

# Patent Deposit in CGMCC under The Budapest Treaty

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# History of Patent Deposit in CGMCC

- In 1985, CGMCC was appointed to undertake patent deposit by the China IPA;
- In 1995, CGMCC was licensed to be an IDA under the Budapest Treaty by WIPO.



# Kinds of Biological Material that May Be Deposited

**Algae**

**Archaea**

**Human and animal cell cultures**

**Bacteria (pathogenic and non-pathogenic)**

**Bacteriophages**

**Eukaryotic DNA**

**Fungi (pathogenic and non-pathogenic)**

**Mycoplasma**

**Plant cell cultures**

**Viruses**

**Plasmids (in hosts and not in hosts)**

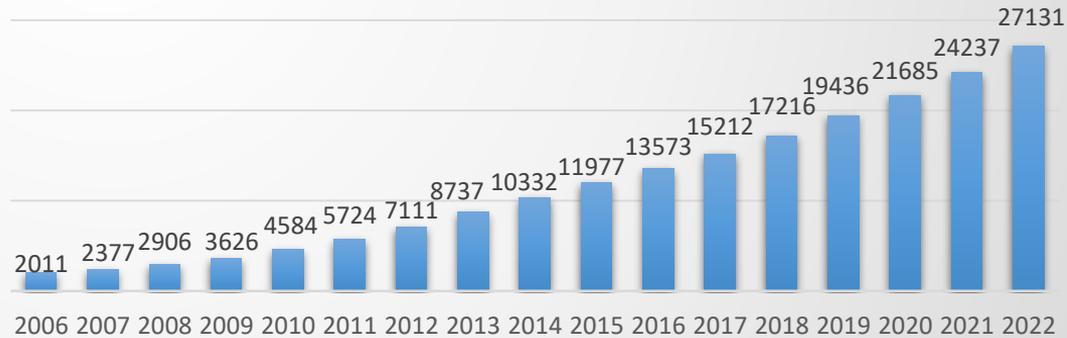
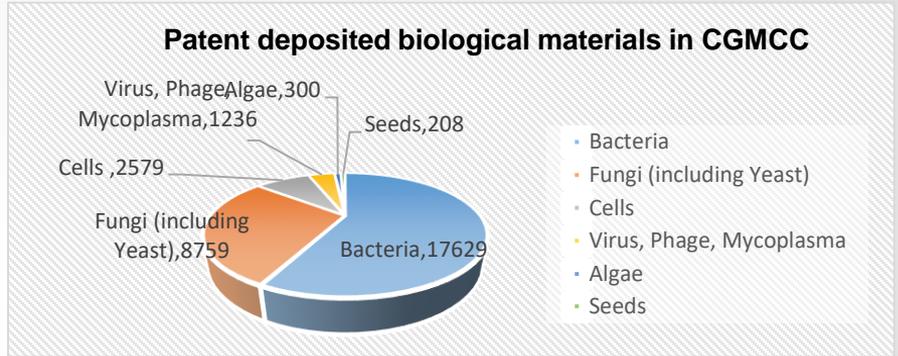
**Seeds**

**Yeasts (pathogenic and non-pathogenic)**



# General Situation of Patent Deposit in CGMCC

- ◆ Up to now, CGMCC has preserved more than 30000 biological materials as patent deposit;
- ◆ CGMCC has completed 3298 patent deposit in 2023, with an annual increase of > 13%;
- ◆ CGMCC has totally supported 33000 patents application of national biotechnology invention.



