烨桐 15185397005（会场管理）
李 宇 18087800020（会场管理）
Wechat/QQ：1300533299

大会联系邮箱： zhaolijuan@peu.edu.cn

Conference Liaisons: Ms. Zhang (for Chinese Participants): +86 15348798859
Ms. Dong (for International Participants): +86 13887986855

Secretariat: Ms. Zheng: +86 13628793428
Ms. Zhao: +86 18287432406

Contact Information Of Service Company:

Mr. Zheng Ze : +86 15368064680 (Registration, Invoices, Accommodation)

Mr. Qin Yetong : +86 15185397005 (Venue Management)

Mr. Li Yu : +86 18087800020 (Venue Management)

Wechat/QQ: 1300533299

Official Email: zhaolijuan@peu.edu.cn

会议满意度调查/Conference Satisfaction Survey

亚太地区高校学生学术海报竞赛是每年举办一次，为进一步办好大会，提高会议水平，请每位参会者在会议官网填写问卷并2024年3月23日晚18:00前提交问卷，谢谢！

The Asia-Pacific Regional Academic Poster Competition for University Students is held annually. In order to better organize the conference and enhance its quality, we kindly request all attendees to complete the survey on the conference official website and submit it before 6:00 PM on March 23, 2024. Thank you!

壁报交流/Poster Presentation Guidelines

本次大会墙报采用“线上墙报”和“线下墙报”相结合的方式共同展示，要求全体投稿“墙报装展示”的参会嘉宾均需要同时参加线上墙报展示。

The conference will feature a combination of online and on-site poster presentations. All participants who are presenting posters on-site are required to also participate in the online poster presentation.

注意事项/Important Notices

1、请会议代表认真阅读《会议手册》内容，提前熟悉会场，以免影响您参会和就餐。

2、会议期间请各位嘉宾携带好随身物品，避免丢失。

3、会议期间，请将手机设为静音或者震动。

4、请注意宾馆安全提示，做好防火工作。

1.Conference delegates are kindly advised to carefully read the contents of the "Conference Handbook" and familiarize themselves with the venue in advance to avoid any inconvenience during your participation and meals.

2.Please ensure you carry your personal belongings with you at all times during the conference to prevent loss.

3.During the conference, kindly switch your mobile phones to silent or vibrate mode.

4.Please pay attention to the safety reminders at the hotel and take necessary precautions for fire safety during your stay.

会议交通/Conference Transportation

本次会议为参会代表在思茅机场、普洱高铁站、昆明长水机场设置了志愿者引导服务

昆明长水国际机场志愿者引导服务联系人：姓名：万小涵　电话：131 5071 6309

For this conference, shuttle services will be provided for delegates arriving at Simao Airport and Pu'er High-speed Railway Station. Volunteer guidance services will be available for delegates arriving at Kunming Changshui International Airport.

Contact person for volunteer guidance services at Kunming Changshui International Airport:**Name: Wan Xiaohan　Phone number: 131 5071 6309**

普洱思茅机场参会路线

乘坐公交车（约1小时）：普洱思茅机场步行590米--交通路站上（2路车）--普洱学院方向乘坐18站--到达普洱学院

乘坐出租车（约30分钟）：普洱思茅机场航站楼出口--普洱学院

Route from Pu'er Simao Airport:

By bus (approximately 1 hour):

Walk 590 meters from Pu'er Simao Airport to Jiaotong Road Bus Stop, take Bus No.2 towards Pu'er College direction for 18 stops, and arrive at Pu'er University.

By taxi (approximately 30 minutes):

Exit the terminal of Pu'er Simao Airport and take a taxi to Pu'er University.

普洱高铁站参会路线

乘坐公交车（耗时约51分钟）：普洱火车站上（3路车）--乘坐7站--市道路运输管理局站下车--换乘（2路车）--乘坐9站到达普洱学院

乘坐出租车（耗时约20分钟）：普洱火车站出站口--普洱学院

Conference Route from Pu'er High-speed Railway Station

By bus (approximately 51 minutes):

Taking Bus No. 3 for 7 stops from Pu'er Railway Station to the station “the Municipal Road Transportation Management Bureau”, then transfering to Bus No.2 for 9 stops to the station “ Pu'er University”.

By taxi (approximately 20 minutes):

Taking a taxi from the exit of Pu'er Railway Station to Pu'er University.

04 会议日程
Conference Schedule

会议地点一览表
Overview Schedule

日期 Date	时间 Time	内容 Contents	地点 Location
3月20日 March 20th	全天 All day	嘉宾报到 Check-in for the Guests	茶灵酒店 Cha Ling Hotel
3月21日 March 21st	08:20-09:00	大会开幕式 Opening Ceremony	致远楼报告厅 Lecture Hall, Zhiyuan Building
	08:20-08:25	播放普洱学院宣传片 Appreciation of the Advertising Video--Pu'er University	
	08:25-08:30	ACS主席Prof. Mary K. Carroll致辞 Speech by Prof. Mary K. Carroll, the Chairman of ACS	
	08:30-08:40	云南省教育厅领导致辞 Speech by the leader(s) of Yunnan Provincial Department of Education	
	08:40-08:50	普洱学院党委书记胡国云致辞 Speech by Mr.Hu Guoyun, the Secretary of the Party Committee of Pu'er University	
	08:50-08:55	ACS 中国战略与科学发展总监郑春晓博士线上致辞 Online Speech by Dr.Zheng Chunxiao, the Director of Strategy and Scientific Development at ACS China	
	08:55-09:00	ACS西南分会主席、四川轻化工大学范华军教授致辞 Speech by Fan Huajun, the Professor of Sichuan University of Light Industry and Chemical Technology and the Chairman of ACS Southwest Branch	
	09:00-09:30	合影&茶歇 Group Photo, Tea Break	
	09:30-11:30	邀请报告 Speech by the keynote speakers	

