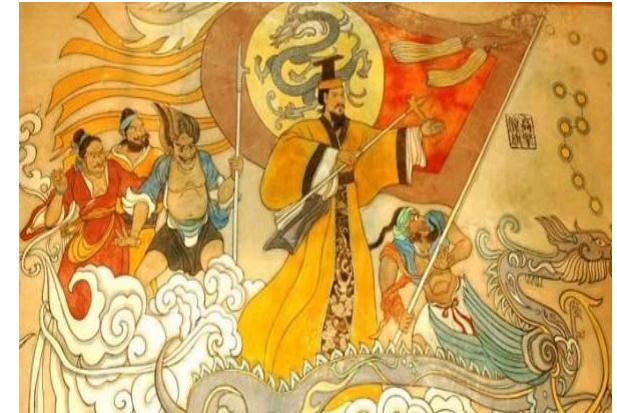
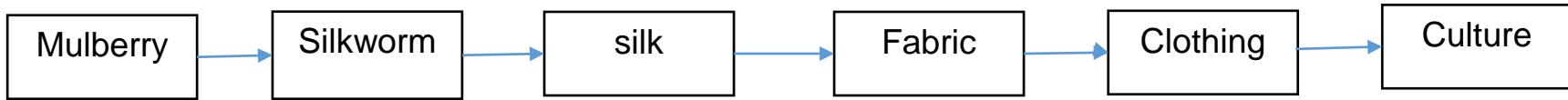


# Diversified and efficient utilization