

**International Workshop on:  
GMOs: Biosafety and Regulation (25 October 2023)**

**Risk Communication  
&  
Biosafety Clearing House (BCH)**

**Nasrin Esmailzadeh (BCH Focal Point)**

**National Institute of Genetic Engineering & Biotechnology**

# **Biotechnology & Biosafety**

**Modern Biotechnology play an important role in development and progress of human life, it has many applications in medicine, industry, environment, agriculture and so on. However potential risks are also associated with the application of modern biotechnology and genetically modified organisms. Therefore adequate safety measures has to be developed at national and international level.**

# Cartagena protocol on Biosafety

CPB is the first legally binding agreement for ensuring the safe transfer, handling and use of Living Modified Organisms (LMOs) from modern biotechnology which may have adverse effect on biological diversity and human health. It was adopted in January 2000 and entered into force on 11 Sep. 2003. So far 173 countries and EU are parties to the protocol.

CPB has 40 articles and 3 annexes.

# **Important Articles**

**Article 15: Risk Assessment**

**Article 16: Risk Management**

**Article 20: Information sharing and BCH**

**Article 23: Public Awareness and  
Participation**

## Article 15: Risk assessment

Risk assessment is covered in Article 15. Based on this article RA should be done case by case based on the latest and reliable scientific information in order to identify:

- 1) the hazard
- 2) probability of occurrence of that hazard (Risk) and;
- 3) Its Consequences (their impacts on biological diversity, Environment and human health).

# Article 16: Risk Management

- **Risk management which is covered in article 16 involves the evaluation of risks and identification of procedures to avoid or minimize the impact of the risk which may include monitoring and surveillance activities.**

**Scientists**

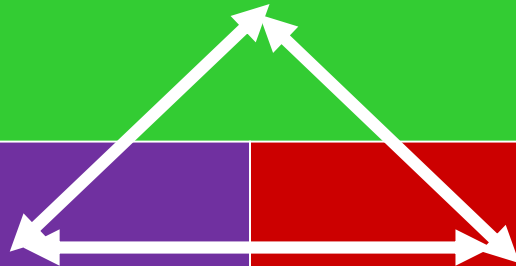
**Risk Assessment**

**Risk  
Management**

**Scientific advisory  
committees**

**Risk  
Communication**

**Stakeholders &  
Public**



# **Risk Communication**

**Risk communication involves interactive exchange of information and opinions throughout the risk analysis process. It should involve not only risk assessors and risk managers, but also public as consumers and a wide range of other actual and potential stakeholders.**



## Article 23

# PUBLIC AWARENESS AND PARTICIPATION

- The Parties shall:
- Promote and facilitate public awareness, education and participation concerning the safe transfer handling and use of LMOs

# Risk Communication

- **Risk communication should be clear, understandable, complete, honest and reliable and should build trust among all interested parties, and should influence the final decisions. Therefore stakeholder participation in decision making is a requirement of Risk Communication.**

# Sources of information

- **Media (TV, radio, newspapers,...)**
- **Journals, Brochures and bulletin,**
- **Social media**
- **Workshops & Seminars**
- **Public meetings especially involving local and indigenous people**
- **Official Websites: ISAAA, ICGEB, Codex, and OECD**

## **Article 20**

### **Information sharing and the Biosafety Clearing House**

**Biosafety Clearing House was established under Article 20 of the biosafety protocol in order to:**

- a) Facilitate the exchange of scientific, technical, environmental and legal information on and experience with LMOs,**
- b) Assist parties to implement the protocol taking into account the special needs of developing country parties.**