日期 Date	时间 Time	内容 Contents	地点 Location
3月21日 March 21st	11:30-14:00	午餐 Lunch	教职工食堂 Canteen of Faculty and Staff
	14:00-15:40	学术报告第一场 First Session of Academic Presentation	致远楼报告厅 Lecture Hall, Zhiyuan Building
	15:40-16:00	墙报展示 & 茶歇 Poster Presentation & Tea Break	
	16:00-17:20	学术报告第二场 Second Session of Academic Presentation	
	17:20-20:00	晚宴 Dinner Banquet	茶灵酒店宴会厅 Banquet Hall,Chaling Hotel
3月22日 March 22nd	08:30-09:55	学术报告第三场 Third Session of Academic Presentation	致远楼报告厅 Lecture Hall, Zhiyuan Building
	09:55-10:15	茶歇 Tea Break	
	10:15-11:30	学术报告第四场 Fourth Session of Academic Presentation	
	11:30-14:00	午餐 Lunch	教职工食堂 Canteen of Faculty and Staff
	14:30-15:00	ACS西南分会主席范华军教授宣布获奖名单 Winners Announced by Prof.Fan Huajun, Chairman of ACS Chapter of Southwestern China	致远楼报告厅 Lecture Hall, Zhiyuan Building
	15:00-16:00	优秀学术海报汇报交流 Presentation and Exchange of the Excellent Academic Posters	
	16:00-16:10	田洋副校长致闭幕词 Closing Remarks by Prof. Tian Yang, the the Vice Principal of Pu'er University	
	16:10-17:30	参观学校教学科研平台 Facility Visiting on the Teaching and Research Platform of Pu'er University	
	18:00-20:00	晚餐 Dinner	教职工食堂 Canteen of Faculty and Staff
3月23日 March 23rd	全天 All day	自行返程 Hotel Check-out and Departure	

会议议程/Conference Agenda

邀请报告/Keynote Speech

时间：2024年3月21日09:30-11:30　主持人：田　洋 教授　地点：致远楼报告厅

Time: 09:30-11:30, March 21, 2024

Host: Prof. Tian Yang

Venue: Lecture Hall, Zhiyuan Building

时间 Time	题目 Title	报告人 Speaker	单位 Organization
09:30-10:00	邀请报告1：P型单晶硅棒RCZ制备关键技术研究 Keynote Speech 1: Research on Key Technologies for the RCZ Preparation of P-type Monocrystalline Silicon Rod	马文会 教授 Prof. Ma Wenhui	普洱学院 Pu'er University
10:00-10:30	邀请报告2：数字赋能白酒产业，科技引领绿色发展 Keynote Speech 2: Digitally Empowering the Chinese Baijiu Industry, Technologically Leading the Green Development	罗惠波 教授 Prof.Luo Huibo	四川轻化工大学 Sichuan University of Science and Engineering
10:30-11:00	邀请报告3：新型有机氯胺活化工艺对水中新污染物的降解效能与机理 Keynote Speech 3: Novel Organic Chloramine Activation Process for Water Decontamination: Efficiency and Mechanism	郭洪光 教授 Prof. Guo Hongguang	四川大学 Sichuan University
11:00-11:30	Invitation Report 4: Chemical Looping Technologies for Chemicals Production	祝星 教授 Professor Zhu Xing	昆明理工大学 Kunming University of Science and Technology

学术报告第一场/First Session of Academic Presentation

时间：2024年3月21日14:00-15:40　主持人：范华军 教授　地点：致远楼报告厅

Time: 14:00-15:40, March 21, 2024

Host: Prof. Fan Huajun

Venue: Lecture Hall, Zhiyuan Building

时间 Time	题目 Title	报告人 Speaker	单位 Organization
14:00-14:20	学术报告1：云南特色食药同源资源生物制造及产业化 Academic Presentation 1:Bio-Manufacturing and Industrialization of Characteristic Food and Medicine Homologous Resources in Yunnan	田洋 教授 Prof. Tian Yang	普洱学院 Pu'er University
14:20-14:40	Academic Presentation 2: Green Pu'er and Many Chemical Flavors	Dr. Stephen Clarke	ACS Chapter of Australia Change Climate Pty. Ltd.
14:40-15:00	学术报告3：双重比率型荧光探针在分析化学中的应用研究 Academic Presentation 3: Application Research of Dual Ratio Fluorescent Probes in Analytical Chemistry	曹秋娥 教授 Prof. Cao Qiu'e	云南大学 Yunnan University
15:00-15:20	Academic Presentation 4: Effect of Diaminoethanetetraacetic Acid (EDTA) on the Performance of Polyacrylonitrile Membrane	Dr. Chan mieow kee	SEGi University
15:20-15:40	学术报告5：退役光伏组件绿色分离及增值回用研究进展 Academic Presentation 5:Research on Green Separation and Value-added Reuse of Retired Photovoltaic Modules	李绍元 教授 Prof. Li Shaoyuan	昆明理工大学 Kunming University of Science and Technology

学术报告第二场/The Second Session of Academic Presentation

时间：2024年3月21日16:00-17:20　主持人：李绍元 教授　地点：致远楼报告厅

Time: 16:00-17:20, March 21, 2024

Host: Prof. Shaoyuan Li

Venue: Lecture Hall, Zhiyuan Building

时间 Time	题目 Title	报告人 Speaker	单位 Organization
16:00-16:15	学术报告1：磁性离子印迹材料选择性分离典型重金属研究 Academic Presentation 1:Research on Selective Separation of Typical Heavy Metals by Magnetic Ion Imprinting Materials	聂陟枫 教授 Prof. Nie Zhifeng	昆明学院 Kunming University
16:15-16:30	Academic report 2: Nano-dimensional Smart Materials in Asymmetric Supercapacitors for Energy Storage	Dr. Mohammad Zain Khan	Aligarh Muslim University
16:30-16:45	Academic Report 3: Synergistic effects of microwave-assisted extraction parameters on Basella alba polysaccharides and their potential antioxidant and anti-diabetic properties	Dr. Kian Hui Chin	American Chemical Society Universiti Sains Malaysia International Student Chapter
16:45-17:00	Academic report 4: A Molecular Imprinting-Based Smart Syringe for an Efficient and Selective Extraction of Potent Medicinal Compounds from Plant Extracts	Dr. Muhammad Imran Malik	TWC, HEJ, ICCBS, University of Karachi
17:00-17:15	Academic report 5: Synthesis of 1,3,5-triazines using multicomponent microwave-assisted reactions	Dr.Anton Dolzhenko	Monash University Malaysia

