


Brief CV

Name/中文姓名	Gaili Gao/高改梨	Gender	female	
Title (Pro./Dr.)	Dr.	Country	China	
Phone Number		WeChat ID		
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University/Department	China Agricultural University/ College of Engineering			
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Research Area	<p>Machinery Manufacturing and Automation: Modern manufacturing equipment technologies</p> <p>Agricultural Machinery Automation: Agricultural machinery mechatronics; intelligent agricultural machinery technologies; agricultural robotics</p>			
<p>Brief introduction of your research experience:</p> <p>EARNED DEGREES</p> <p>Ph.D., Mechanical Engineering, University of Science and Technology Beijing, 1998</p> <p>M.S., Mechanical Engineering, University of Science and Technology Beijing, 1993</p> <p>B.S., Mechanical Engineering, Inner Mongolia University of Technology, 1987</p> <p>PUBLICATIONS</p> <p>As the first author, Dr. Gaili Gao has published more than 20 articles, 6 of which have been indexed by SCI and many by EI. She has applied/has been granted 13 Chinese invention patents as the first inventor, and compiled 3 book chapters on machinery manufacturing.</p> <p><i>A. Articles</i></p> <ol style="list-style-type: none"> 1. Gaili Gao, Yinhui Feng and Yongxian He. Study on Mechanism of Air-Floating Separation for Residual Film and Seed Cotton. <i>Ekoloji</i>, 2018, 27(106): 579-589. 2. Luzhen Ge, Gaili Gao and Zhilun Yang. Study on Underwater Sea Cucumber Rapid Locating Based on Morphological Opening Reconstruction and Max-Entropy Threshold Algorithm. <i>International Journal of Pattern Recognition and Artificial Intelligence</i>, 2018, 32(7): 1850022. 3. Gaili Gao, Zhengyi Sheng, Shuo Liu and Yin Zhang. Study on Key Mechanical Properties of Hybrid <i>Broussonetia papyrifera</i>. <i>Besic & Clinical Pharmacology & Toxicology</i>, 2019, 125:5-6. 4. Xueli Wang, Gaili Gao and Yin Zhang. Parameter Design of Key Component for Hybrid <i>Broussonetia papyrifera</i> Smashing Device Based on Fluid-solid Coupling Flow Field Characteristics. <i>IPPTA: Quarterly Journal of Indian Pulp and Paper Technical Association</i>, 2018, 				

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5. **Gaili Gao**, Hefei Zhao, Daoliang Li, Baolin Hu and Guanjun Wang. A New Approach for Evaluating Cotton Flow Velocity in Rectangular Pipeline. *Sensor Letters*, 2013, 11(6-7): 1074-1080.
6. **Gaili Gao**. A New Single Degree-of-freedom Resonance Device. *Journal of Central South University*, 2012, 19(10): 2782–2787.
7. **Gaili Gao**, Daoliang Li and Shouhai Shang. New Method of Cotton Flow Speed Detection Based on Area CCD. *Sensor Letters*, 2010, 8(1): 32-39.
8. **Gaili Gao**, Guanjun Wang and Pengchuan Liu. Distribution of Cotton in Rectangular Pipeline for Horizontal Foreign Fiber Removed Device. *Advanced Materials Research*, 2014, 951: 113-119.
9. Guanjun Wang, **Gaili Gao**, Daoliang Li, Baolin Hu and Jun Liu. Rational Position of Apparatus for Removing Cotton foreign Fiber in Dynamic Equilibrium. *Applied Mechanics and Materials*, 2013, 252: 44-50.
10. **Gaili Gao**, Hefei Zhao, Jun Liu and Daoliang Li. Important Parameters Optimization for Opening Cotton Device. *Computer and Computing Technologies in Agriculture V -5th IFIP TC 5/SIG 5.1 Conference, CCTA 2011*, p460-468.
11. **Gaili Gao**, Daoliang Li, Shouhai Shang and Shulin Hou. Accurate Time Control of Eliminating the Cotton Foreign Fiber. *Computer and Computing Technologies in Agriculture- II*. 2010, vol.24, p235-240.
12. **Gaili Gao**, Dongxing Zhang and Jun Liu. Design of a New Soil-Tuber Separation Device on Potato Harvester. *Computer and Computing Technologies in Agriculture IV - 4th IFIP TC 12 Conference, CCTA 2010*, p 604-612.
13. **Gaili Gao** and Pengchuan Liu. New Approach for Locating Foreign Fiber in Cotton. *Journal of Jiangsu University (Natural Science Edition)*, 2015, 36(2): 165-1170.

B. Patents

1. **Gaili Gao** and Yinhui Feng. Unginned Cotton Airflow Tearing Thinning Device. Patent number: ZL201810349922.1.
2. **Gaili Gao**, Yinhui Feng and Zhuo Cheng. Seed Cotton Residual Film Removing Machine. Patent number: ZL201810349925.5.
3. **Gaili Gao** and Shuo Liu. A Device for Removing Leaves. Patent number: ZL201810326571.2.
4. **Gaili Gao**, Jun Liu and Zhuo Cheng. Dragging Type Fruit Picking Device. Patent number: ZL201611034247.0.
5. **Gaili Gao**, Daoliang Li and Xueli Wang. Sea-cucumber Catching Lifting Device. Patent number: ZL201611034482.8.
6. **Gaili Gao**, Zhuo Cheng and Jun Liu. Rotary Fruit Picking Manipulator. Patent number: ZL201610395938.7.
7. **Gaili Gao**, Jun Liu and Zhuo Cheng. Fruit-grasping Mechanical End-effector. Patent number: ZL201610395913.7.
8. **Gaili Gao**, Pengchuan Liu, Daoliang Li, Jun Liu and Zhenbo Li. Lighting Device for Conveying

Cotton Pipeline. Patent number: ZL201310185362.8.

9. **Gaili Gao**, Xu Zhang, Zhihong Li, Jianming Jia and Jun Liu. Device of Spray and Atomization for Aircraft. Patent number: ZL201310259891.8.
10. **Gaili Gao**, Daoliang Li, Jun Liu, Li Zhang and Zhenbo Li. Cleaning Device for Cotton Conveying Pipeline. Patent number: ZL201310565348.0.
11. **Gaili Gao**, Shulin Hou and Jun Liu. Medical Function Bed. Patent number: ZL200910238777.0.
12. **Gaili Gao**, Daoliang Li and Shouhai Shang. 2009. Device for Removing Cotton Foreign Fiber. Patent number: ZL200810225479.3.
13. **Gaili Gao** and Huixing Zhou. 2007. Controlled Automatically Potato Harvester. Patent number: ZL200710063599.3.

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