path of Sericultural Resources

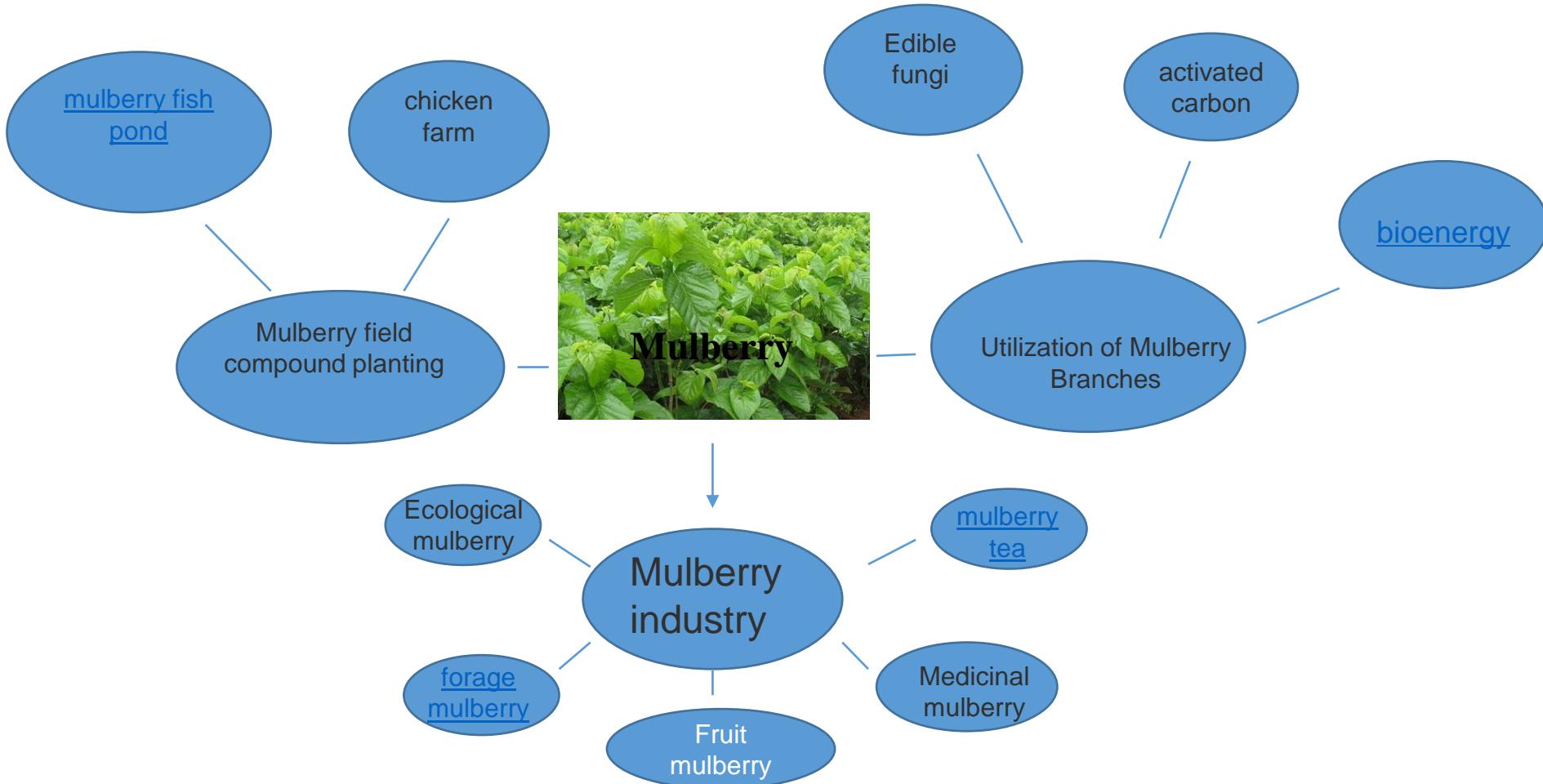
Miao Yungen  
Zhejiang University, Hangzhou, China

