简　历

<table>
<tr><td colspan="4">个人信息</td><td rowspan="6">  </td></tr>
<tr><td>姓名</td><td>段翠芳</td><td>性别</td><td>女</td></tr>
<tr><td colspan="2">职称</td><td colspan="2">副研究员</td></tr>
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</table>

研究方向

作物遗传育种，作物分子生物学，树木遗传育种

学习&工作经历

一、学习教育经历

(1) 2007-12 至 2011-12, 法国蒙彼利埃大学, 分子生物学专业, 博士

(2) 1999-09 至 2002-07，1995-09 至 1999-07, 山西农业大学, 作物遗传育种专业硕士，药用植物专业学士

二、科研与学术工作经历

(1) 2020-02 至今, 中国热带农业科学院橡胶研究所, 副研究员

(2) 2020-04 至 2021-04, 2021-08 至 2022-至今, 海南省农业农村厅, 种植业处、质量处, 副处长（挂职）

(3) 2015-03 至 2020-02, 中国热带农业科学院, 国际合作处, 副处长

(4) 2018-03 至 2019-05, 农业农村部国际合作司, 美大处, 副处长（借调）

(5) 2002-08 至 2015-03, 中国热带农业科学院橡胶研究所, 实习、助理研究员、副研究员、课题组长

(6) 2007-12 至 2008-12, CIRAD, 法国蒙彼利埃, 访问学者

代表性成果

论文、专著、专利、品种、标准、承担项目、获奖成果等（每种代表性成果限 5 项）。

1. 承担项目

（1）国家重点研发计划“主要作物丰产增效科技创新工程”重点专项 2022 年度部省联动项目“海南橡胶树优质高产新品种选育与产品加工技术研发及集成示范”（2023-2025），负责专题 3：物候变化对橡胶树胶乳产量及品质的影响工作。

（2）海南省气象局项目，SCSF202406 气象关键因子对天然橡胶品质的影响机制研究（2025.01-2026.12）

（3）农业农村部，政府购买服务项目，125D0101，益智标准化生产技术试验示范，2020-12 至 2021-12，60 万元，主持

（4）农业农村部，国际交流与合作项目，2018，“一带一路”热带国家农业资源联合调查与开发评价，2018-01 至 2020-02，2565 万元，第三完成人

（5）农业农村部，国际交流与合作项目，125A0607，巴布亚新几内亚热带棕榈作物种质资源收集、创新利用与产业化关键技术培训，2019-01 至 2019-12，50 万元，合作主持

2. 代表性论文

（1） **Cuifang Duan;** Xavier Argout; Virginie Gébelin; Maryannick Rio; Antony Champion; Pascal Montoro ; Identification of the *H. brasiliensis* AP2/ERF superfamily by RNA sequencing., BMC Genomics , 2013, 14(30) (期刊论文) (SCI) IF= 4.40

（2） **Cuifang Duan**; Maryannick Rio; Julie Leclercq; François Bonnot; Gerald Oliver; Pascal Montoro ; Gene expression pattern in response to wounding, methyl jasmonate and ethylene in the bark of *Hevea brasiliensis,* 《Tree physiology》 , 2010, 30(10): 1349-59 (期刊论文)

（3） Xiang QL, Xia KC, Dai LJ, Kang GJ, Li Y, Nie ZY, **Duan CF,** Zeng RZ. Proteome Analysis of the Large and the Small Rubber Particles of H. brasiliensis using 2D-DIGE. Plant Physiol. Biochem., 2012, 60: 207-213(Corresponding author). (SCI) IF= 2.838

（4） LJ. Dai, GJ. Kang, Y. Li, ZY. Nie**, CF. Duan**, RZ. Zeng. Proteome profile of rubber particle in H. brasiliensis, Plant Molecular Biology, 2013, Plant Mol Biol.: DOI 10.1007/s11103-013-0047-y (Corresponding author). (SCI) IF=3.58

（5）Zeng RZ, **Duan CF,** Li XY, Tian WM, Nie ZY. Vacuolar-type inorganic pyrophosphatase located on the rubber particle in the latex is an essential enzyme in regulation of the rubber biosynthesis in H. brasiliensis. Plant Science, 2009 (176)，602-607. (SCI) IF=2.86