The increase of patent deposit in CGMCC



# Procedure of Patent Deposit in CGMCC

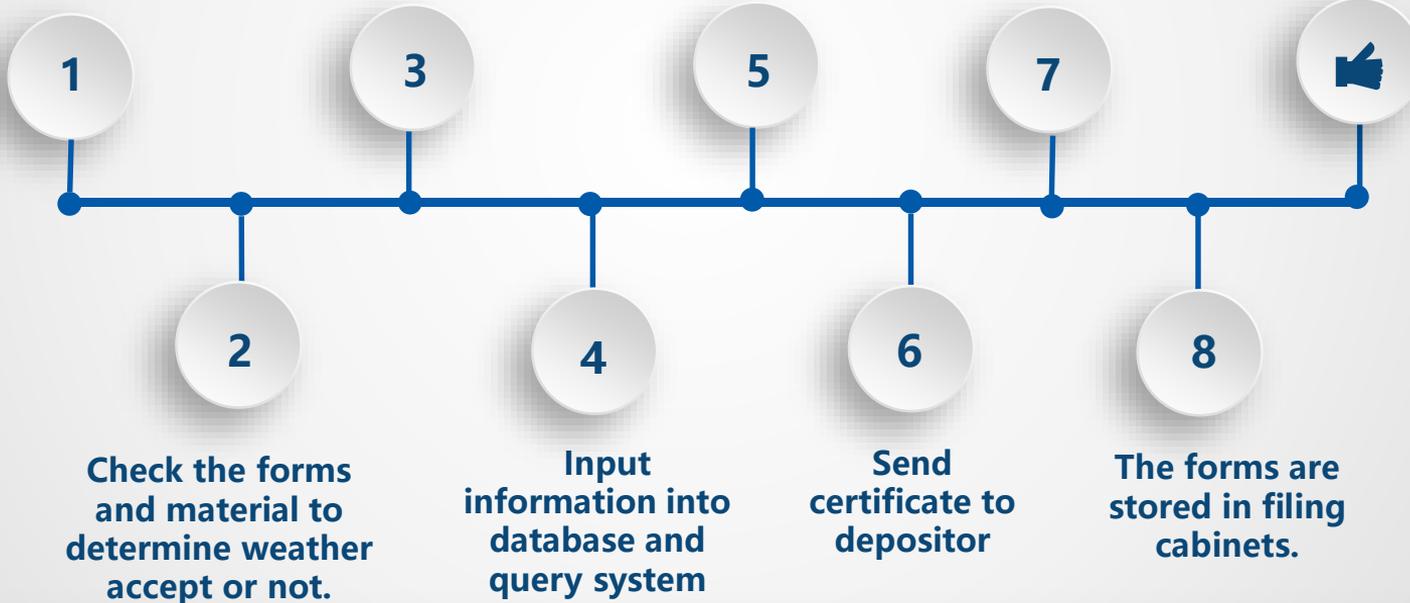
Biomaterials were received and scanned into the query system

Viability check and prepare lyophilized ampoule and frozen tube

Check fee and provide invoice

Storage and record

The patent deposit was completed



# Requirement to Be Met by Depositor



1

## Requirement for forms:

Supply all the necessary information requested by CGMCC:

- The taxonomy designation or the scientific description,
- Strain number, separation source, cultivation condition etc;
- Sign and seal on the form.

The image shows two pages of a form titled 'CGMCC form BP/1 "Budapest Treaty Deposits"'. The form is in Chinese and English. The left page contains fields for 'Name of Depositor', 'Address', 'Telephone', 'Fax', 'E-mail', 'Date of Receipt', 'Date of Expiry', 'Date of Receipt', 'Date of Expiry', 'Date of Receipt', 'Date of Expiry'. The right page contains fields for 'Name of Depositor', 'Address', 'Telephone', 'Fax', 'E-mail', 'Date of Receipt', 'Date of Expiry', 'Date of Receipt', 'Date of Expiry'. The form is partially filled out with handwritten information.

CGMCC form BP/1 "Budapest Treaty Deposits"

2

## Requirement for biological materials:

- Biosafety: the highest acceptable containment level for deposits is biosafety level (BSL) 2;
- Quantity: archaeophya, bacteria, fungi, mycoplasma, algae (5); viruses, phages, plasmids, cell lines (15); plant seeds (2,000) .



Express packages received in a normal day

3

## Re-provide forms or biological materials :

- The necessary information in forms is missing;
- The samples was broken during transportation.