2019-04-08

# Traditional Sericulture Pathway



# Mulberry-Diversified and efficient utilization



# Fruit mulberry



- decompose fat, reduce blood lipids, prevent vascular sclerosis and enhance vascular toughness.
- make hair black and shiny.
- improve the blood supply of skin (including scalp), nourish skin,
- promote immunity and prevent cancer and cancer.
- clear the eyes and alleviate the symptoms of eye fatigue and dryness.



# Mulberry tea



Mulberry leaves contain not only DNJ, but also gamma-aminobutyric acid and phytohols, which are 3-4 times as much as green tea. It has the function of reducing weight, beauty and blood sugar.

# Edible fungi



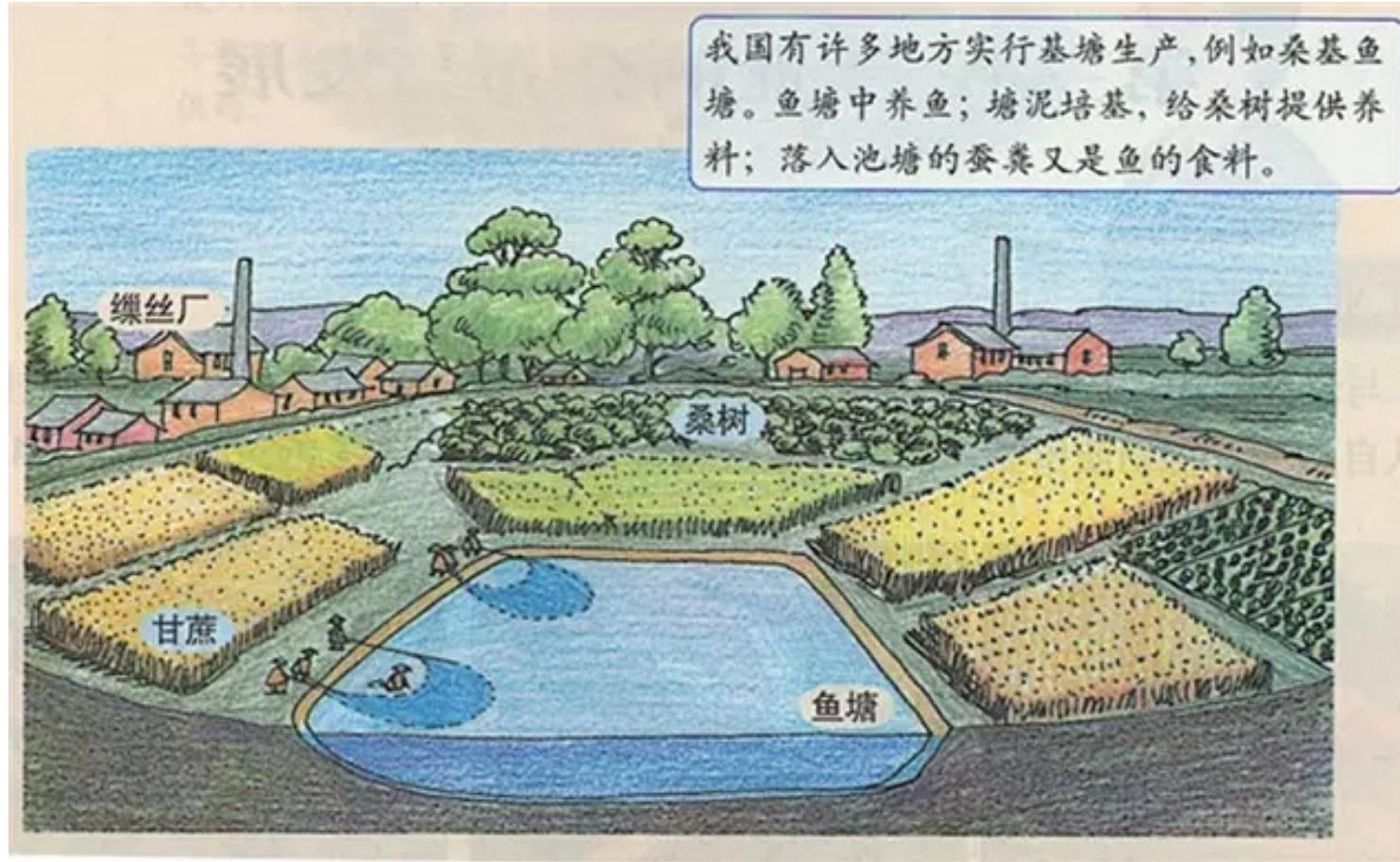
Mulberry branch cultivation of edible fungi had higher protein and lipid content, better quality and better nutrition than mixed sawdust cultivation.

# Mulberry field compound planting



The mulberry-livestock-poultry compound planting mode refers to the development of silkworm rearing, chicken rearing and sheep rearing etc., and the formation of a biological chai, to realize zero emission of mulberry garden resources and improve the output efficiency of mulberry field.