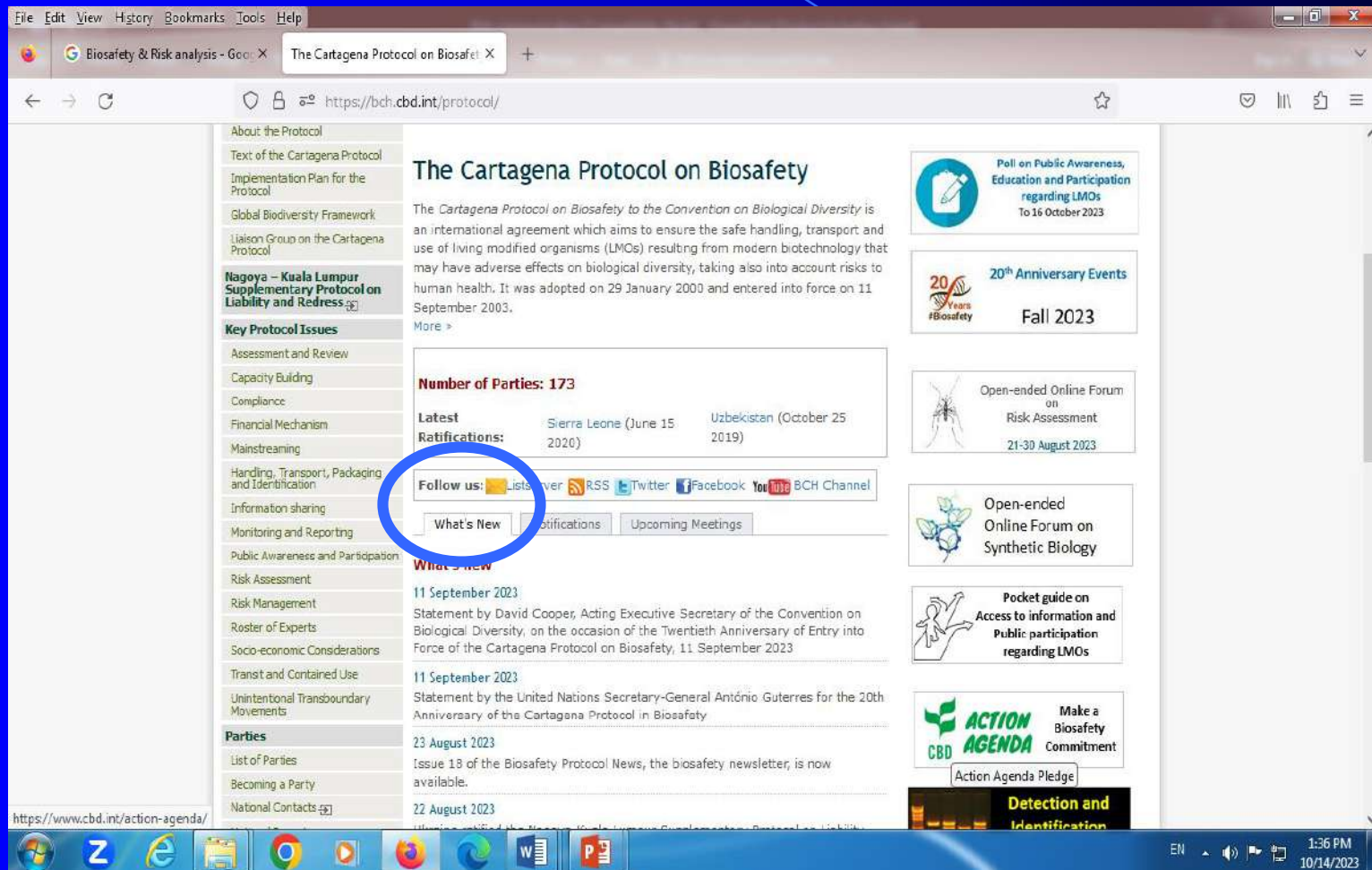
# **Biosafety Clearing House**

**BCH contains reliable information because they are registered by BCH national focal points who are designated formally by governments . Each party should nominate and introduce a person as the National focal point of BCH to the CPB. After being confirmed by the secretariat a login name and password is given to him.**

Address of the BCH website is  
**<https://bch.cbd.int/>**.

To enter the BCH we could enter through  
the Protocol website  
**<https://bch.cbd.int/protocol>**)

# https://bch.cbd.int/protocol



The screenshot shows the website <https://bch.cbd.int/protocol/> in a web browser. The browser's address bar and tabs are visible at the top. The website has a left-hand navigation menu with various links. The main content area features the title "The Cartagena Protocol on Biosafety" and a descriptive paragraph. Below this, there is a section for "Number of Parties: 173" and "Latest Ratifications" listing Sierra Leone and Uzbekistan. A "Follow us" section is highlighted with a blue circle, showing icons for YouTube, RSS, Twitter, Facebook, and YouTube BCH Channel. Below this, there is a "What's New" section with two entries dated 11 September 2023 and 23 August 2023. The right-hand side of the page contains several promotional boxes for public awareness, 20th anniversary events, and online forums.

