

# Faculty of Agriculture and Food Processing

## Welcome to the Faculty of Agriculture and Food Processing (FAFP)

FAFP is one of the leading Life Science Faculties in northwest Cambodia and recognized in both teaching and research. At FAFP, we provide our students with a practical education, <sup>with</sup> that has a solid foundation in theory, <sup>to</sup> so preparing them for careers in a growing job market. There is an increasing demand for graduates with degrees in <sup>e</sup> agriculture and food science, and related fields, <sup>so that</sup> so that Cambodia's economy <sup>to</sup> continues to grow, and <sup>to</sup> to support those who rely on agriculture. Sustainable agriculture is of major importance to Cambodia's future. FAFP offers a diverse range of academic degree programs, and students benefit from our faculty members' expertise in teaching, research and <sup>to</sup> outreach and community engagement. We also enjoy the rewards of international collaboration with partners in Asia, Europe, Australia, and the <sup>United States</sup> U.S.A., and FAFP has multiple options for students to study or take internships abroad through international partnership programs. FAFP faculty, students and extension professionals are actively engaging and collaborating with national and international stakeholders to make a difference for today's generation and for those to come.

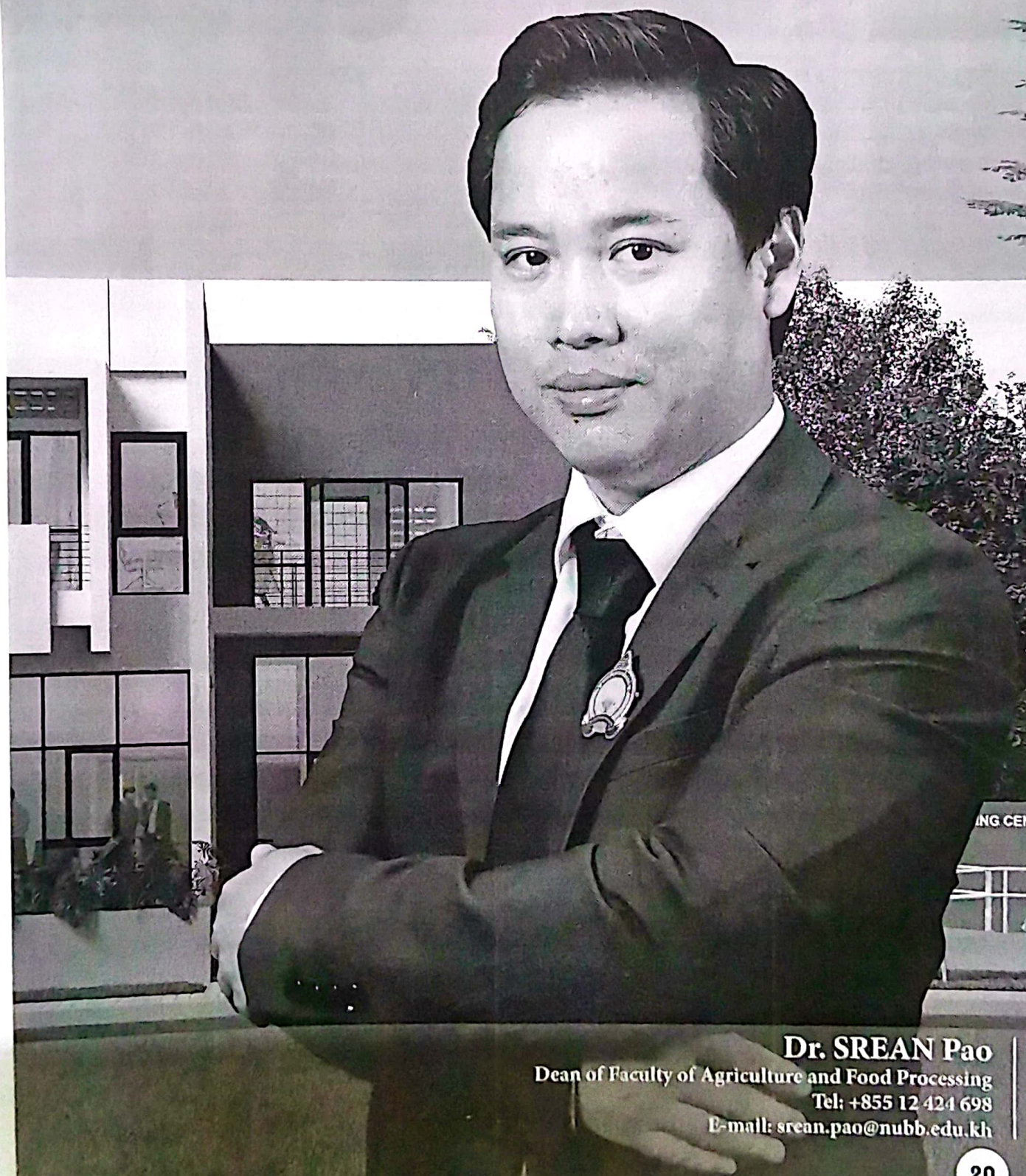
## Vision

The Faculty of Agriculture and Food Processing at the National University of Battambang <sup>offer education at</sup> is an adapted ASEAN university standard for undergraduate studies in Cambodia.

## Mission

- To educate and train students with national and international standards to meet job market
- To conduct scientific research for supporting domestic productivities and national economic growth.





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The Faculty is composed of three departments:

1. Department of Agriculture ✓
2. Department of Animal Science ✓
3. Department of Food Processing ✓

#### Fields of Study:

1. Bachelor of Science in Horticulture ✓
2. Bachelor of Science in Agroecology ✓