# Mulberry fish pond



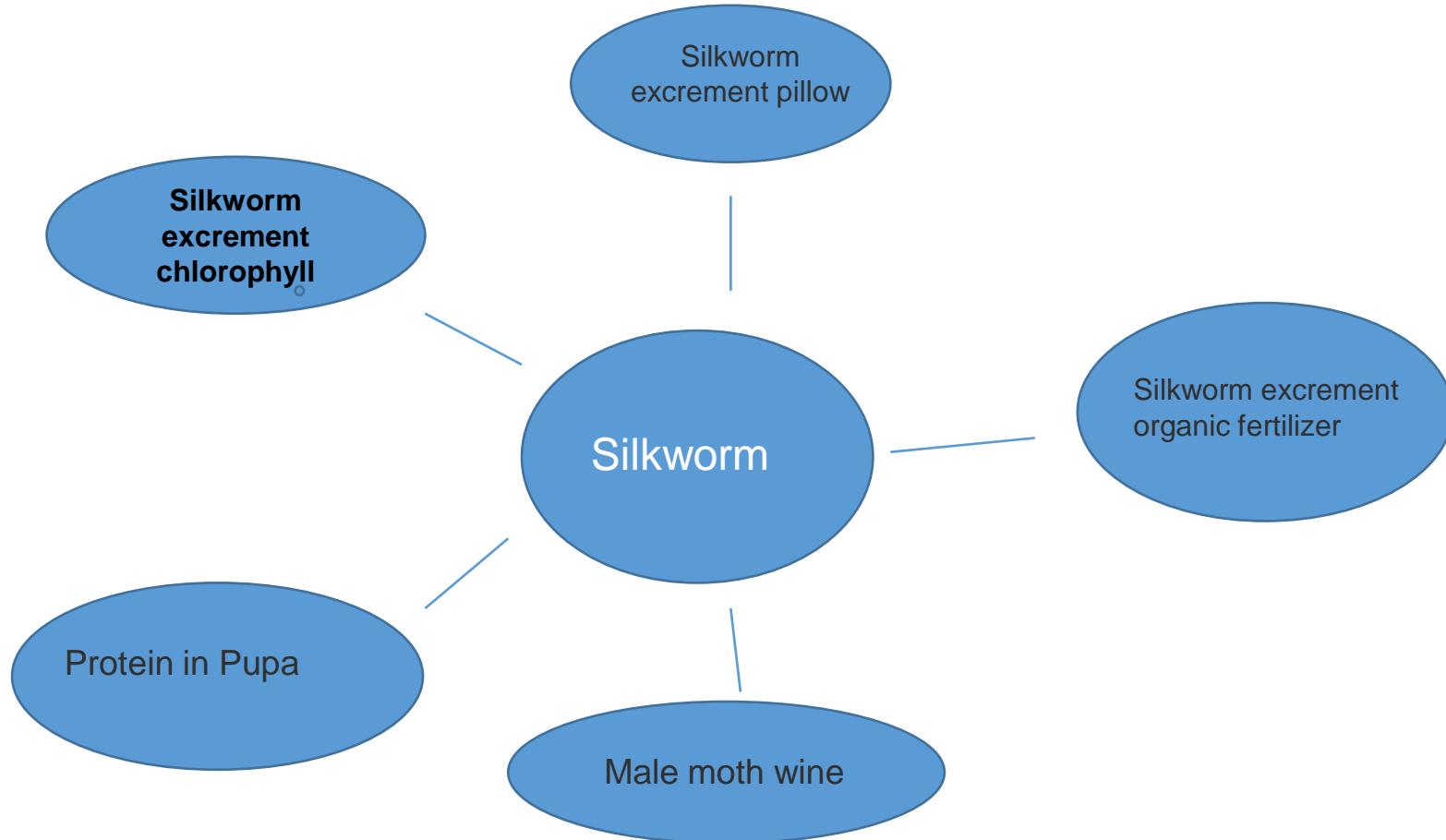
Fish culture in fish ponds;  
pond mud culture to feed  
mulberry trees; silkworm  
manure falling into ponds is  
fish food

# Ecological mulberry



Mulberry trees in many provinces in China have become rocky desertification, desertification land and saline-alkali land management, vegetation restoration in arid and semi-arid areas, mine land and ecological restoration.

# Silkworm-Diversified and efficient utilization



# Silkworm excrement pillow



The pillow made of silkworm excrement has the function of cooling and reducing fire. It has strong sweat absorption, good air permeability, warm in winter and cool in summer.

# Protein in Pupa



Silkworm pupa has extremely rich nutritional and medicinal value. It contains rich protein and essential amino acids, vitamins and trace elements. It is an ideal animal food for human beings.



# Male moth wine



Male moth wine has obvious effects of tonifying liver and kidney, strengthening yang, anti-aging, preventing senile dementia, male prostatic hyperplasia and female endocrine disorders.