学术报告第三场/Third Session of Academic Presentation

时间：2024年3月22日08:30-10:10　主持人：董雅洁 副教授　地点：致远楼报告厅

Time: 08:30-10:10, March 22, 2024

Host: Associate Prof. Dong Yajie

Venue: Lecture Hall, Zhiyuan Building

时间 Time	题目 Title	报告人 Speaker	单位 Organization
08:30-08:45	Academic Presentation 1: Novel purification platform based on multimodal preparative separation of mAb fragments and aggregates	Dr.Rashmi Sharma	Indian Institute of Technology, Delhi
08:45-09:05	学术报告2：快速发展的基因技术产业 Academic Presentation 2: Rapid Evolving Gene Technology	卢 涛 CEO Tao Lu, CEO	诺瀚康实验室 Nohanco Laboratories
09:05-09:30	Academic Presentation 3: Innovative Approaches Utilising Metal-Based Photosensitisers for Enhanced Anticancer and Antibacterial Photodynamic Treatment	Dr. May Lee LOW	UCSI University Kuala Lumpur
09:30-09:50	学术报告4：低浓度透平烟气二氧化碳捕集工艺研究 Academic Presentation 4：Research on the Capture Process of Low Concentration Turbine Smoke Carbon Dioxide	李磊 教授 Prof. Li Lei	四川轻化工大学 Sichuan University of Science and Engineering
09:50-10:10	Academic Presentation 5: Constructing Multi-Resonance TADF Emitters for Organic LEDs: A Computational Investigation	Dr. Sanyam	Ndian Institute of Technology, Gandhinagar, India

学术报告第四场/Third Session of Academic Presentation

时间：2024年3月22日10:15-11:30　　主持人：张建强 教授　　地点：致远楼报告厅

Time: 10:15-11:30, March 22, 2024

Host: Prof. Zhang Jianqiang

Venue:Lecture Hall, Zhiyuan Building

时间 Time	题目 Title	报告人 Speaker	单位 Organization
10:15-10:30	Academic Presentation1:Gold Dog Bone Nanoparticle-Mediated Chemo-Photothermal Therapy Impairs Powerhouse to Trigger Apoptosis in Cancer Cells	Jaypalsing Ingle	Indian Institute of Technology (IIT) Gandhinagar
10:30-10:50	学术报告2：植物提取物复配缓蚀剂的协同性能和机理 Academic Presentation 2: Synergistic Performance and Mechanism of Plant Extract Compound Corrosion Inhibitors	李向红 教授 Prof. Li Xianghong	西南林业大学 Southwest Forestry University
10:50-11:10	学术报告3：在高影响力期刊上发表文章的实用建议/技巧 Tips for Successful Publishing	Grace Lv 博士	ACS International
11:10-11:30	Academic Presentation 4：Current Progress on Biological management of Coffee Diseases in Yunnan Province	苏海 Dr. Suhail Asad	普洱学院 Pu'er University

05 大会报告专家简介
Introduction of Keynote Speakers

马文会，教授、博士生导师、硅冶金与硅材料专家、现任普洱学院校长

Ma Wenhui, professor and doctoral supervisor, an expert in silicon metallurgy and silicon materials. Currently serving as the President of Pu'er University.

“长江学者”特聘教授、百千万人才工程国家级人选、国家有突出贡献的中青年专家、教育部新世纪优秀人才、云南省中青年学术技术带头人、教育部“霍英东基金”青年教师奖等称号。现任普洱学院校长，曾任昆明理工大学副校长、昆明理工大学冶金与能源工程学院院长、副院长、真空冶金国家工程实验室副主任、省部共建复杂有色金属资源清洁利用国家重点实验室副主任、云南省硅材料工程技术研究中心主任、云南省高校硅冶金与硅材料工程研究中心主任。

主要从事低硼磷工业硅生产、多晶硅制备新技术及新能源材料制备等领域的研究，5项研究成果已实现产业化应用，累计新增产值超过千亿元。先后主持和参与国家自然科学基金、国家科技支撑计划、国际合作项目以及企业委托项目等40余项；部分研究成果已实现产业化应用，获国家技术发明奖二等奖1项，省部级科技奖一等奖3项、二等奖1项；共发表期刊学术论文200余篇，以第一作者或通讯作者发表129篇；申请国家发明专利67项、已获授权41项；出版学术专著或教材4部。

He is a "Changjiang Scholar" Distinguished Professor, A National-level Candidate in the "Millions of Talents Project," A Young Expert with Outstanding Contributions at the National Level, An Outstanding Young Talent of the New Century by the Ministry of Education, A Leading Academic and Technological Figure among Young and Middle-aged Professionals in Yunnan Province, A Recipient of the " Henry Fok Foundation " Young Teacher Award by the Ministry of Education, and holds various other honors. Previously, he served as Vice President of Kunming University of Science and Technology, Dean and Associate Dean of the School of Metallurgy and Energy Engineering at Kunming University of Science and Technology, Deputy Director of the National Engineering Laboratory for Vacuum Metallurgy, Deputy Director of the State Key Laboratory of Complex Nonferrous Metal Resources Clean Utilization, Director of the Yunnan Silicate Materials Engineering Technology Research Center, and Director of the Yunnan Provincial University Silicon Metallurgy and Silicon Material Engineering Research Center.

His research focuses on low-boron phosphorus industrial silicon production, new technologies for polycrystalline silicon preparation, and the preparation of new energy materials. Five research achievements have been industrialized, with a cumulative added value exceeding 4 billion yuan. He has led or participated in over 40 projects, including the National Natural Science Foundation, the National Science and Technology Support Program, international cooperation projects, and commissioned projects from enterprises. Some research results have been industrialized, resulting in a second prize in national technical invention, three first prizes, and one second prize at the provincial and ministerial levels. He has published over 200 academic papers in journals, with 129 as the first author or corresponding author. He has applied for 67 national invention patents, of which 41 have been granted, and has published four academic monographs or textbooks.