**Navigation Menu (Left):**

- About the Protocol
- Text of the Cartagena Protocol
- Implementation Plan for the Protocol
- Global Biodiversity Framework
- Liaison Group on the Cartagena Protocol
- Nagoya – Kuala Lumpur Supplementary Protocol on Liability and Redress**
- Key Protocol Issues**
  - Assessment and Review
  - Capacity Building
  - Compliance
  - Financial Mechanism
  - Mainstreaming
  - Handling, Transport, Packaging and Identification
  - Information sharing
  - Monitoring and Reporting
  - Public Awareness and Participation
  - Risk Assessment
  - Risk Management
  - Roster of Experts
  - Socio-economic Considerations
  - Transit and Contained Use
  - Unintentional Transboundary Movements
- Parties**
  - List of Parties
  - Becoming a Party
  - National Contacts

**Main Content:**

## The Cartagena Protocol on Biosafety

The *Cartagena Protocol on Biosafety to the Convention on Biological Diversity* is an international agreement which aims to ensure the safe handling, transport and use of living modified organisms (LMOs) resulting from modern biotechnology that may have adverse effects on biological diversity, taking also into account risks to human health. It was adopted on 29 January 2000 and entered into force on 11 September 2003.

**Number of Parties: 173**

**Latest Ratifications:** Sierra Leone (June 15 2020) Uzbekistan (October 25 2019)

**Follow us:** YouTube RSS Twitter Facebook YouTube BCH Channel

**What's New**

- 11 September 2023**  
Statement by David Cooper, Acting Executive Secretary of the Convention on Biological Diversity, on the occasion of the Twentieth Anniversary of Entry into Force of the Cartagena Protocol on Biosafety, 11 September 2023
- 11 September 2023**  
Statement by the United Nations Secretary-General António Guterres for the 20th Anniversary of the Cartagena Protocol on Biosafety
- 23 August 2023**  
Issue 18 of the Biosafety Protocol News, the biosafety newsletter, is now available.
- 22 August 2023**  
Having ratified the Nagoya-Kuala Lumpur Supplementary Protocol on Liability

**Right-hand Side Promotional Boxes:**

- Poll on Public Awareness, Education and Participation regarding LMOs**  
To 16 October 2023
- 20<sup>th</sup> Anniversary Events**  
Fall 2023
- Open-ended Online Forum on Risk Assessment**  
21-30 August 2023
- Open-ended Online Forum on Synthetic Biology**
- Pocket guide on Access to information and Public participation regarding LMOs**
- ACTION AGENDA**  
Make a Biosafety Commitment  
Action Agenda Pledge
- Detection and Identification**

**Footer:** <https://www.cbd.int/action-agenda/>



File Edit View History Bookmarks Tools Help

Mail x Chargoon Didgah x The Cartagena Protocol on Biosafety x

https://bch.cbd.int/protocol/#tab=1

**Liability and Redress** September 2003. [More »](#)

**Key Protocol Issues**

- Assessment and Review
- Capacity Building
- Compliance
- Financial Mechanism
- Mainstreaming
- Handling, Transport, Packaging and Identification
- Information sharing
- Monitoring and Reporting
- Public Awareness and Participation
- Risk Assessment
- Risk Management
- Roster of Experts
- Socio-economic Considerations
- Transit and Contained Use
- Unintentional Transboundary Movements

**Parties**

- List of Parties
- Becoming a Party
- National Contacts [»](#)
- National Reports
- Status of Contributions

**COP-MOP (Governing Body)**

- COP-MOP Bureau
- COP-MOP Meetings
- COP-MOP Decisions

**Activities and Documentation**

**Number of Parties: 173**

**Latest Ratifications:** [Sierra Leone \(June 15 2020\)](#) [Uzbekistan \(October 25 2019\)](#)

**Follow us:** [RSS](#) [Twitter](#) [Facebook](#) [YouTube](#) [BCH Channel](#)

[What's New](#) **Notifications** [Upcoming Meetings](#)

**5 May 2023**  
Follow-up to decisions adopted by the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol on Biosafety at its tenth meeting

