Table 1 Horizontal Project

No.	Project Name	Leader	Project Source	Project Schedule	Funding (10,000 RMB)
1	Construction of a Composite Teacher Training System for Elderly Care Courses from the Perspective of Integrated Medical and Elderly Care Services	Duanying Cai	The Ministry of Education 's Industry-University Cooperation Collaborative Education Project	2024-2025	2
2	Innovative research on the training mode of elderly nursing talents based on community home care	Mengling Liu	The Ministry of Education 's Industry-University Cooperation Collaborative Education Project	2024-2025	5
3	The exploration and practice of constructing KAO talent training mode to cultivate and use elderly nursing talents	Xuehua Lai	The Ministry of Education 's Industry-University Cooperation Collaborative Education Project	2024	5
4	Research on the Establishment and Teaching Model of the "3+X" Out-of-Hospital Emergency Care Course under the Background of Healthy China Services	Ronghua Yuan	The Ministry of Education 's Industry-University Cooperation Collaborative Education Project	2022-2024	5
5	Research on Virtual Simulation Technology in Midwifery Laboratory Teaching under Blended Learning Framework	Qingjun Wang	The Ministry of Education 's Industry-University Cooperation Collaborative Education Project	2022-2024	5
6	A Comparative Study on the Effectiveness of Xiankele Brand Ganoderma Lucidum and Bee Pollen Granules in Improving Sleep	Ronghua Yuan	Horizontal Project (Jiujiang University) (Project No. : 2025099)	2025-	50

7	Provincial civil policy theory research topic	Xiuxiu Liu	Jiujiang Municipal Civil Affairs Bureau (Project No. : 2024025)	2024-	1
8	Exploration of Community-Based Smart Elderly Care Nursing Model	Mengling Liu	Jiujiang Jintai Pension Co., Ltd. (Project No. : 2024161)	2024-2025	40.1
9	Career Education Research and Training	Jing Ni	Shanghai Yuanbo Education Technology Group Co., Ltd. (Project No. : 2023007)	2023-2024	30.5
10	Occupational disease prevention and control service for workers in blasting area	Dan Wu	Jiangxi Baoning Blasting Co., Ltd. Ruichang Branch (Project No. : 2023133)	2023-2025	40
11	Construction and Practice of Health Manager Training Course System	Yingjun Gong	Jiujiang Xunyang District Yunqi Vocational Skills Training School (Project No. : 2023097)	2023	4.24
12	Preparation of progestogen drugs and evaluation of their effects on replacement gilts' rearing and production benefits	Jun Liu	Jiangxi Bolai Pharmaceutical Co., Ltd.	2023	40
13	Validation of amoxicillin injection (pig) withdrawal period	Jun Liu	Jiangxi Bole Pharmaceutical Co., Ltd.	2022	30

14	Military and civilian shared portable safety first aid kit	Ronghua Yuan	Jiujiang Jaguar Pharmaceutical Co., Ltd. (Project number : 2022043)	2022-2022	15
15	Construction and Practice of a New Elderly Care Model in Jiujiang City	Duanying Cai	Hukou County Shizhongqing Elderly Care City (Project No. : 2022209)	2022-2024	10
16	Development and teaching application of nursing VR software	Xuehua Lai	Jiujiang Lanmu Environmental Technology Co., Ltd. (Project number : 2022222)	2022-2024	30
17	Study on the market development strategy of Ganoderma lucidum spore powder in the elderly consumer group	Duanying Cai	Jiangxi Xiankelai Biological Technology Co., Ltd.	2022	15

Table 2 Longitudinal Project

No.	Project Name	Leader	Project Source	Project Schedule	Funding (10,000 RMB)
1	The mechanism of tsRNA-06771 involved in the pathogenesis of osteoporosis by regulating the migration and homing of BMSCs and osteogenic differentiation	Baicheng Ma	National Natural Science Foundation of China	2023-2026	32
2	The mechanism of IL-18 regulating adipogenic differentiation of human mesenchymal stem cells in inflammatory microenvironment	Kai Long	National Natural Science Foundation of China	2021-2024	33
3	Study on the mechanism of ginsenosides activating hippocampal astrocytes to maintain neuronal microenvironment homeostasis	Zhongli Wang	National Natural Science Foundation of China	2021-2024	34
4	SIKVAV modified chitosan hydrogel promotes skin wound repair in diabetic mice and its mechanism	Xionglin Chen	National Natural Science Foundation of China	2020-2023	34
5	Caveolin-1 regulates extracellular-matrix metabolism in renal tubular epithelial cells via CSD-domain interaction with MMP-2	Wenmin yu	National Natural Science Foundation of China	2020-2023	34
6	Long non-coding RNA-319 modulates extracellular-matrix metabolism in renal tubular epithelial cells through SIK1-mediated TGF-β1/Smad7 signalling	Wenmin yu	National Natural Science Foundation of China	2018-2021	34
7	Research on the Influencing Factors and Solution Mechanism of Health Inequality of the Elderly in China from the Perspective of Social Stratification	Duanying Cai	Ministry of Education Humanities and Social Sciences Project	2018-2022	8