# Silkworm excrement organic fertilizer

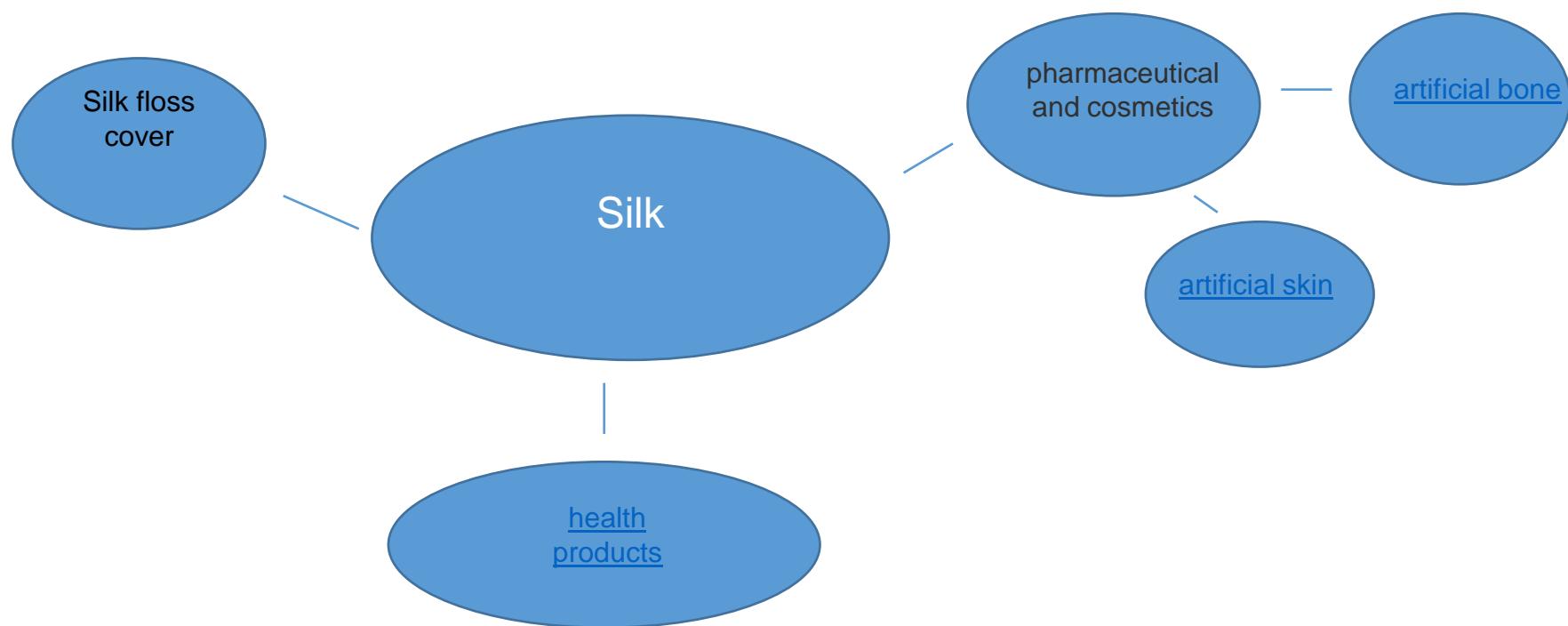


# Silkworm excrement chlorophyll



Chlorophyll can be used not only as a variety of food additives, but also as a raw material for the treatment of cancer, hepatitis and leukemia. It is also an ideal natural colorant.





# Silk floss cover



- promote sleep.
- good cold resistance and constant temperature.
- anti-mite, anti-bacterial, anti-allergic and skin-friendly.
- prevention of rheumatism, arthritis and skin diseases.

# Silk cosmetics



Silk cosmetics have biological activity and biocompatibility, no irritation and allergy to skin, moderate gloss and transparency, which can well cover up the defects of skin surface.

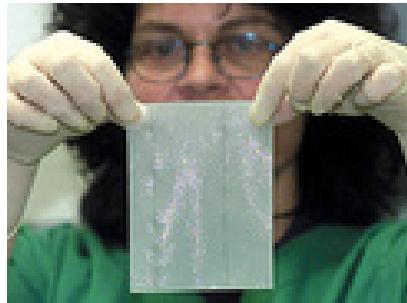
# health products



桑蚕丝作为蛋白质纤维 属多孔性物质 透气性好 吸湿性极佳

而被世人誉为“纤维皇后”

# Artificial skin



Silk fibroin artificial skin derived from silk fibroin of silkworm cocoon has been proved to be a natural biomedical material with excellent transparency, permeability, bacterostasis and biocompatibility. It has good prospects in the application of tissue repair.

# Sericultural culture



# Silkworm festival



Silkworm Flower Festival is a folk cultural activity which integrates folk art, religious belief, material exchange and cultural entertainment to worship the "Silkworm God" and pray for a good harvest of silkworm and mulberry

# Leisure Agriculture



- Taste Food,
- Eco-leisure,
- Agricultural Experience

# the Belt and Road





**Thanks !**

