



What are we doing at SCBE?

- Bioremediation and Bioenergy
- Molecular Biology, Genetics, Medical, Stem cells, Cancer
- Animal and Cell Physiology
- Plant Physiology, Agriculture
- Systematics, Taxonomy, and Biogeography
- Phytochemistry & Herbal Uses
- Conservation and Breeding Technology
- Vector Biology, Parasites and Diseases
- Ecology and Eco-literacy

Organismal Biology

Principles of Animal Physiology

Essential Plant Physiology

Microtechnique in Biology

Principles of Plant Tissue Culture

Industrial Microbiology



Biodiesel Production from Algae



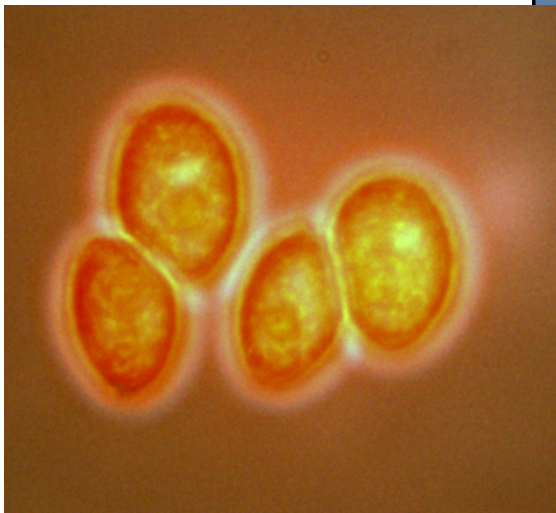
- Phytoremediation of metals and Petroleum
- Biodiesel Production from Algae



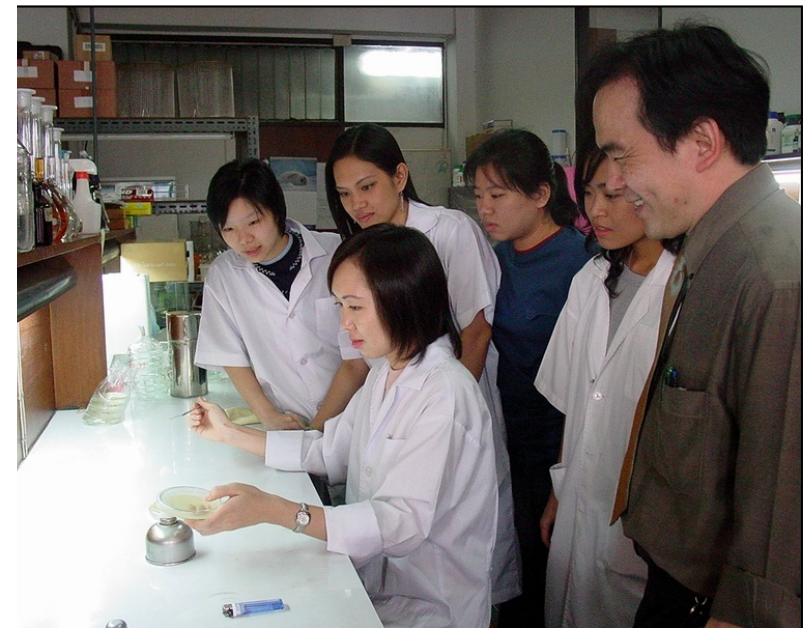
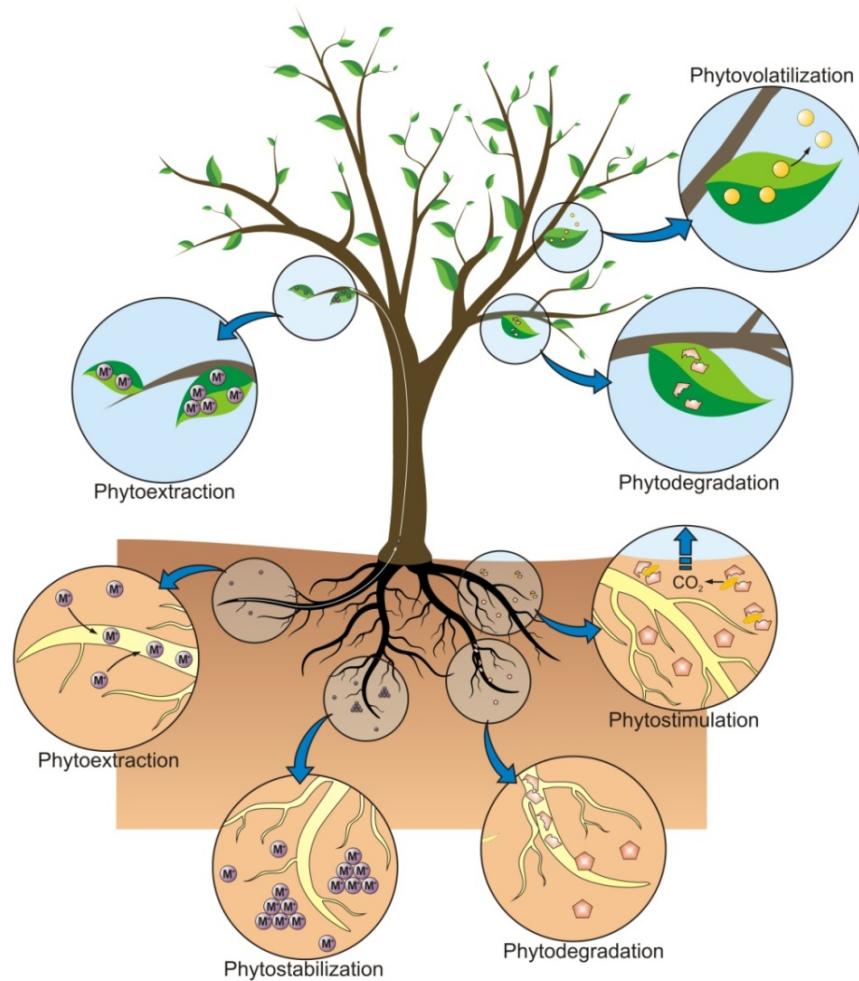
Biodiesel Production from Algae