3. Bachelor of Science in Food processing ✓
4. Bachelor of Science in Animal Science ✓ ↘

### Department of Agriculture

#### **Bachelor of Science in Horticulture**

The program prepares graduates to become a horticulturist or horticultural scientist, with comprehensive knowledge of horticultural crops and capability to apply horticultural techniques for private and public institutions, which includes ornamental plants, fruits and vegetables through landscape design, technology and horticulture science.

#### Important Courses

- Applied Biology
- Introduction to Microbiology
- General Chemistry
- Biochemistry
- Introduction to Horticulture
- Agribusiness
- Statistical Method for Research
- Plant Physiology and Nutrition
- Applied Entomology
- Applied Soil Science
- Ornamental Plant Production Systems
- Farm Management
- Postharvest Technology for Horticultural Crops
- Tree Fruit Production
- Project Development and Management

#### **Career Opportunities**

The program prepares graduates to become a technician in agriculture techniques for private companies, farm Manager, researcher, project manager, entrepreneur, soil scientist, project coordinator, field technician of projects...etc, with comprehensive knowledge and practical experiences, analytical and research skills in Horticulture.



## Bachelor of Science in Agroecology

The program prepares graduates to become an <sup>A</sup>agroecologist or <sup>A</sup>agroecological scientist, with comprehensive knowledge of agroecological crops and capability to apply agroecological techniques for private and public institutions, which includes industrial crops, fruits and vegetables through landscape design, technology and <sup>A</sup>agroecology science.

### Important Courses

- Applied biology
- Introduction to Microbiology
- General chemistry
- Biochemistry
- Introduction to Horticulture ?
- Agribusiness
- Statistical Method for Research
- Plant Physiology and Nutrition
- Applied Entomology
- Applied Soil Science
- Ornamental Plant Production Systems
- Farm Management
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## Department of Food Processing