**24 April 2023**  
Extension of deadline: Nomination of experts to participate in the multidisciplinary Ad Hoc Technical Expert Group on Synthetic Biology

**10 April 2023**  
Consultations on the establishment of the Kunming-Montreal Global Biodiversity Framework Fund by the Global Environment Facility

**6 April 2023**  
Selected experts for the Ad hoc Technical Expert Group on Indicators for the Kunming-Montreal Global Biodiversity Framework

**27 March 2023**  
Nomination of experts to participate in the multidisciplinary Ad Hoc Technical Expert Group on Synthetic Biology

**24 March 2023**  
Extension of deadline: Submission of nominations for the position of Executive Secretary of the Secretariat of the Convention on Biological Diversity

**17 March 2023**  
Composition of the Informal Advisory Committee on the Biosafety Clearing-House

**13 March 2023**

**Synthetic Biology**

**Pocket guide on Access to information and Public participation regarding LMOs**

**CBD ACTION AGENDA** Make a Biosafety Commitment

**Detection and Identification Online discussions**

**Fourth National Report Questions & Answers**

**Online Portal Socio-economic Considerations**

**BCH on BCH forum**

EN 9:27 AM 5/8/2023



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رابطه

Chargoon Didgah

The Cartagena Protocol on Biosafety

←→↻

https://bch.cbd.int/protocol/#tab=2

☆

📄⬇️🔍☰

About the Protocol

Text of the Cartagena Protocol

Implementation Plan for the Protocol

Global Biodiversity Framework

Liaison Group on the Cartagena Protocol

**Nagoya – Kuala Lumpur Supplementary Protocol on Liability and Redress**

**Key Protocol Issues**

Assessment and Review

Capacity Building

Compliance

Financial Mechanism

Mainstreaming

Handling, Transport, Packaging and Identification

Information sharing

Monitoring and Reporting

Public Awareness and Participation

Risk Assessment

Risk Management

Roster of Experts

Socio-economic Considerations

Transit and Contained Use

Unintentional Transboundary Movements

**Parties**

List of Parties

Becoming a Party

National Contacts

## The Cartagena Protocol on Biosafety

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[More »](#)

**Number of Parties: 173**

**Latest Ratifications:** [Sierra Leone](#) (June 15 2020) [Uzbekistan](#) (October 25 2019)

Follow us: [Listserver](#) [RSS](#) [Twitter](#) [Facebook](#) [YouTube](#) [BCH Channel](#)

What's New

Notifications

**Upcoming Meetings**

15 - 16 May 2023, Montreal, Canada

Twelfth meeting of the Informal Advisory Committee on the Biosafety Clearing-House


22 May 2023, Montreal, Canada

International Day for Biological Diversity: "From Agreement to Action: Build Back Biodiversity"


21 October - 1 November 2024, Türkiye (Tentative)

Eleventh meeting of the Conference of the Parties serving as the meeting of the Parties to the Cartagena Protocol on Biosafety


[More Upcoming Meetings »](#)




Open-ended Online Forum on Risk Assessment of LMOs  
10 - 21 April 2023, Online



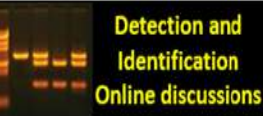
Open-ended Online Forum on Synthetic Biology