3. 论著

（1） 学术专著：刘国道； 段翠芳 ；《“一带一路”沿线国家热带农业科技》，北京，中国农业出版社，ISBN 978 —7 —109 — 25112 —0, 2018

（2）《热带农业资源考察与思考》，北京，中国农业科学技术出版社，2019（30.8 万字）

（3）《中国热带农业科学院与国际热带农业中心科技合作 35 年》，中国农业出版社，2018(13 万字)

4. 专利

（1）段翠芳；朱德明；林位夫；孔令学；李普旺 ；一种应用于橡胶树的超声波装置，2014-12-03, 中国,ZL2014203688682（ 专利）

（2）段翠芳；林位夫；朱德明；孔令学 ；一种应用于橡胶树的超声波刷减震装置，2014-12-03, 中国, ZL2014203614602（ 专利）

（3）段翠芳；林位夫；朱德明；孔令学 ；一种应用于橡胶树的超声波自动注水装置，2014-12-03, 中国,ZL201420368870X（ 专利）

（4）曾日中；项秋兰；代龙军；黎瑜；聂智毅；康桂娟； 段翠芳 ；橡胶树大小橡胶粒子差速分布离心分离及其检测方法, 2013-2-13, 中国, CN201110224870.3（ 专利）

5. 获奖成果

（1）获海南省科技二等奖 1 项：天然橡胶生物合成的分子基础及调控机制，第二完成人,2021。

（2）成果鉴定国际领先：橡胶树橡胶粒子蛋白质组及橡胶生物合成相关蛋白的研究，橡胶粒子蛋白质组学研究，海南省科学技术厅，2013。

（3）茉莉酸诱导橡胶树乳管分化相关 bHLH 转录因子基因的表达研究。国家自然科学基金委员会基础研究类成果；排名：第一。2012。

CURRICULUM VITAE

Personal Information			
Name	DUAN Cuifang	Gender	FEMALE
Position Title		Associate Researcher	
Institute		Rubber Research Institute，Chinese Academy Tropical Agricultural Sciences	
Email	cuifangd@aliyun.com		
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Tel	13976122976	Fax	

Research Interest

Crops Genetic and Breeding; Medicinal Plants etc

Education & Working Experience

Working Experience：

2020.02-Present： Associate Researcher (2011.01-)，Rubber Research Institute (RRI), Chinese Academy Tropical Agricultural Sciences (CATAS)

2020.04-2022.05：Deputy Division director, Hainan Provincial Department of Agriculture and Rural Affairs

2018.05-2019.05**：** Deputy Division Director, Ministry of Agriculture and Rural Affairs

2015.04-2020.03： Deputy Director，International Cooperation Division, CATAS

2012.01-2015.04: Associate Researcher (2011.01-)，Group Leader, RRI, CATAS

2005.01-2007.12: Assistant Researcher, Group Leader, RRI, CATAS

2002.08-2005.01: Research Assistant, RRI, CATAS

Education:

2007.12-2011.12: **PhD. Montpellier University, France.** Major: System Molecular Biology

1999.09-2002.07: Master, Shanxi Agricultural University. Major: Crop Breeding

1995.09-1999.07: Bachelor, Shanxi Agricultural University. Major: Medical Plant

Representative Result

1. Projects

(1) The national key research and development program: "High yield and efficiency of main crops scientific and technological innovation project", the ministerial and provincial joint project in 2022, "Hainan Rubber Tree Breeding of New Varieties with High Quality and High Yield and Product Processing Technology Research and Development and Integrated Demonstration" (2023-2025), Project 3: The impact of phenological changes on rubber latex yield and quality.