### Bachelor of Science in Food Processing

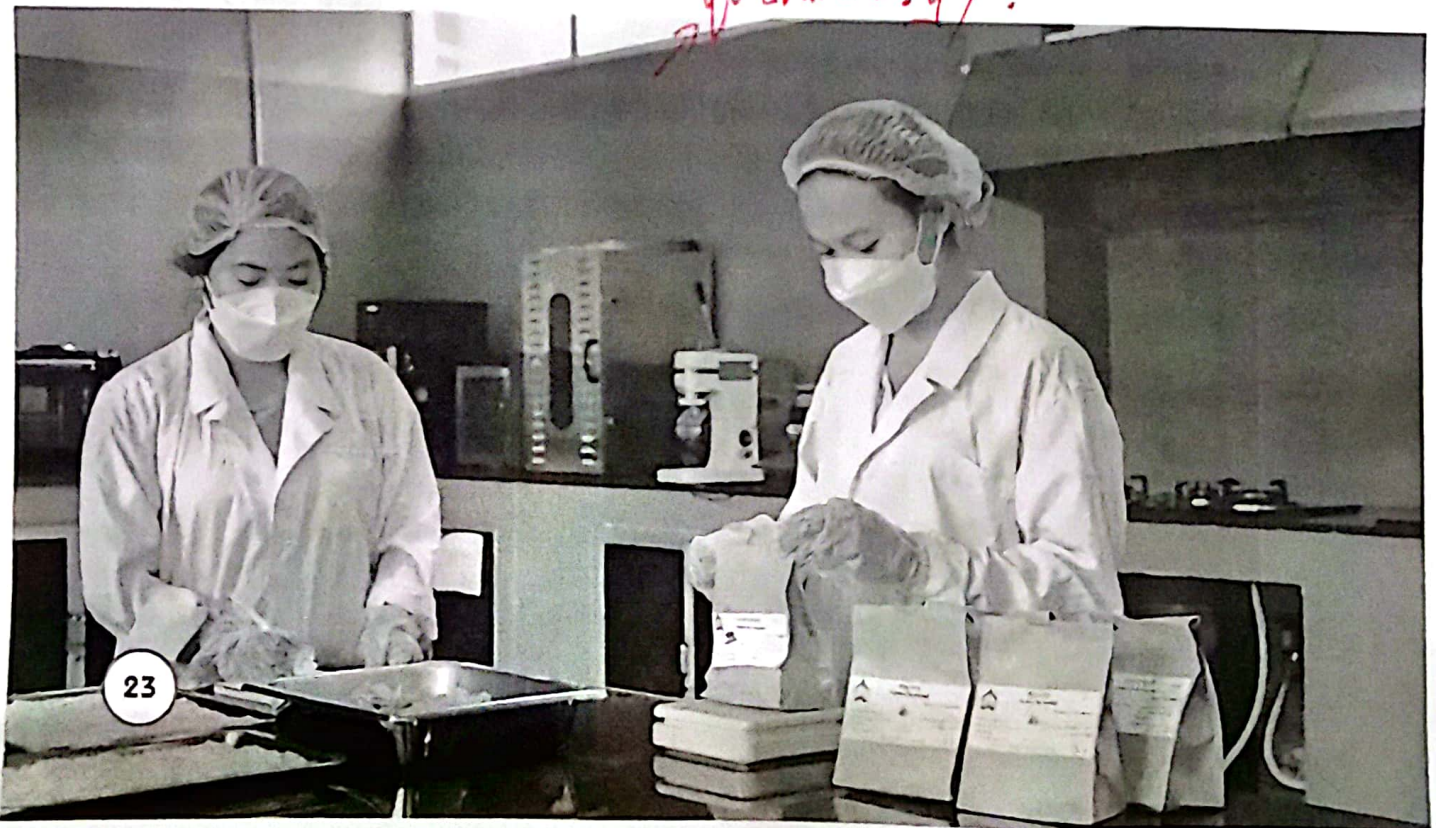
Food Processing Department was established for bachelor degree of science (Food Processing) in 2008. Food processing is the transformation of agricultural products into food, or of one form of food into other forms i.e. juice, dried fruits and vegetable, meats processed, oils, snacks, and others processed food.

#### Important Courses

- Applied biology
- Biochemistry
- Introduction to Microbiology
- Organic chemistry
- General chemistry
- Food chemistry
- New Food Product Development and Innovation
- Food Engineering and Unit Operation
- Food Quality control and Assurance
- Statistics and Research Methodology

#### Career Opportunities

Job prospects for food processing are expected to be good as more attention is focused on the role of food in diet and health; efforts are made to improve food safety. The food processing industry particularly in several areas such as researcher, research on food development (R&D), beverage industry workers, canning and preserving industry workers, health and regulatory inspectors, meat packing workers, packaging machinery technicians, confectionery industry workers, restaurant and food service managers, related career fields: agriculture, food, packaging, hospitality and tourism, etc.





## Department of Animal Science

### Bachelor of Science in Animal Science

The program prepares graduates to produce graduates to become professional in animal production, veterinary, researcher, project manager. Strengthen graduates' ability to resilience for the work environment. Develop graduates with entrepreneurship related animal production.

#### Important Courses

- Applied biology
- Introduction to Microbiology
- Agribusiness
- Biochemistry
- Statistical Methods for Animal Science Research
- Data Management for Agriculture
- Poultry Production
- Basic Animal Surger
- Anatomy and Physiology of Farm Animals I
- Animal Nutrition
- Anatomy and Physiology of Farm Animals II
- Animal Artificial Insemination
- Slaughterhouse Management
- Animal Feed and Feeding
- Pharmacology
- Aquaculture Production

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#### Career Opportunities

The program prepares graduates to become: technician in private companies, farm manager, researcher, project manager, entrepreneur, veterinary, project coordinator, field technician of project ,...etc with comprehensive knowledge and practical experiences, analytical and research skills in animal science.