8	Neurobiological mechanism by which ginsenosides regulate hippocampal astrocyte activation to antagonize post-traumatic stress disorder	Zhongli Wang	Natural Science Foundation of Jiangxi	2023-2026	10
9	To investigate the mechanism of NGF / TrkB pathway in promoting nerve regeneration during the treatment of skin trauma in diabetic mice with SIKVAV modified chitosan hydrogel.	Xionglin Chen	Natural Science Foundation of Jiangxi	2023-2026	10
10	Research on the Implementation Path and Promotion Strategies for Health Equity Among the Elderly in Jiangxi Province	Duanying Cai	Jiangxi Provincial Health Commission	2023-2025	2
11	Study on the bidirectional regulatory effect of STC2 on osteogenic/adipogenic differentiation of bone marrow mesenchymal stem cells and its mechanism	Baicheng Ma	Natural Science Foundation of Jiangxi	2020-2023	6
12	Based on the theory of ' disease prevention ', we studied the susceptibility of PTSD induced by early stress and the preventive mechanism of ginseng.	Zhongli Wang	Natural Science Foundation Youth Project of Jiangxi	2018-2021	6
13	Study on the mechanism of autophagy mediated placental dysfunction induced by glyphosate exposure during pregnancy	Mengling Liu	Department of Education of Jiangxi Province	2025-2027	2
14	Research on social support network of self-care for elderly patients with chronic diseases	Duanying Cai	Social Science Foundation of Jiangxi Province	2024-2026	1
15	Caveolin-1 regulates extracellular-matrix metabolism in renal tubular epithelial cells via CSD-domain interaction with MMP-2	Wenmin yu	Natural Science Foundation of Jiangxi Province	2019-2020	6
16	Clinical application research on dialectical nursing of postpartum hypogalactia by pulse fumigation combined with low frequency pulse therapy	Chun Ke	Science and Technology Plan of Jiangxi Provincial Administration of Traditional Chinese Medicine	2025-2027	2

17	Research on the current situation, practical difficulties and optimization countermeasures of the demand for medical care combined with community home care services	Xiuxiu Liu	Humanities and Social Sciences Research Project of Jianxi Province	2024-2026	1.5
18	Practical research on county career planning education in primary and secondary schools under the background of collaborative quality improvement	Jing Ni	Basic Education Research Project of Jiangxi Province	2024-2026	1.5
19	To study the application effect of PBL combined with OSCE evaluation model in the clinical practice ability of nursing students.	Xiaoqin Yu	Jiangxi Provincial Health Commission Project / Jiangxi Provincial Administration of Traditional Chinese Medicine Project	2023-2024	0.4
20	Role and mechanism of HMGB1/RAGE/NF-κB signaling in microglial polarization in PTSD pathogenesis	Zhongli Wang	Department of Education of Jiangxi Province	2023-2025	3
21	Construction of a risk early warning model for mild cognitive impairment in diabetic patients	Xiuyan Guo	Jiangxi Provincial Health Commission	2022-2024	0.75
22	The construction and research of emergency rescue training management platform for public health emergencies in the post-epidemic era	Min Zou	Jiangxi Provincial Health Commission	2022-2024	2
23	Study on predictive factors of resilience coping in family caregivers of senile dementia	Xiaobo Yu	Jiangxi Provincial Health Commission	2023-2025	1.5
24	The epigenetic mechanism of the effect of environmental enrichment on the learning and memory of SD rats in the hippocampus	Ronghua Yuan	Jiangxi Provincial Health Commission	2022-2026	2
25	Study on the changes of cognition and morphology and function of hippocampus in rats under restraint	Ronghua Yuan	Bidding project of Jiangxi Cognitive Science and Interdisciplinary Research	2022-2025	1.5

