Dr. LI CHANGZHU
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- President of Hunan Branch of Chinese Academy of Forestry (also HAF)
- PhD in Forestry, Research Fellow, Doctoral Supervisor
- Standing Deputy Director of Camellia Oil R &D Center of State Forestry Administration (also SFA)
- Director of Hunan Biodiesel Research and Engineering Center
- Council Member of China Biomass Development Center, Ministry of Science and Technology

EDUCATION

PhD, Forestry**,** Beijing Forestry University, PRC, 2004
M.Sc., Economy and Forest Faculty, Central South University of Forestry and Technology, PRC, 2000
B.S., Horticulture, Hunan Agricultural University, PRC, 1990
Master's Program of Pomology Genetic Breeding, Crop Institute and Pomology Institute, CZE, Jan-Jul.1999
Academy Courses of Forestry, Hunan Forestry College, PRC, Sep.1981-Jul.1984

EMPLOYMENT

2009-pres.	President, Hunan Academy of Forestry, Changsha, Hunan Province, PRC
2002-2008	Vice President, Hunan Academy of Forestry, Changsha, Hunan Province, PRC
pres.	Director, Committee of National Camellia Oil-Tea Engineering Technology Research Center, PRC
2009-pres.	Standing Deputy Director, Camellia Oil R& D Center of SFA
pres.	Director and Professor, Hunan Provincial Biodiesel Engineering Technology Research Center, Founded by S&T Department of Hunan Province, PRC
pres.	Council Member, China Biomass Development Center, Ministry of Science and Technology (also MOST), PRC
2002-pres.	Director and Professor, Hunan Provincial Key Lab. of Tree Clone Breeding, Founded by S&T Department of Hunan Province, PRC
pres.	Standing Member, Horticulture Committee of Hunan province

PROFESSIONAL STRENGTHS

- Pioneers Chinese R&D of Energy Plants and Biodiesel and Devoted Himself on the Following for Over 24 Years:
  A: Selecting of cost effective feedstock for biodiesel production;

B: Technologies of scale culture and process for non-edible oil of biodiesel feedstock;

C: Breeding of plant species for biodiesel feedstock by means of resources investigation, selection, mutation breeding and other biotechnologies; the breeding and culture species include: *Swida Wilsoniana; Ricinus Communis; Camellia Oleifera; Vernicia Fordii; Jatropha Curcas; Vernicia Fordii; Jatropha Curcas L.; Ricinus Communis L; Euphorbia Tirucalli;*

D: Optimizing process technologies for biodiesel production, including techniques for feedstock of non-edible oil, selection of catalyst, standard index and effect of reaction.

- Focused on the Breeding and processing of Chestnut (*Castanea Mollissima*) for over 24 years.
- Founded Hunan's first provincial Biodiesel Research and Engineering Center.
- Founded the first provincial engineering laboratory of oil energy plants.
- Led a multidisciplinary team working on the energy plant cultivation, biodiesel clean conversion and by-product utilization.
- Chief edited the first publication in China on biodiesel: *Green Energy-Biodiesel.*