# Viability Testing and Preservation

## Viability testing

Viable

Preserve the materials :  
prepares lyophilized ampoule tube  
and/or frozen tube for archaea, bacteria,  
fungi, phages, algae and cell lines.

Viable but  
not correct

Inform depositor to provide sample again;  
**If depositor insist on the correct of biomaterial,  
CGMCC will follow the decision of depositors and  
preserve them, and meanwhile record the problem  
in database;**  
**Besides, depositor should provide cryopreserved  
or freeze-dried vials to CGMCC for direct storage.**

Inviable

Contact with depositor by telephone  
and email to inform them to provide  
biomaterial and medium again.



# Management of Information

CGMCC 专利生物材料数据库

admin

数据列表

添加记录

检索

统计

当前位置:数据列表

CGMCC NO.	中文译名	属名	原始编号	操作
40900	毛木耳	Auricularia	ZJFME001	编辑 删除 打印通知书 打印EMS
40851	拟康氏木霉	Trichoderma	TM01	编辑 删除 打印通知书 打印EMS
40850	产红青霉	Penicillium	L-150	编辑 删除 打印通知书 打印EMS
40899	少孢节丛胞	Arthrobotrys	Flp18sRNA	编辑 删除 打印通知书 打印EMS
40849	木霉	Trichoderma	G24	编辑 删除 打印通知书 打印EMS
40848	绿木霉	Trichoderma	WJ561	编辑 删除 打印通知书 打印EMS
40896	斜隔刺柱孢菌	Ramularia	HC30	编辑 删除 打印通知书 打印EMS
40898	猴头曲霉	Monascus	2023H250	编辑 删除 打印通知书 打印EMS
40897	玫瑰色虫草	Cordyceps	M01	编辑 删除 打印通知书 打印EMS
40895	紫柄球囊菌	Ascospaera	Fuzhou	编辑 删除 打印通知书 打印EMS

Internal Databases for patent deposit

- Information of biological materials are inputed into an internal database which is not open to public;
- Depositor could search their accession number by using the name of depositor and the number of strains through the query window.

· 保藏编号查询 ·

原始编号:  保藏人:  (多人请用英文逗号间隔)  CGMCC NO.:  受理通知书:

说明: 请务必保持输入的内容与提交的内容一致。受理通知书下载仅限于公开保藏; 如需英文保藏证明, 请将单位名称、地址的英文发送至

· 生物材料包裹查询 ·

汇单号:   快递公司:  签收日期:  备注:

说明: 如果快递包裹中只有生物材料, 无生物材料的相关说明或者联系方式, 该生物材料以及包裹将被销毁。

订购菌种或专利保藏受理通知书寄出查询

订单编号或专利保藏编号:   EMS汇单号:  寄出日期:

说明: 1、菌种订购, 输入邮件通知的订单编号; 2、专利保藏, 输入查询到的保藏编号; 3、完成周期, 手续齐全并完成汇款, 菌种订购约2周, 专利保藏约2-3周, 此时间内, 未查到汇单号, 请耐心等待。

Query window for depositor

# Provide Certificate to Depositor



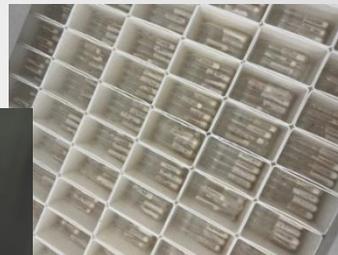
Check the fees and provide invoice to depositor.

Prepare certificate, sign and seal on it.

Sent certificate to depositor by express.



# Storage of Materials and Files



Lyophilized ampoule and frozen tube



Files

The recently storage capacity of CGMCC is 350,000 strains.



# Patent Deposit of Mixture of Microbial Cultures

- Mixtures of microbial cultures of more than two components will not be accepted;
- Mixtures of two components will be accepted only when **the depositor can provide effective and feasible method for cultivating the mixture and testing the stability of mixture during storage.**





**Thank you and welcome to  
CGMCC!**