Pocket guide on Access to information and Public participation regarding LMOs




Make a Biosafety Commitment




Detection and Identification Online discussions



Fourth National Report Questions & Answers



Online Portal Socio-economic Considerations



FA 🔊 🖱️ 🖨️

10:12 AM 5/15/2023

# https://bch.cbd.int/protocol



The screenshot shows a web browser window displaying the official website of the Cartagena Protocol on Biosafety. The browser's address bar shows the URL <https://bch.cbd.int/protocol/>. The website features a green header with navigation links: "The Convention", "Cartagena Protocol", "Supplementary Protocol", "BCH" (highlighted with a blue circle), "Secretariat", and "Country Profiles...". Below the header is a banner image with the text "Cartagena Protocol on Biosafety". The main content area is titled "The Cartagena Protocol on Biosafety" and includes a description of the protocol as an international agreement for the safe handling of living modified organisms (LMOs). It also lists the number of parties (173) and provides information on the latest ratifications (Sierra Leone in June 2020 and Uzbekistan in October 2019). A sidebar on the left contains a menu with links such as "What's new", "About the Protocol", "Text of the Cartagena Protocol", "Implementation Plan for the Protocol", "Global Biodiversity Framework", "Liaison Group on the Cartagena Protocol", "Nagoya - Kuala Lumpur Supplementary Protocol on Liability and Redress", "Key Protocol Issues", "Assessment and Review", "Capacity Building", "Compliance", "Financial Mechanism", "Mainstreaming", "Handling, Transport, Packaging and Identification", "Information sharing", "Monitoring and Reporting", "Public Awareness and Participation", and "Risk Assessment". The bottom of the page features a "What's new" section with a date of 11 September 2023 and a "Follow us" section with links to various social media platforms. The Windows taskbar at the bottom shows the system clock as 1:32 PM on 10/14/2023.

File Edit View History Bookmarks Tools Help

Biosafety & Risk analysis - Google Chrome The Cartagena Protocol on Biosafety X

https://bch.cbd.int/protocol/

biological diversity

The Convention Cartagena Protocol Supplementary Protocol BCH Secretariat Country Profiles...

Cartagena Protocol on Biosafety

The Cartagena Protocol

Home | The Cartagena Protocol

What's new

About the Protocol

Text of the Cartagena Protocol

Implementation Plan for the Protocol

Global Biodiversity Framework

Liaison Group on the Cartagena Protocol

Nagoya - Kuala Lumpur Supplementary Protocol on Liability and Redress

More >

Key Protocol Issues

Assessment and Review

Capacity Building

Compliance

Financial Mechanism

Mainstreaming

Handling, Transport, Packaging and Identification

Information sharing

Monitoring and Reporting

Public Awareness and Participation

Risk Assessment

The Cartagena Protocol on Biosafety

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More >

Number of Parties: 173

Latest Ratifications:

Sierra Leone (June 15 2020)

Uzbekistan (October 25 2019)

Follow us: Listserver RSS Twitter Facebook YouTube BCH Channel

What's New Notifications Upcoming Meetings

What's new

11 September 2023

Poll on Public Awareness, Education and Participation regarding LMOs To 16 October 2023

20<sup>th</sup> Anniversary Events

Fall 2023

Open-ended Online Forum on Risk Assessment 21-30 August 2023

Open-ended Online Forum on Synthetic Biology

1:32 PM 10/14/2023



# https://bch.cbd.int

The screenshot shows a web browser window with the address bar displaying <https://bch.cbd.int/en/>. The website has a navigation bar with links: HOME, ABOUT, SEARCH, SUBMIT, COUNTRY PROFILES, HELP, FORUMS, and a dropdown menu for PROTOCOL. The main content area features a large blue banner with the text: "The Biosafety Clearing-House (BCH) is an online platform for exchanging information on Living Modified Organisms (LMOs) and a key tool for facilitating the implementation of the Cartagena Protocol on Biosafety." Below this text are three dark blue buttons: "EXPLORE THE MAP" with a globe icon, "GET STARTED" with a lightbulb icon, and "RECENT RECORDS" with a calendar icon. Underneath the buttons is a section titled "Announcements" which displays three featured items: 1. "Anniversary Activities" dated 18 Aug 2023, celebrating the 20th anniversary of the Biosafety Protocol with a webinar recording and statements from 11 September 2023 onwards. 2. "Open-ended Online Forum on Risk Assessment" dated 18 Aug 2023, featuring a background image of a DNA helix. 3. "Update on the CHRONOGRAM for the migration of the BCH" dated 08 Jun 2023, featuring a background image of a green plant in a field. A green circular chat icon with a question mark is visible in the bottom right corner of the announcement section. The Windows taskbar at the bottom shows various application icons and the system clock indicating 9:11 AM on 9/25/2023.

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BCH | Biosafety Clearing-House X

← → ↻ 🔒 📄 https://bch.cbd.int/en/ ☆ 🛡️ 📄 📄 ☰

HOME ABOUT SEARCH SUBMIT COUNTRY PROFILES HELP FORUMS PROTOCOL

The Biosafety Clearing-House (BCH) is an online platform for exchanging information on Living Modified Organisms (LMOs) and a key tool for facilitating the implementation of the Cartagena Protocol on Biosafety.