庹先国，博士、教授、博士生导师、现任四川轻化工大学校长

Tuo Xianguo, professor and doctoral supervisor, Current President of Sichuan University of Light Chemical Industry

国家杰出青年科学基金获得者、中国青年科技奖获得者、“新世纪百千万人才工程”国家级人选、四川省学术和技术带头人、教育部首批“新世纪优秀人才支持计划”人选、享受国务院政府特殊津贴，曾获“地质金锤奖”、“侯德封矿物岩石地球化学青年科学家奖”称号。主持国家自然科学基金重大科研仪器设备研制专项、科技部重大科研仪器设备专项、国家杰出青年科学基金、国家863计划项目、国防科工局重大专项。

庹先国教授长期从事核技术应用领域研究，在核技术应用领域长期从事核分析技术理论、核地球物理勘探方法、核电子学仪器的研制和相关技术的研究工作；在资源环境领域长期从事辐射环境评价、核素迁移、环境监测与灾害预警方法及配套仪器仪表的研制等工作。先后主持国家自然科学基金重大科研仪器设备研制专项、科技部重大科研仪器设备专项、国家杰出青年科学基金、国家863计划项目、国防科工局重大专项、国家自然科学基金面上项目、教育部博士点基金等国家级课题20多项。研究成果获得省部级一等奖4项、二等奖8项，在国内外学术期刊和会议上发表论文180余篇，被SCI、EI收录80多篇，获授权国家发明专利12项，软件著作权6项。

He is a recipient of the National Distinguished Youth Science Foundation, the China Youth Science and Technology Award, and the "New Century Talents Project" at the national level. In Sichuan Province, he is recognized as a leading academic and technological figure, as well as an initial selection for the Ministry of Education's "New Century Excellent Talents Support Program." He also enjoys a special government allowance from the State Council and has been awarded titles such as the "Geological Golden Hammer Award" and the "Hou Defeng Mineral Rock Geochemistry Young Scientist Award." He has led several major scientific research projects, including the National Natural Science Foundation Major Scientific Research Instrument Equipment Development Special Project, the Ministry of Science and Technology Major Scientific Research Instrument Equipment Special Project, the National Distinguished Youth Science Foundation, the National 863 Program, and the Major Special Projects of the National Defense Science and Technology Bureau.

Professor Xianguo Tuo has long been engaged in research in the field of nuclear technology applications. In the area of nuclear technology applications, he has focused on the theory of nuclear analytical technology, nuclear geophysical exploration methods, the development of nuclear electronic instruments, and related technological research. In the realm of resource and environment, he has been involved in radiation environmental assessment, isotope migration, environmental monitoring, disaster warning methods, and the development of supporting instruments. He has led a number of national-level projects, including the National Natural Science Foundation Major Scientific Research Instrument Equipment Development Special Project, the Ministry of Science and Technology Major Scientific Research Instrument Equipment Special Project, the National Distinguished Youth Science Foundation, the National 863 Program, the Major Special Projects of the National Defense Science and Technology Bureau, and more than 20 other national-level projects.

His research achievements have been recognized with four first-class and eight second-class awards at the provincial and ministerial levels. He has published over 180 papers in domestic and international academic journals and conferences, with more than 80 papers indexed by SCI and EI. Additionally, he has been granted 12 national invention patents and holds 6 software copyrights.

范华军，教授、硕士生导

Fan Huajun, Professor, Master's Supervisor.

范华军，美籍华人，研究生学历，美国亚利桑那大学化学博士、得克萨斯州农工大学普文分校终身教授、硕士生导师、教授。获得甬江学者、云南省千人计划、宜宾领军人才、四川省外籍高层次人才和天府峨眉计划创新领军人才称号。

范华军博士具有20多年在海外教学和科研的经验。尤其在复杂系统多尺度模拟，材料基因工程，和反应机理方面等有着雄厚的研究基础与独到的见解。他的研究基于密度泛函理论和基于平面波的第一原则复杂系统多尺度模拟和反应机理方面研究的，并利用机器学习研发材料基因工程，涉及研究领域包括：智能材料研发、化工过程模拟、精准医疗平台、智能化学实验平台。在ACS Nano，Chemistry of Materials，Journal of Physical Chemistry A,，Organometallics，Angewandte Chemie International Edition，and Journal of the American Chemical Society等国际学术杂志发表近80篇论文，和近百份会议论文。

Fan Huajun,a Chinese-American, holds a doctoral degree in Chemistry from the University of Arizona and is a tenured professor and master's supervisor at Texas A&M University-Commerce. He has been honored with titles such as "Yongjiang Scholar," "Thousand Talents Program" in Yunnan Province, "Leading Talent" in Yibin City, "Foreign High-level Talent" in Sichuan Province, and "Innovation Leading Talent" in Tianfu Emei Plan.

Dr. Fan has over 20 years of experience in overseas teaching and scientific research. He has a strong research foundation and unique insights in areas such as multiscale simulation of complex systems, materials genome engineering, and reaction mechanisms. His research is based on density functional theory and first-principles plane-wave-based methods for multiscale simulation and reaction mechanism studies of complex systems. He also utilizes machine learning in the development of materials genome engineering. His research interests include intelligent materials development, chemical process simulation, precision medical platforms, and intelligent chemical experimentation platforms.

Dr. Fan has published nearly 80 papers in international academic journals such as ACS Nano, Chemistry of Materials, Journal of Physical Chemistry A, Organometallics, Angewandte Chemie International Edition, and Journal of the American Chemical Society. He has also presented numerous conference papers.

田洋，博士、教授、博士生导师、现任普洱学院副校长

Tian Yang,professor and doctoral supervisor, currently serving as the Vice President of Pu'er University.