(2) Project sponsored by Ministry of Agriculture and Rural Affairs, 125D0101, trial and demonstration of standardized production technology for educational purposes, (2020.12 – 2021.12)

(3) Ministry of Agriculture and Rural Affairs, International Exchange and Cooperation Project, 2018, Joint Survey and Development Evaluation of Agricultural Resources in the "the Belt and Road" Tropical Countries, (2018.01 to 2020.02)

(4) Ministry of Agriculture and Rural Affairs, International Exchange and Cooperation Project, 125A0607, Training on Key Technologies for Collection, Innovative Utilization and Industrialization of Subtropical Palm Crop Germplasm Resources in Papua New Guinea, (2019.01- 2019.12)

(5) Hainan Provincial Technology Innovation Guidance Plan High tech Industry Development Special, CGZYX201602, Tropical Agricultural Technology Transfer Center of Chinese Academy of Tropical Agricultural Sciences,(2017.01 -2017.12)

2. Article Representative

（1） Cuifang Duan; Xavier Argout; Virginie Gébelin; Maryannick Rio; Antony Champion; Pascal Montoro ; Identification of the H. brasiliensis AP2/ERF superfamily by RNA sequencing., BMC Genomics , 2013, 14(30) (期刊论文)

（2） Cuifang Duan; Maryannick Rio; Julie Leclercq; François Bonnot; Gerald Oliver; Pascal Montoro ; Gene expression pattern in response to wounding, methyl jasmonate and ethylene in the bark of Hevea brasiliensis, 《Tree physiology》 , 2010, 30(10): 1349-59 (期刊论文)

（3） Xiang QL, Xia KC, Dai LJ, Kang GJ, Li Y, Nie ZY, Duan CF, Zeng RZ. Proteome Analysis of the Large and the Small Rubber Particles of H. brasiliensis using 2D-DIGE. Plant Physiol. Biochem., 2012, 60: 207-213(Corresponding author). (SCI) IF= 2.838

（4） LJ. Dai, GJ. Kang, Y. Li, ZY. Nie, CF. Duan, RZ. Zeng. Proteome profile of rubber

particle in H. brasiliensis, Plant Molecular Biology, 2013, Plant Mol Biol.: DOI 10.1007/s11103-013-0047-y (Corresponding author). (SCI) IF=3.58

（5）Zeng RZ, Duan CF, Li XY, Tian WM, Nie ZY. Vacuolar-type inorganic pyrophosphatase located on the rubber particle in the latex is an essential enzyme in regulation of the rubber biosynthesis in H. brasiliensis. Plant Science, 2009 (176)，602-607. (SCI) IF=2.86

3. Books

(1) Liu Guodao; Duan Cuifang; <Tropical Agricultural Science and Technology of Countries along the "the Belt and Road">, Beijing, China Agriculture Press, ISBN 978-7-109-25112-0, 2018

(2) <Investigation and Reflection on Tropical Agricultural Resources>, Beijing, China Agricultural Science and Technology Press, 2019 (308000 words)

(3) <35 Years of Scientific and Technological Cooperation between the Chinese Academy of Tropical Agricultural Sciences and the International Tropical Agriculture Center>, China Agriculture Press, 2018 (130000 words)

4. Patents

(1) Duan Cuifang; Zhu Deming; Lin Weifu; Confucius Lingxue; Li Puwang; An ultrasonic device applied to rubber trees, 2014-12-03, China, ZL2014203688682 (patent)

(2) Duan Cuifang; Lin Weifu; Zhu Deming; Confucius Lingxue; An ultrasonic brush damping device for rubber trees, 2014-12-03, China, ZL20142036146002 (patent)

(3) Duan Cuifang; Lin Weifu; Zhu Deming; Confucius Lingxue; An ultrasonic automatic water injection device for rubber trees, December 3, 2014, China, ZL201420368870X (patent)

(4) Zeng Rizhong; Xiang Qiulan; Dai Longjun; Li Yu; Nie Zhiyi; Kang Guijuan; Duan Cuifang; Centrifuge separation and detection method of rubber particle differential distribution of rubber tree size, February 13, 2013, China, CN201110224870.3 (patent)

5. Awards

(1) Second prize of Hainan Science and Technology Award: Molecular Basis and Regulation Mechanism of Natural Rubber Biosynthesis, 2021.

(2) Achievement identification is internationally leading: research on rubber particle proteome of rubber tree and rubber biosynthesis related proteins, research on rubber particle proteomics, Hainan Provincial Department of Science and Technology, 2013.

(3) Expression of bHLH transcription factor genes related to laticifer differentiation induced by jasmonic acid in Hevea brasiliensis. Basic research achievements of NSFC; 2012