🌐 EXPLORE THE MAP ↓ 💡 GET STARTED ↓ 📅 RECENT RECORDS ↓

## Announcements

**Anniversary Activities** 18 Aug 2023

20th Anniversary of the Biosafety Protocol

From 11 September 2023 and onwards

Webinar recording

Statements and Presentations

**Webinar "20 Years of the Safe Use of Biotechnology"**

Recording of the webinar, held on 11 September

18 Aug 2023

**Open-ended Online Forum on Risk Assessment**

08 Jun 2023

**Update on the CHRONOGRAM for the migration of the BCH**

Update on the nine activities that were set out in

9:11 AM 9/25/2023

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Chargoon Didgah x BCH | Biosafety Clearing-House x

https://bch.cbd.int/en/

Convention on Biological Diversity SIGN IN EN ?

# BCH BIOSAFETY CLEARING-HOUSE

HOME ABOUT **SEARCH** SUBMIT COUNTRY PROFILES HELP FORUMS PROTOCOL

The Biosafety Clearing-House (BCH) is an online platform for exchanging information on Living Modified Organisms (LMOs) and a key tool for facilitating the implementation of the Cartagena Protocol on Biosafety.

EXPLORE THE MAP GET STARTED RECENT RECORDS

## Announcements

10 Apr 2023 24 Mar 2023 15 Feb 2023

FA 2:43 PM 4/15/2023



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Chargoon Didgah BCH | Biosafety Clearing-House X

← → ↻ https://bch.cbd.int/en/ ☆

Convention on Biological Diversity SIGN IN EN ?

# BCH BIOSAFETY CLEARING-HOUSE

HOME ABOUT SEARCH SUBMIT COUNTRY PROFILES HELP FORUMS PROTOCOL

Records

Registries

- LMO
- Organism
- Gene

Submissions to Notifications

National Report Analyzer

GET STARTED ↓

RECENT RECORDS ↓

The Biosafety Clearing-House (BCH) is an online platform for exchanging information on Living Modified Organisms (LMOs) and facilitating the implementation of the Cartagena Protocol on Biosafety.

## Announcements

10 Apr 2023

24 Mar 2023

15 Feb 2023

https://bch.cbd.int/en/search

FA 2:46 PM 4/15/2023

File Edit View History Bookmarks Tools Help

Chargoon Didgah Search | Biosafety Clearing-House

https://bch.cbd.int/en/search

Convention on Biological Diversity SIGN IN EN ?

# BCH BIOSAFETY CLEARING-HOUSE

HOME ABOUT SEARCH SUBMIT COUNTRY PROFILES HELP FORUMS PROTOCOL

CBD / BCH / Search

## Search

Search the Clearing-House

TAKE SEARCH TOUR

DEFAULT VIEW SORT SHARE EXPORT

GLOBAL FILTER Record types Keywords Country Regions Date

All records 17012 National records 9454 Reference records 6522 SCBD records 1036

Page 1 of 683 « First < Prev 1 2 3 4 5 6 Next > Last » 1 - 25 of 17064 Items per page 25

### National Institute of Agricultural Innovation

National regulation on biosafety in the agricultural sector with regard to living genetically modified plants, animals and microorganisms and products derived from them, for agricultural or forestry use as well as LMOs that are used for animal feed and primary processing.

2:42 PM 4/15/2023

# National Records

The screenshot shows a web browser window with the URL <https://bch.cbd.int/en/search>. The page features a dark blue header with navigation tabs: "GLOBAL FILTERS:", "Record types", "Keywords", "Country", "Regions", and "Date". The "Record types" tab is active, displaying a list of record categories under the heading "National Records".

**National Records**

Information: National records are published by governments and include information Parties are obliged to provide in accordance with the Protocol as well as other national information relevant to the implementation of the Protocol.