荣获云南省科技进步一等奖，云南省科技进步三等奖，梁希林业科学科技进步三等奖，云南省青年科技奖等荣誉。兼任中国食品科学技术学会理事、青年委员会委员、国家食药同源科技创新联盟理事、国家农产品加工技术研发体系青年工作委员会委员等。

食药同源资源开发与利用教育部工程研究中心主任、云南省精准营养与个性化食品制造重点实验室主任。入选国家现代农业产业技术体系岗位科学家，神农青年英才，云南省产业技术领军人才，云南省中青年学术和技术带头人，云南省食药同源功能食品创新团队带头人。主持国家自然科学基金及省重大科技专项等10余项，发表学术论文160余篇，以第一或通讯作者在Trends in Food Science & Technology（IF= 16.002）、Food Hydrocolloids（IF=11.504）等国际权威期刊发表SCI论文35篇（IF>10，4篇；IF>5，25篇），授权国家发明专利20余件，制定国家及行业标准6项；编著著作5部。

He has been awarded the First Prize for Scientific and Technological Progress in Yunnan Province, the Third Prize for Scientific and Technological Progress in Yunnan Province, the Third Prize for Forestry Science and Technology Progress named after Liang Xi, and the Yunnan Provincial Youth Science and Technology Award. Additionally, he holds positions such as Director of the China Food Science and Technology Society, member of the Youth Committee, Director of the National Food and Medicine Homologous Science and Technology Innovation Alliance, and member of the National Agricultural Product Processing Technology R&D System Youth Working Committee.

Tian Yang is the Director of the Ministry of Education Engineering Research Center for the Development and Utilization of Food and Medicine Homologous Resources, as well as the Director of the Key Laboratory of Precision Nutrition and Personalized Food Manufacturing in Yunnan Province. He is selected as a National Modern Agricultural Industry Technology System Scientist, a Shen Nong Young Talent, a leading figure in industrial technology in Yunnan Province, a young academic and technological leader in Yunnan Province, and the leader of the Yunnan Province Functional Food Innovation Team.He has led over 10 projects funded by the National Natural Science Foundation and provincial major science and technology projects. He has published more than 160 academic papers, with 35 SCI papers published as the first or corresponding author in prestigious international journals such as Trends in Food Science & Technology (IF=16.002) and Food Hydrocolloids (IF=11.504) (including 4 papers with IF>10 and 25 papers with IF>5). He has been granted over 20 national invention patents, formulated 6 national and industry standards, and authored 5 academic works.

曹秋娥，博士、教授、博士生导师

Cao Qiue,professor and doctoral supervisor.

曹秋娥，博士，教授，博士生导师，云南省教学名师、云南省中青年学术与技术带头人、云南省高等院校教学科研带头人，《分析试验室》、《冶金分析》编委，教育部第七届化学类专业教学指导委员会委员、云南省食药监督局食品专家委员会副主任委员、云南塑料行业协会专家委员会副主任委员，云南省专业标准化技术委员会委员。

研究领域：分离科学、电化学传感器。主要兴趣：基于分子印迹技术的分离分析新材料及电化学传感器研究，毛细管电泳新技术与新方法研究。

Cao Qiue, a professor and doctoral supervisor, is recognized as a Teaching Master in Yunnan Province. She holds positions as a leading academic and technological figure among young and middle-aged professionals in the province's higher education institutions. Dr. Cao serves as an editorial board member for "Analytical Laboratory" and "Metallurgical Analysis," and is a committee member of the 7th Chemical Professional Teaching Guidance Committee under the Ministry of Education. Additionally, she is the Deputy Director of the Food Expert Committee at the Yunnan Food and Drug Administration, as well as the Deputy Director of the Expert Committee for the Yunnan Plastics Industry Association. She also serves as a committee member of the Yunnan Provincial Standardization Technical Committee.

Her research focuses on separation science and electrochemical sensors, with a particular interest in the development of new materials for separation analysis based on molecular imprinting technology and the study of electrochemical sensors. Dr. Cao is also involved in research on new technologies and methodologies in capillary electrophoresis.

罗惠波，教授、博士生导师

Luo Huibo,Professor, doctoral supervisor.

罗惠波，中共党员，教授，博士生导师。1993年7月参加工作，曾任四川轻化工学院轻工工程系组织员，生物工程系党总支副书记，宜宾市珙县副县长，四川理工学院生物工程系党总支副书记，生物工程学院副院长、院长，兼白酒学院院长，2020年8月任四川轻化工大学党委常委、副校长。四川省学术和技术带头人，酿酒生物技术及应用四川省重点实验室主任，中国酒业协会白酒分会技术委员会委员，四川省食品科学技术学会副理事长，四川中国白酒金三角酿酒大师。

主要从事酿酒工程、酒类新产品开发等方面的教学科研工作，主持和参与各类科研项目50余项，发表科研论文160余篇，出版教材5部。荣获四川省科技进步奖5项，四川省高等教育教学成果奖3项。先后被评为学校“优秀教师”、“高层次创新人才”、“教学名师”等，2018年12月入选四川省“教育改革创新发展典型案列（教师类）”。

Luo Huibo, a member of the Communist Party of China, is a professor and doctoral supervisor. He started working in July 1993 and has held various positions, including as an organizational member of the Department of Light Industry Engineering at Sichuan Institute of Light Industry, Deputy Secretary of the Party General Branch of the Department of Bioengineering, Deputy County Mayor of Gong County, Vice Secretary of the Party General Branch of the Department of Bioengineering at Sichuan University of Science and Technology, Vice Dean and Dean of the School of Bioengineering, as well as concurrently serving as the Dean of the Baijiu College. In August 2020, he was appointed as a standing committee member of the Party Committee and Vice President of Sichuan Institute of Chemical Technology.

Luo Huibo is a leading figure in academic and technical fields in Sichuan Province, serving as the director of the Key Laboratory of Brewing Biotechnology and Applications in Sichuan Province. He is also a member of the Technical Committee of Baijiu Sub-Association of China Alcoholic Drinks Association, Vice Chairman of Sichuan Food Science and Technology Society, and a brewing master in the Golden Triangle of Chinese Baijiu in Sichuan.

His main focus is on teaching and research in brewing engineering, development of new alcoholic products, and he has led and participated in over 50 research projects, published more than 160 research papers, and authored 5 textbooks. He has been honored with 5 Sichuan Provincial Science and Technology Progress Awards and 3 Sichuan Provincial Higher Education Teaching Achievement Awards. He has been recognized as an "outstanding teacher," "high-level innovative talent," and "teaching master" by the school. In December 2018, he was selected as a typical case of "educational reform and innovation development in Sichuan Province (teacher category)."

郭洪光，教授、博士生导师

Guo Hongguang,Professor, doctoral supervisor.

