

## 中国国际高新技术成果交易会项目登记表

项目 拥有 者情 况	单位名称	(中文) 广东省微生物研究所				
		(英文) Guangdong Institute of Microbiology				
	所在地区	广东省广州市				
	单位性质	<input type="checkbox"/> 国有企业 <input type="checkbox"/> 民营企业 <input type="checkbox"/> 外商投资企业 <input type="checkbox"/> 海外企业 <input checked="" type="checkbox"/> 高校、科研院所 <input type="checkbox"/> 个人 <input type="checkbox"/> 留学生 <input type="checkbox"/> 其它				
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	(英文) Xianliezhong Road 100, Guangzhou, Guangdong					
单位介绍(个人项目可不填,200字内)	<p>广东省微生物研究所前身为中科院中南真菌研究室，于 1964 年成立，现隶属于广东省科学院。作为具有热带亚热带区域特色与优势的微生物学专业科研机构，已建成由中国工程院院士等作为领军科学家的六大研究中心，建有省部共建华南应用微生物国家重点实验室等科研平台；先后承担了国家重点研发计划等多项重大科技项目，获得科技成果及奖励超过 3000 项，在微生物应用基础研究、行业共性关键技术创新及科技服务、微生物高技术成果转移转化方面，成为国内领军科研机构。</p> <p>The Predecessor of GDIM is the Central South China Mycology Research Station of the Chinese Academy of Sciences (CAS). GDIM was founded in 1964, and currently it is affiliated to the Guangdong Academy of Sciences (GDAS). As a professional research institute for scientific research in microbiology with tropical and subtropical characteristics and advantages, GDIM has established six major research centers, which are led by leading scientists like Academician of the Chinese Academy of Engineering, etc. The institute has also built a large number of national and provincial-level science and technology innovation platforms, such as State Key Laboratory of Applied Microbiology. GDIM has undertaken a number of key scientific and technological projects such as National Key R&amp;D Program of China, and has acquired more than 3,000 scientific and technological achievements and rewards. It has become the leading scientific research institute in China in fields like basic research of microbiological application, key technology innovations and technology services with industrial commonality and transformation of high-tech microbiological achievements.</p>					
项目 情况	项目名称	(中文) 灵芝孢子油精深加工技术				
		(英文) Deep Processing Technology of <i>Ganoderma Lucidum</i> Spore Oil				
	所属行业	<input type="checkbox"/> 高端制造 <input type="checkbox"/> 新材料 <input type="checkbox"/> 新一代信息技术 <input checked="" type="checkbox"/> 生命科学 <input type="checkbox"/> 绿色低碳 <input type="checkbox"/> 数字经济 <input type="checkbox"/> 海洋经济 <input type="checkbox"/> 高技术服务业 <input type="checkbox"/> 疫情防控 <input type="checkbox"/> 其他				
	是否拥有自主知识产权	√是      □否				
项目阶段	<input type="checkbox"/> 研制阶段 <input type="checkbox"/> 试生产阶段 <input type="checkbox"/> 小批量生产阶段 <input checked="" type="checkbox"/> 批量生产阶段					

寻求合作方式	<input type="checkbox"/> 股权投资 <input type="checkbox"/> 风险投资 <input type="checkbox"/> 技术转让 <input type="checkbox"/> 许可使用 <input checked="" type="checkbox"/> 合作开发 <input checked="" type="checkbox"/> 合作兴办新企业 <input type="checkbox"/> 其它
需合作方投入资金(人民币)	<input type="checkbox"/> 少于 100 万元 <input checked="" type="checkbox"/> 100 万至 500 万元 (不含 500 万) <input type="checkbox"/> 500 万至 2000 万元 (不含 2000 万) <input type="checkbox"/> 2000 万至 5000 万元 (不含 5000 万) <input type="checkbox"/> 5000 万元及以上
项目介绍(简介、技术特点、应用范围、市场前景、效益分析及对投资者要求。500 字内)	<p>采用生物内源酶法破壁和二氧化碳超临界萃取相结合技术制备灵芝孢子油。灵芝孢子油具有增强免疫力、对化学性肝损伤有辅助保护功能，同时，通过体内外模型研究发现：灵芝孢子油具有明显抗肿瘤效果。粤微牌灵芝孢子油获得健字号批文：国食健字 G20070326。</p> <p>生物酶法破壁：利用菌丝体生长过程中自身产生纤维素酶、蛋白酶等多种复合酶温和酶解灵芝孢子、破壁率达 98%，解决灵芝行业孢子机械破壁易氧化的技术瓶颈问题，并排除外源酶带入对产品质量的影响。</p> <p>The preparation of Ganoderma lucidum spore oil has used the technology that combines bio-endogenous enzymatic sporederm breaking technology and carbon dioxide supercritical extraction. Ganoderma lucidum spore oil can enhance the immunity and has auxiliary protective effect on chemical liver damage. Meanwhile, through in vitro and in vivo models, Ganoderma lucidum spore oil has been found that has an obvious anti-tumor effect. Yuewei Ganoderma lucidum spore oil was certified as healthcare product, with the approval NO of Guoshijianzi G20070326.</p> <p>Enzymatic sporederm breaking technology: uses various compound enzymes such as cellulase and protease, which are produced during mycelium growth process, to break Ganoderma lucidum spores wall mildly, with the breaking rate of 98%. This technology has overcome the technical challenge that the Ganoderma lucidum spore was easily oxidized by using mechanical sporederm breaking technology, and has eliminated the impact of exogenous enzymes on product quality as well.</p>

