**Proposal List for 2+2 AGD-CSC Students Call in 2020**

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| No. | Topic | 专业背景要求 |
| 1 | Sustainable, Healthy, Affordable, Reliable, and preferable Diets in China/Nutrition security | 营养科学、食品科学及相关专业 |
| 2 | Sustainable pathways for green agricultural development-a multi-scale integrative modelling approach | 植物营养学、资源与、环境科学与工程、农业生态学、环境政策、系统分析等 |
| 3 | Developing sustainable diversified crop production systems for the North China Plain | 农学、农业生态学、植物营养学、农业经济管理、环境政策 |
| 4 | Diversifying forage production systems: increasing productivity and resource use efficiency | 草业科学、植物营养学、生态学、土壤学 |
| 5 | The pig toilet as solution for animal welfare and environmental-friendly pig production | 农业生物环境与能源工程、动物环境工程、农业工程 |
| 6 | Upscaling China's Science and Technology Backyards (STB) through modified technologies and policies | 植物营养学、资源与、农学、农业经济管理 |
| 7 | Agro-pollutants in the soil-water-air nexus: occurrence, transport, risk, and solutions-take pesticide as an example | 土壤、植物营养学、、环境科学与工程、农业生态学 |
| 8 | Green Food Impulse: Multi-model Decision Support for market driven Circular Green Food supply chain networks in China. | 食品、农学、植物营养学、农业经济管理、环境政策 |
| 9 | Creating a multifunctioning soil by synergizing aboveground and belowground interactions | 土壤、植物营养学、农学、农业生态学 |
| 10 | Labelling for sustainable development: perspective from both production and marketing | 农业经济、食物经济或相关应用经济学 |
| 11 | Quantifying and enhancing ecosystem services for sustainable high value and healthy food production in the North China Plain | 农学、农业生态学、植物营养学、土地资源管理 |
| 12 | Evaluating and innovating Green Food system using smart sustainability assessment and novel circular biotechnology | 食品、农学、植物营养学、农业经济管理、环境政策 |
| 13 | Effects of alternative dietary fibre sources and dietary protein levels in lactating sow diets on reproductive performance and litter characteristics | 动物营养与饲料科学、动物繁殖学、动物生理学、动物健康养殖与安全生产 |
| 14 | Developing sustainable breeding strategies for dairy cattle in China with emphasis on improved resilience | 数量遗传学，动物育种学 |
| 15 | Waste2C: From Waste to Crop – Quzhou as a Living Lab for Sustainable Agro-Food systems | 植物营养学、资源与环境、环境科学与工程、农业生态学、环境政策、系统分析等 |
| 16 | Towards more sustainable groundwater use for food security in Quzhou | 作物栽培学与耕作学、土壤学、植物营养学、水利工程、土地资源管理、生态学及相关专业 |
| 17 | Optimal integration of crop and livestock production systems in China: a circular economy approach | 环境经济学，经济管理，养分资源管理，环境科学等 |