郭洪光，教授，博士生导师，国家重点研发计划项目青年首席科学家，住建部国家节水型城市评审考核专家，中国城镇供水排水协会青年委委员，中国工程建设标准化协会智慧水务专委会委员，四川省学术与技术带头人后备人选，四川省海外高层次人才，四川大学双百人才，四川大学领军人才，好未来优秀学者及教学创新大赛一等奖获得者。主要从事饮用水与污水处理，环境新污染物识别、传感与治理技术，环境减污降碳与碳中和路线技术开发，包括水处理氧化与消毒技术、水/气/固污染修复、高盐废水处理、二氧化碳资源化利用、新能源电池高值回收与循环利用、市政与环境规划、智慧水务、海绵城市及城市节水等工作。主编、参编国内规划教材一部，外文专著一部。主持包括国家重点研发计划项目，国家自然科学基金，四川省杰出青年基金及四川省科技厅项目在内多项科研项目，国内外发表文章 70 余篇。《Collagen and Leather》《中国给水排水》《净水技术》等杂志青年编委。

Guo Hongguang, a professor and doctoral supervisor, is a young chief scientist of the National Key Research and Development Program, an expert in the assessment of national water-saving cities by the Ministry of Housing and Urban-Rural Development, a member of the Youth Committee of the China Urban Water Supply and Drainage Association, a member of the Smart Water Committee of the China Engineering Construction Standardization Association, a reserve candidate for academic and technical leaders in Sichuan Province, overseas high-level talent in Sichuan Province, one of the "Double Hundred Talents" and leading talents at Sichuan University, as well as a first prize winner in the Haoweilai Excellent Scholars and Teaching Innovation Competition.

His main research areas include drinking water and wastewater treatment, identification of environmental new pollutants, sensing and governance technologies, environmental pollution reduction, carbon reduction and carbon neutrality route technology development. This includes water treatment oxidation and disinfection technologies, remediation of water/air/solid pollution, treatment of high-salt wastewater, carbon dioxide resource utilization, high-value recovery and recycling of new energy battery, municipal and environmental planning, smart water management, sponge cities, and urban water conservation. He has served as the chief editor or contributor to one domestic planning textbook and one foreign monograph. Guō Hóngguāng has led numerous research projects including those under the National Key R&D Program, the National Natural Science Foundation, the Outstanding Youth Fund of Sichuan Province, and projects from the Sichuan Provincial Department of Science and Technology. He has published over 70 articles domestically and internationally in journals such as "Collagen and Leather," "China Water Supply and Drainage," and "Water Purification Technology." Additionally, he serves as a youth editorial board member for various magazines.

祝星，教授、博士生导师

Zhu Xing, Professor, Doctoral Supervisor.

祝星，昆明理工大学教授、博士生导师，中国动力工程学会青年科技奖获得者，云南省万人计划青年拔尖人才，美国北卡罗莱纳州立大学研究学者。现任能源与动力工程系主任、动力工程及工程热物理学科负责人、云南省清洁能源与储能技术重点实验室副主任。

从事氢能及二氧化碳捕集等领域基础研究和工程应用工作，承担国家自然科学基金、云南省科技厅重大专项等，先后在Nature Communications、Energy & Environmental Science、ACS Catalysis等权威期刊发表学术论文50余篇，他引2000余次，3篇入选扩展版ESI高被引用论文，获“Energy & Fuels Top 25 Most Cited* Articles in 2014”奖，入选2021年“全球前2%顶尖科学家榜单”；参与完成的“铈基稀土储氧催化材料的构建与性能调控”项目获云南省自然科学特等奖。兼任中国有色金属学会节能减排专业委员会副秘书长、全国大学生节能减排社会实践与科技竞赛会评专家、Energy and Environment Focus期刊编委、International Journal of Coal Science & Technology科学编辑等职。

Zhu Xing, a professor and doctoral supervisor at Kunming University of Science and Technology, is the recipient of the Young Science and Technology Award from the Chinese Society of Power Engineering. He is also recognized as a top young talent in Yunnan Province's "Ten Thousand Talents Program" and has served as a research scholar at North Carolina State University in the United States. Currently, he holds the positions of Department Head of Energy and Power Engineering, Head of Power Engineering and Engineering Thermophysics, and Deputy Director of the Key Laboratory of Clean Energy and Energy Storage Technology in Yunnan Province.

His research focuses on fundamental studies and engineering applications in the field of hydrogen energy and carbon dioxide capture. He has undertaken projects funded by the National Natural Science Foundation and major projects from the Yunnan Provincial Department of Science and Technology. Zhu Xing has published over 50 academic papers in prestigious journals such as Nature Communications, Energy & Environmental Science, and ACS Catalysis, with more than 2000 citations. Three of his papers have been selected as highly cited papers in the Extended Edition of the Essential Science Indicators (ESI), and he was awarded the "Energy & Fuels Top 25 Most Cited* Articles in 2014." In 2021, he was named in the "Global Top 2% Scientists List."

Furthermore, Zhu Xing has been involved in the project "Construction and Performance Regulation of Cerium-Based Rare Earth Oxygen Storage Catalytic Materials," which received the Yunnan Provincial Natural Science Special Award. He also holds positions as the Deputy Secretary-General of the Energy Conservation and Emission Reduction Professional Committee of the China Nonferrous Metals Society, an expert evaluator for the National University Student Energy Conservation and Emission Reduction Social Practice and Technological Competition, an editorial board member of Energy and Environment Focus journal, and a scientific editor for the International Journal of Coal Science & Technology.