	stress		Center		
26	Application of self-made stool drainage device in ICU patients with diarrhea	Zhen Fang	Jiangxi Provincial Health Commission	2022-2024	2
27	Mechanism research on the regulation of lung cancer development by Xiatianwu (Radix Pseudostellariae) and BIRC5	Jun Liu	Department of Education of Jiangxi Province	2021-2023	5
28	Analysis of the Effectiveness of Moderate Perineal Protection Delivery Method in Natural Childbirth	Qinghua Zou	Jiangxi Provincial Health Commission	2021-2023	1.1
29	Clinical and Experimental Study of Lycium Barbarum Polysaccharide on Diabetic Erectile Dysfunction	Qihan Zhao	Jiangxi Provincial Health Commission	2021-2023	3
30	Study on the application effect of narrative nursing mode in patients undergoing total hysterectomy	Chun Ke	Jiangxi Provincial Health Commission	2021-2023	2
31	Research on the Toxicity Mechanism of Tri-para-methylphenyl Phosphate (TOCP) on Rat Leydig Cells	Mengling Liu	Department of Education of Jiangxi Province	2020-2023	2
32	360-degree evaluation method combined with Delphi method to construct the evaluation index system of head nurses ' core competence	Xiaoqin Yu	Jiangxi Provincial Health Commission	2020-2021	0.4
33	Observation on the application effect of multidisciplinary nutritional intervention in Acute Pancreatitis with Hypertriglyceridemia	Minhua Xie	Jiangxi Provincial Health Commission	2020-2021	0.3
34	Construction and test of AIDS prevention model for college students	Qingjun Wang	Jiangxi Provincial Health Commission	2020-2022	2.8
35	Research on the Impact of the Internet on the Career Transition Process of College Graduates	Jing Ni	Humanities and Social Sciences Research Project of Colleges	2018-2024	1.5

			and Universities of Jianxi Province		
36	Study on the anti-stress effect and mechanism of ginseng based on regulating the function of EAATs in hippocampal astrocytes	Zhongli Wang	Jiangxi Provincial Health Commission	2018-2021	2
37	The mechanism of A2 polarization imbalance regulating neuroinflammation-synaptic plasticity axis in the pathogenesis of PTSD	Zhongli Wang	Jiujiang Science and Technology Bureau	2025-2026	5
38	AMSC-Exos carrying miR-3615 targets RCC2 to regulate the Wnt signaling pathway and inhibit breast cancer progression	Jun Liu	Jiujiang Science and Technology Bureau	2024	5
39	Clinical nursing study of pulse fumigation combined with low frequency pulse therapy on postpartum hypogalactia	Chun Ke	Jiujiang Science and Technology Bureau	2024-2026	2
40	Research on the Application of a Lightweight Information Management System Based on the Intelligent Operating Room and a Quality Control Circle to Prevent Acquired Pressure Injuries During Surgery	Liling Zhang	Jiujiang Science and Technology Bureau	2023-2025	0.5
41	Study on the apparent behavior changes of rats under environmental stimulation and the mechanism of histone acetylation process in offspring	Ronghua Yuan	Jiujiang Science and Technology Bureau	2023-2024	5
42	Watch-type anti-snoring instrument based on oxygen monitoring coupled micro-vibration	Ronghua Yuan	Jiujiang Municipal Human Resources and Social Security Bureau	2023-2024	10
43	Overseas students ' entrepreneurship and innovation support project	Ronghua Yuan	Jiujiang Municipal Human Resources and Social Security Bureau	2023-2024	10

44	The Effect of PKM2 Regulating the mTOR Autophagy Pathway on the Osteogenic and Adipogenic Differentiation of MSCs	Gaojie Song	Department of Education of Jiangxi Province	2024	5
45	Social Support Network for Self-Care Among Elderly Patients with Chronic Diseases: Operational Models and Path Selection	Duanying Cai	Department of Education of Jiangxi Province	2020-2022	2
46	The construction of the communion service system of ' one old and one small ' happiness hospital from the perspective of full age	Duanying Cai	Jiujiang University Service Jiujiang High Quality Development Decision Consulting Special Project	2024	5
47	Teaching Reform and Practice in Elderly Care Talent Development under the Perspective of Active Aging	Xuehua Lai	Jiujiang University	2022	0.5
48	A Study on the Chain-Driven Mechanism and Cultivation Pathways of Undergraduate Nursing Students' Professional Identity from the Dual Perspectives of Empathy and Ethics	Jingjie Zou	School of Nursing, Jiujiang University	2025-2027	0.3
49	The application of virtual simulation technology based on BOPPPS teaching mode in comprehensive training of midwifery	Xiaoju Zhu	School of Nursing, Jiujiang University	2025-2027	0.3
50	The chain mediating effect of rumination and self-disclosure between self-perceived burden and fear of disease progression in diabetic patients	Xin Dong	School of Nursing, Jiujiang University	2025-2027	0.3