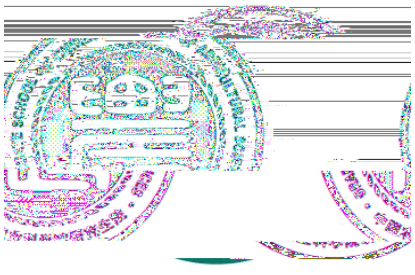

Graduate School of Chinese Academy of Agricultural Sciences

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Physiology

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Animal nutritional physiology and growth physiology

Animal propagation physiology and milking physiology

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Microbiology

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Agricultural microbial resources and utilization

Environmental microbiology

Agricultural microbial engineering

Microbial metabolism and enzyme engineering

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071010

Biochemistry and Molecular Biology

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Genomics and proteomics

DNA

Plant molecular biology and genetic engineering

Animal molecular biology and gene engineering

Microbial molecular biology and gene engineering

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Biophysics

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Radiation Biophysics

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Environmental biophysics

Nanobiology

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Bioinformatics

(Bioinformatics)

DNA

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Bioinformation integration and modeling

Biomolecule interaction and regulatory network

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Agroecology

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Crop ecology

Agricultural environmental ecology

Management of agroecosystem

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Ecological engineering for pullution control

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Agricultural Meteorology and Climate Change

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Greenhouse gas emissions and mitigation in agricultural sector

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Agro–regional Development and Planning

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Agro-resources management

Agro-regional development

Agro-regional planning

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Water-saving irrigation

Water resource and environment for agriculture

Drainage theory and new technology

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Crop Cultivation and Farming System

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Crop cultivation

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Crop physiology and ecology

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Farming system and agroecology

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Crop Genetics and Breeding

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Crop Germplasm Resources

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Genetic diversity, origin and evolution of

cultivated crops

Conservation biology of crop germplasm resources

Germplasm evaluation and enhancement

Gene discovery and functional validation

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Agro-product Quality and Food Safety

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Agro-product quality and safety control

Quality and safety control during agro-product processing and storage

Standard and testing technology

Traceability

Risk assessment and management

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Medicinal

Medicinal plant cultivation

Evaluation and Utilization of Chinese Medicinal Materials

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Agro-products Processing and Utilization

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Cereal and oil processing

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0901Z5

Agricultural Mechanical Engineering

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Interactive mechanism among crop, soil and machinery

Information acquisition of crop growth environment and engineering technology of disease, pest and weed control

Crop field operation machinery and conservation tillage technology

Agricultural equipment digital design and intelligent control technology

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Pomology

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Fruit tree germplasm resources

Fruit tree genetics and breeding

Physiology and management technology of fruit trees

Storage and quality control of fruits

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Vegetable Science

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Vegetable germplasm resources

Vegetable genetics and breeding

vegetable cultivation

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Tea Science

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Tea germplasm and breeding

Tea cultivation physiology and ecology

Tea processing and quality control

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Integrated management of tea pest

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Ornamental Horticulture

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Germplasm resources, genetics and breeding of ornamental plant

Cultivation and physiology of ornamental plant

Postharvest physiology and technique of ornamental plant

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Soil resource and management

Soil ecology and remediation

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Plant Nutrition

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Plant nutrient biology

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Nutrient cycling

Nutrient management

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Fertilizer techonology

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Agricultural Water Resource and its Environment

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Management of Agricultural water resource and its environment

Water-saving irrigation

Soil water and nutrient management

Dry-land farming

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Agricultural Remote Sensing

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Quantitative remote sensing for agriculture

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Remote sensing for agriculture condition

Remote sensing for agricultural resources

Remote sensing for agricultural disaster

Spatial information for agriculture

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Agricultural Environmental Science

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Monitoring and evaluation on agricultural environment

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Plant Pathology

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Molecular plant pathology

Biology of plant pathogens

Epidemiology of plant diseases

Genetics of plant disease resistance

Quarantine and control of plant diseases

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Agricultural Entomology and Pest Control

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Insect ecology

Insect physiology and biochemistry

Insect toxicology

Insect behavioral biology

Pest control

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Pesticide Science

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Pesticide chemistry and natural substances

Pesticide toxicology

Pesticide application

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Pesticide residue and environment toxicology

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Weed Science

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Weed biology and ecology

Mechanisms of weed infestation

Weed management

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Invasion Biology

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Invasive mechanism of exotic species

Prevention and management of invasive species

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GMO Safety

GMO Safety

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Detection and traceability of GMO

Risk assessment and monitoring of GMO

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Biological Control

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Biological control of insect pests

Biological control of plant diseases

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Animal Genetics, Breeding and Reproduction

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Animal germplasm resources

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Animal genetics and breeding

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Animal reproduction

Animal gene and cell engineering

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Animal NR mal

Mono-gastric nutrition and feed science

Ruminant nutrition and feed science

Aquaculture nutrition and feed science

Feed resource

Feed safety

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Special Animals Rearing including Silkworms, Honeybees, etc.

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Germplasm resources, genetics and breeding of special animals

Bioengineering of special animals

Rearing of special animals

Disease and pest control of special animals

Products processing and utilization, safety evaluation of special animals

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Basic Veterinary Science

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Preventive Veterinary Science

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Etiology and epidemiology for Animal infectious diseases

Veterinary microbiology and molecular biology

Veterinary parasitology and molecular biology

Animal vaccinology and molecular immunology

Zoonosis and veterinary public health

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Clinical Veterinary Science

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Veterinary medicine

Veterinary clinical diagnostics

Veterinary surgery

Veterinary obstetrics

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Chinese Traditional Veterinary Science

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Basic theory of traditional Chinese veterinary medicine

Acupuncture and moxibustion of traditional Chinese veterinary medicine

Diagnostics and therapeutics of traditional Chinese veterinary medicine

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Veterinary Pharmaceutics

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Pharmaceutical chemistry

Veterinary pharmaceutical and veterinary drug safety evaluation

Quality control of new veterinary drugs and pharmaceutical analysis

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Natural medicinal chemistry

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Utilization and Conservation of Grassland Resources

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Grassland resources

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Grassland ecology

Grassland disaster

Utilization and conservation of grassland

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Forage germplasm resources

Forage genetics and breeding

Forage seed science

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0909Z3

Forage Production and Utilization

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Forage cultivation and management

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Forage processing and storage

Forage ecology and physiology

Forage utilization and conversion

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120301

Agricultural Economics & Management

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Agricultural economic theory and policy

Food safety and development

Rural finance and insurance

Regional development and poverty alleviation

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Agricultural Resources and Environmental Economics

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Agricultural environmental economics

Agricultural resources management

Rural energy economics

Climate change and low-carbon agriculture

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International Agricultural Trade

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International trade theory and policy

Agricultural market and circulation

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1203Z3

Agricultural science and technology policy

Technical innovation and management

Evaluation on the development of modern agriculture

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1203Z4

Agricultural Information Management

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Information resources management

Information organization and utilization

Digital library

Agricultural information communication

Agricultural information analysis and competitive intelligence

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Industrial Economics

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Crop economy

Animal economy

Industrial organization and supply chain management

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Agricultural Information Analytics

Agricultural monitoring and early-warning

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Information Technology and Digital Agriculture

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Application of network technology in agriculture

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Crop informatics

Animal informatics

Digital technology of agricultural production management

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