RECENT PUBLICATIONS

I. Papers Published on Energy Plants and Biofuel

- Li Changzhu, Jian Lijuan, Li Peiwang, Study on the Selection of Feedstock of Biodiesel, High Technology Message, 2004(1).
- Li Changzhu, Jian Lijuan, Li Peiwang, Study on Making Biodiesel by the Oil *Swida Wilsoniana* (Wanger.)---a Wildness Woody Plant, Journal of Bioprocess, 2005, 3(1) 42-45.
- Jiang Lijuan, Li Peiwang, Li Changzhu, Physical and Chemical Mutagenesis in Vitro Euphorbia Trucalli Buds and Screening Cold Resistant Mutants, Journal of Plant Genetic Resources, 2003(4).
- Li Changzhu, New Feedstock for Biodiesel Production─Analysis on Its Physical-chemical Properties and Potential Assessment Sino-German Workshop on Energy Utilization for Biomass Oct. 2003. (Triglyceride Fatty Acid Result Showed at: Http://www.ipe.ac.cn/sinogerman/program.htm)
- Li Changzhu, Li Peiwang, Genetic Diversity of *Swida Wilsoniana* (Wanger.) Sojak Clones Using ISSR Markers, Hortscience, Vol. (43)4, July 2008.
- Jiang Lijuan, LI Changzhu, Effect of ppp3 and CaCl2 on Cold Resistant of Euphorbia Tricalli, Hunan forestry Science and Technology, 20-23, 2003(3).
- Li Changzhu, Jiang Lijuan, Situation in the Research and the Prospect of Commercial Applications of Biodiesel, Presented at "Proseminar on Development of Chinese Biomass Energy Technology" (available at www.newenergy.org.cn/energy/biomass/read.asp).

II. Books on Energy Plants, Biodiesel and Chestnut

- Li Changzhu, Jiang Lijuan, ***Green energy—Biodiesel***, Chemical Industry Press, 2005.1. [SBN7-5025-6246-X/TK 14].
- Li Changzhu, Tang ShiJun, ***Chestnut Cultivation in Southern China***, Hunan Science and Technology Press, 2004.1.

- ***Energy Crop, Biomass Modern Utilization Technology***, Guan Zhou Energy Institute, China Academy, (10), Chemical Industry Press, 2003.

III. National Patents of Technology

- A New Kind of Biodiesel, an invention patent, application number 200510031787. 9, Approved date: July first 2005. Possessor: Li Changzhu, Zhang Liangbo, Xiao Zhihong, Li Peiwang.

IV. Presentations at Conferences and Seminars

- Sino-Sweden Biomass Energy RTD Collaboration Workshop in Nov.5-6, 2003, Beijing.
- Sino-Korea Renewable Energy Cooperation Forum in Aug.16-17, 2004, Kunming, Yunnan, China.
- Sino-EU Workshop on Biofuel in Nov. 4-5, 2004, Beijing.
- Sino-Korea Renewable Energy Cooperation Forum in June. 24-25, 2004, Cheju, Korea.

AWARDS AND GRANTS

I. Project Activities From 2000-2006

- "Demonstration and Study of Utilization of Energy Plants and Liquid Fuel" (2001AA514090), High Technology Research and Development Program (863), granted and financed by the MOST.
- "Study on the Key Technology and Countermeasure of Biodiesel in Plants Oil" (2003AA214.61), "863" Hi-tech Project granted and financed by the MOST.
- "Techniques of Conversing Plant Oil into Biodiesel by Immobilized Enzymatic Catalyze" (2005-4-7), "948" Project (Introduce Advanced Technologies for Agriculture and Forestry), granted and financed by the SAF.
- "Research on the Key Technologies for Biodiesel Industrialization Production and Demonstration", the important special project, granted and financed by Hunan Provincial Science and Technology Department. (2006-09-4).
- "Introduction and Improvement of Key Technologies for Electricity Generating and Biodiesel Production from Biomass", innovative program of Biomass energy, granted and financed by the SAF. (2006-11-8).
- "Study on the Techniques for Breeding and Cultivating High Yield Feedstock Plants of Biodiesel, Industrialization Supporting Planning Project, granted and financed by the MOST.

II. International Cooperation

- Forged partnerships with more than 100 research institutes and universities in 20 countries, including the USA, Japan, the UK, Czech Republic, Brazil, Sweden, Germany, Poland, Australia, New Zealand, Finland and France.
- Cooperated with overseas institutions includes Austrian Biofuels Institute (ABI)), Swedish University of Agricultural Science, Brazil Parana University, Indian Nandan Biomatrix Co. Ltd., Korean Institute of Energy Research, German CIMBRIA-SKET GmbH, New Zealand Institute for Crop & Food Research, and etc.