李向红，教授

Professor Li Xianghong

云南省杰出青年基金项目获得者、2020-2023全球前2%顶尖科学家、2020-2022中国高被引学者、全球顶尖前10万科学家、2022全球学者学术影响力排行榜、国家林草局林业和草原科技创新领军人才、云南省有突出贡献优秀专业技术人才、云南省享受省政府特殊津贴专家、云南省中青年学术和技术带头人、云南省首批“万人计划”青年拔尖人才。先后主持5项国家自然科学基金项目、1项云南省杰出青年基金项目、1项云南省专家工作站、2项云南省农业联合专项重点项目及多项省部级科研项目。公开发表学术论文256篇，被SCI收录86篇（其中JCR一区刊物49篇）；其中第一作者及通讯作者发表172篇，被SCI收录66篇（JCR一区刊物35篇）；H因子39。出版学术专著3部，授权国家发明专利13件（其中科技成果转让2件）。荣获中国腐蚀与防护学会科学技术奖自然科学奖一等奖（第1完成人）、梁希林业科学技术奖自然科学二等奖（第1完成人）、云南省科学技术奖自然科学奖三等奖（第1完成人）、云南省科学技术奖自然科学奖二等奖（第2完成人）、云南省青年科技奖、中国腐蚀与防护学会“杰出青年学术成就奖”、云南省优秀博士学位论文等奖励。

Recipient of the Outstanding Young Scientist Fund Project in Yunnan Province, Top 2% Global Scientist 2020-2023, Highly Cited Scholar in China 2020-2022, Top 100,000 Scientists Globally, Academic Influence Ranking of Global Scholars 2022, Leading Talent in Forestry and Grassland Science and Technology Innovation by the National Forestry and Grassland Administration, Outstanding Professional and Technical Talent with Outstanding Contributions in Yunnan Province, Expert Enjoying Special Allowance from the Provincial Government of Yunnan, Young Academic and Technical Leader in Yunnan Province, and one of the first batch of outstanding young talents in the "Ten Thousand Talents Program" in Yunnan Province.

He has successively led 5 projects funded by the National Natural Science Foundation, 1 project from the Outstanding Young Scientist Fund in Yunnan Province, 1 expert workstation project in Yunnan Province, 2 key projects in agricultural joint special programs in Yunnan Province, and multiple provincial and ministerial-level research projects. He has published 256 academic papers, with 86 papers indexed by SCI (including 49 papers in JCR Q1 journals); among them, he is the first author or corresponding author of 172 papers, with 66 papers indexed by SCI (including 35 papers in JCR Q1 journals). His H-index is 39. He has also authored 3 academic monographs and obtained 13 national invention patents (including the transfer of 2 scientific and technological achievements).

He has received awards such as the First Prize of the Natural Science Award of the Chinese Society for Corrosion and Protection (as the first principal investigator), the Second Prize of the Natural Science Award of Liangxi Forestry Science and Technology (as the first principal investigator), the Third Prize of the Natural Science Award of Yunnan Province Science and Technology Award (as the first principal investigator), the Second Prize of the Natural Science Award of Yunnan Province Science and Technology Award (as the second principal investigator), the Young Science and Technology Award of Yunnan Province, the "Outstanding Young Academic Achievement Award" from the Chinese Society for Corrosion and Protection, and awards for Outstanding Ph.D. Dissertations in Yunnan Province, among others.

聂陟枫，博士、副研究员

Nie Zhifeng,Ph.D., Associate Researcher

聂陟枫，男，汉族，1989年2月出生，湖南邵阳人，中共党员，博士，副研究员。2016年9月至2018年9月昆明理工大学博士后流动站从事科学研究，2018年9月以高层次人才引进到昆明学院从事教学科研工作。入选云南省高层次人才培养支持计划“青年拔尖人才”，“春城计划”高层次人才引进工程青年人才和第十七批昆明市中青年学术和技术后备人才。主要从事冶金能源化工及OLED纳米材料制备。目前主持国家级项目2项，省厅级项目6项，包括:国家自然科学基金青年项目、中国博士后科学基金面上项目、云南省博士后定向培养资助项目，云南省应用基础研究计划青年项目、昆明理工大学省部共建复杂有色金属资源清洁利用国家重点实验室开放基金以及云南省教育厅科学研究基金项目等。发表学术论文20余篇，其中以第一作者发表SCIEI学术论文18篇，分别发表于International Journal of Heat and Mass Transfer 、 Applied ThermalEngineering、International Communications in Heat and Mass Transfer等国际知名Top期刊:以第一发明人申请发明专利1项:获云南省首批博士后科研基金奖励优秀成果三等奖。

Nie Zhifeng, male, Han nationality, born in February 1989 in Shaoyang, Hunan Province, a member of the Communist Party of China, Ph.D., Associate Researcher. From September 2016 to September 2018, he worked as a postdoctoral researcher at Kunming University of Science and Technology, and in September 2018, he was introduced as a high-level talent to Kunming College to engage in teaching and research. He was selected for the Yunnan Province High-level Talents Training Support Program "Outstanding Young Talents," the "Spring City Plan" High-level Talent Introduction Project for Young Talents, and the 17th batch of young and middle-aged academic and technical reserve talents in Kunming.

His main research areas include metallurgy, energy, chemical industry, and the preparation of OLED nanomaterials. Currently, he is leading two national-level projects and six provincial-level projects, including the National Natural Science Foundation Youth Project, the China Postdoctoral Science Foundation General Project, the Yunnan Provincial Postdoctoral Directional Training Aid Project, the Yunnan Provincial Applied Basic Research Program Youth Project, the State Key Laboratory of Complex Nonferrous Metal Resources Clean Utilization Fund co-founded by the provincial and ministerial departments of Kunming University of Science and Technology, and the Yunnan Provincial Department of Education Science Research Fund Project, among others.

He has published over 20 academic papers, with 18 papers as the first author published in SCIEI academic journals, including in internationally renowned top journals such as the International Journal of Heat and Mass Transfer, Applied Thermal Engineering, International Communications in Heat and Mass Transfer. He has also applied for one invention patent as the first inventor and received the third prize for excellent achievements in the first batch of Yunnan Provincial Postdoctoral Research Fund Awards.