- Research Collaboration with PTT
- Dr. Prayad & Dr. Metha



Environmental Science and Toxicology



MOLECULAR, CELL AND DEVELOPMENTAL BIOLOGY



Molecular Biology Applications

Basic Techniques in Molecular Biology

Developmental Biology

Molecular Biology in Medicine

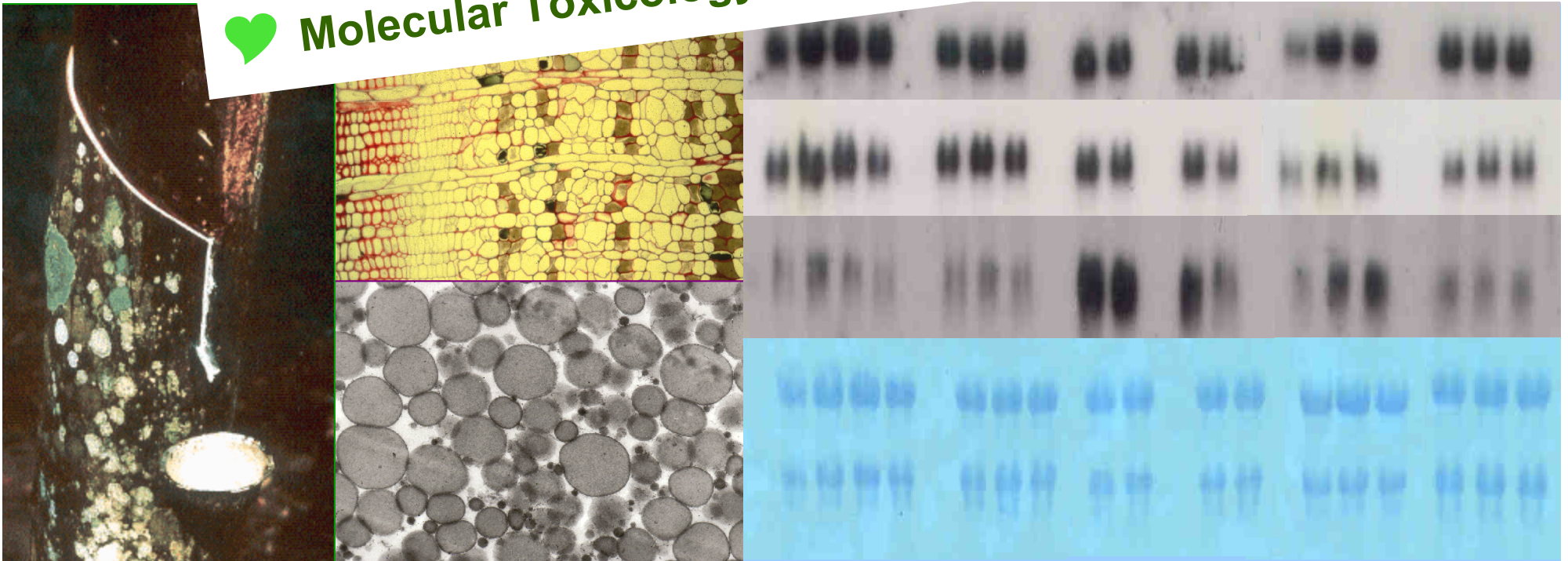
Regulation of Gene Expression

Basic Immunology



MOLECULAR BIOLOGY & GENETICS

- ♥ Gene Controlling Starch Production Manipulation
- ♥ Proteomics, Metalobomics
- ♥ Mutations and New Products
- ♥ Molecular Toxicology



Wildlife Conservation and Ecology



Ecology, Evolution and Environmental Biology

Environmental Science

Water Quality Management

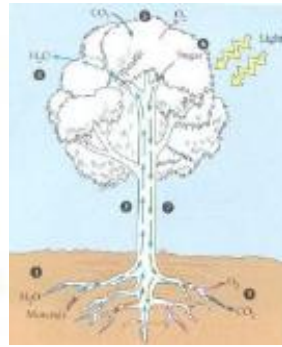
Natural Resource and Environmental
Management

Environmental Microbiology

Coevolution

Environmental and Biodiversity Education





PLANT PHYSIOLOGY

- ♥ Fruiting and Its Controlling Mechanisms
- ♥ Kiwi Fruit and Macadamia in Thailand
- ♥ Salt-resistant Rice Strains
- ♥ Secondary Products in Plants



PLANT SYSTEMATICS AND TAXONOMY



♥ Diversity of Plants in
Thailand and their
conservation and evolution



- ♥ การระบุชนิดพืชสมุนไพรในตำรับยา
- ♥ กายวิภาค สันฐาน DNA fingerprinting
- ♥ การสร้างสารฟลาโวนอยด์ และสี

HERBAL UTILIZATION & PHYTOCHEMISTRY



PLANT CONSERVATION & BREEDING TECHNOLOGY



- ♥ คัดเลือก ขยายพันธุ์ ปรับปรุงพันธุ์ อนุรักษ์พันธุ์กรรมพืช
- ♥ พืชเศรษฐกิจ เช่น พืชสมุนไพรและกล้วยไม้
- ♥ พืชใกล้สูญพันธุ์ พืชหายาก

Vector Biology and Parasites

Host-Microbe Interactions

Parasitology

Basic Entomology

Vector Biology

Biological Control

Integrated Pest Management