苏海

Suhail Asad ,Doctor

Suhail Asad (苏海)于2022年7月加入普洱学院。他本科和研究生在 University of Agriculture, Faisalabad, Pakistan完成。他已于2022年在云南农业大学获得博士学位。他的主要研究领域是“通过本土内生菌对植物疾病的生物控制。在普洱学院，该团队从事“云南省咖啡植物内生菌控制细菌和真菌疾病的生物控制策略”的研究。同时他作为第一作者和合著者发表了22篇SCI研究文章。他所掌握的研究技能包括从植物和细菌中分离 DNA, 真菌菌落的分离和纯化, RT-qPCR 相关基因/mRNA 表达 PCR, RT-PCR, 评估物质的细菌特性, 血液学（直接和 DAS-ELISA), cDNA 探针的制备, 基于16srDNA 的系统分析, 生物病害的生物防治（黄龙病），微生物多样性分析和转录组分析。研究兴趣包括植物科学与植物病理学真菌生物学, 植物胁迫生物学, 植物真菌学和植物病毒学 植物病原体的流行病学和管理, 宿主致病相互作用和抗病性，植物细菌学，植物病害的生物防治，微生物生物多样。我参加并通过了建设面向南亚科技创新中心专项-“智汇云南”计划-青年科学家，青年企业家项目，2023年高层次人才科研启动经费项目.

Suhail Asad joined the Puer University in July 2022. He completed his bachelor's and master's degrees at the University of Agriculture, Faisalabad, Pakistan. He obtained his Ph.D. from Yunnan Agricultural University in 2022. His main research area is "Biological control of plant diseases by indigenous endophytic bacteria." At Puer University, his team is engaged in research on "Biological control strategies for bacterial and fungal diseases in coffee plants in Yunnan Province using endophytic bacteria." He has published 22 SCI research articles as the first author and co-author. His research skills include DNA isolation from plants and bacteria, fungal colony isolation and purification, RT-qPCR related gene/mRNA expression PCR, RT-PCR, assessment of bacterial characteristics, hematology (direct and DAS-ELISA), preparation of cDNA probes, systematic analysis based on 16srDNA, biological control of plant diseases (Huanglongbing), microbial diversity analysis, and transcriptome analysis. His research interests include plant science and plant pathology, fungal biology, plant stress biology, plant mycology, and plant virology, epidemiology and management of plant pathogens, host-pathogen interactions and disease resistance, plant bacteriology, biological control of plant diseases, and microbial biodiversity. He participated in and passed the "Wisdom Yunnan" program of the South Asia Science and Technology Innovation Center - Youth Scientists and Entrepreneurs Project, and the 2023 High-Level Talent Research Start-Up Fund Project.Society for Corrosion and Protection (as the first principal investigator), the Second Prize of the Natural Science Award of Liangxi Forestry Science and Technology (as the first principal investigator), the Third Prize of the Natural Science Award of Yunnan Province Science and Technology Award (as the first principal investigator), the Second Prize of the Natural Science Award of Yunnan Province Science and Technology Award (as the second principal investigator), the Young Science and Technology Award of Yunnan Province, the "Outstanding Young Academic Achievement Award" from the Chinese Society for Corrosion and Protection, and awards for Outstanding Ph.D. Dissertations in Yunnan Province, among others.

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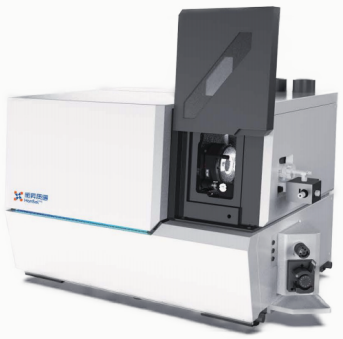
经过持续性能提升，iQuad 2300系列ICP-MS于2023年推出。在二代机的基础上，七通阀快速进样系统再度升级、带轴向加速功能六极杆碰撞，反应池功能的进一步开发、电脑软件一键启动功能的再次优化和全新的手机端控制软件的推出等等，使得仪器在稳健可靠的基础上又增加了高通量快速分析和操作便捷性等优势，百尺竿头，更进一步。



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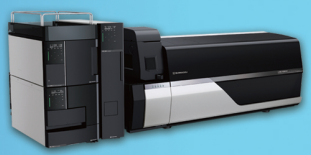
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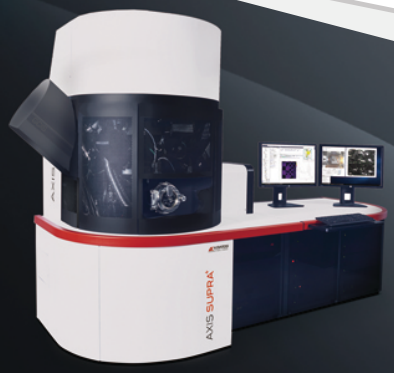

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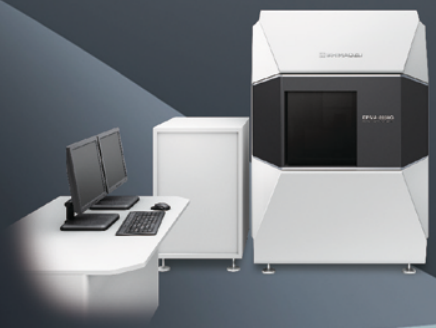

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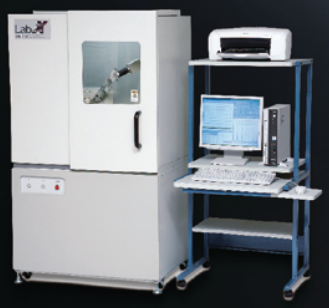

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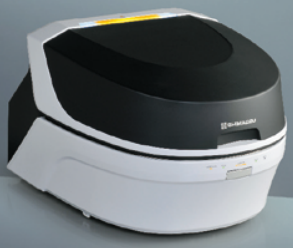

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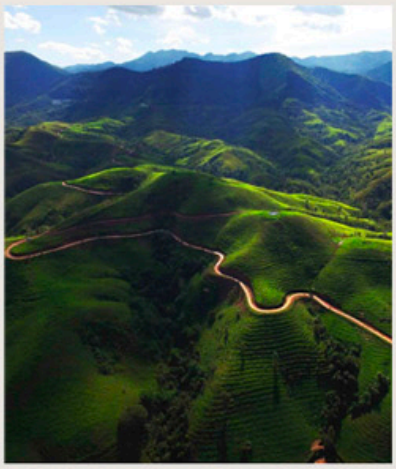

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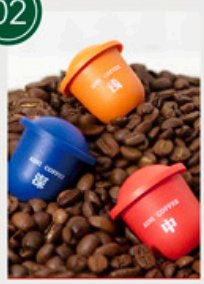

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