- National Focal Points (346)
- Competent National Authorities (406)
- Supplementary Protocol Competent Authorities (13)
- Biosafety Laws, Regulations, Guidelines and Agreements (1144)
- Countries' Decisions or any other Communications (2749)
- Risk Assessments generated by a regulatory process (2632)
- National Biosafety Websites or Databases (151)
- Fourth National Reports on the Implementation of the Cartagena Protocol on Biosafety (136)
- Third National Reports on the Implementation of the Cartagena Protocol on Biosafety (160)
- Second National Reports on the Implementation of the Cartagena Protocol on Biosafety (156)
- First National Reports on the Implementation of the Cartagena Protocol on Biosafety (0)
- Interim National Reports on the Implementation of the Cartagena Protocol on Biosafety (0)
- Biosafety Experts (364)
- Country Profiles for Biosafety Clearing-House (168)
- Contacts (2469)

**Reference Records**

Information: Reference records include a number of biosafety-related resources and information that can be submitted by any registered user and are validated by the Secretariat prior to their publication.

- Biosafety Virtual Library Resources (1572)

**Party Status**

- Party to the Cartagena Protocol on Biosafety
- Party to the Supplementary Protocol
- Ratified, not yet Party to the Cartagena Protocol on Biosafety
- Not a Party to the Cartagena Protocol on Biosafety

The Windows taskbar at the bottom shows the time as 11:01 AM on 9/2/2023.

# Reference Records

The screenshot shows a web browser window with the address bar displaying <https://bch.cbd.int/en/search>. The page content is organized into several sections:

- Biosafety Experts (365)**
- Country Profiles for Biosafety Clearing-House (168)**
- Contacts (2470)**
- Reference Records**
  - Reference records include a number of biosafety-related resources and information that can be submitted by any registered user and are validated by the Secretariat prior to their publication.
  - Biosafety Virtual Library Resources (1575)**
  - Biosafety Organizations (380)**
  - Laboratories for detection and identification of LMOs (75)**
  - Living Modified Organisms (944)**
  - Genetic elements (861)**
  - Organisms (272)**
  - Risk Assessments generated by an independent or non-regulatory process (32)**
  - Capacity Development Initiatives (423)**
  - BCH News (558)**
- SCBD Records**
  - Information published by the SCBD. This includes meetings, news stories, notifications and statements.
  - News (0)**
  - Notifications (668)**
  - What's New (37)**
  - Meetings (272)**
  - Statements (46)**
  - Press Releases (101)**
  - Meeting Documents (0)**

The Windows taskbar at the bottom shows the time as 12:03 PM on 10/14/2023. A green circular help icon with a question mark is visible in the bottom right corner of the browser window.



# Number of Records in BCH

- There are about 16,000 records in the BCH, including about 2600 risk assessment records.

# Risk Assessment Records

The screenshot shows a web browser window with the URL <https://bch.cbd.int/en/search>. The page features a dark blue header with navigation tabs: "GLOBAL FILTERS:", "Record types", "Keywords", "Country", "Regions", and "Date". Below the header, the "National Records" section is active, displaying a list of record types with their respective counts. A red arrow points to the "Risk Assessments generated by a regulatory process (2632)" entry. To the right, the "Party Status" section is visible, showing a legend for the Cartagena Protocol on Biosafety. The bottom of the page includes a "Reference Records" section and a system tray with various application icons and a clock showing 11:01 AM on 9/2/2023.

**GLOBAL FILTERS:** Record types Keywords Country Regions Date

### National Records

National records are published by governments and include information Parties are obliged to provide in accordance with the Protocol as well as other national information relevant to the implementation of the Protocol.

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- Third National Reports on the Implementation of the Cartagena Protocol on Biosafety (160)
- Second National Reports on the Implementation of the Cartagena Protocol on Biosafety (156)
- First National Reports on the Implementation of the Cartagena Protocol on Biosafety (0)
- Interim National Reports on the Implementation of the Cartagena Protocol on Biosafety (0)
- Biosafety Experts (364)
- Country Profiles for Biosafety Clearing-House (168)
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- Party to the Supplementary Protocol
- Ratified, not yet Party to the Cartagena Protocol on Biosafety
- Not a Party to the Cartagena Protocol on Biosafety

11:01 AM 9/2/2023

## Scope of the risk assessment



3keywords selected.

☐ Search related ^

Clear selection

☐ LMOs for introduction into the environment

☐ commercial production

☐ field trial

☐ LMOs for contained use

☒ LMOs for direct use as food

☒ LMOs for direct use as feed

☒ LMOs for processing

☐ Other

Apply

RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265469-1 | 15 OCT 2023

**Assessment of genetically modified maize MON 95379 for food and feed uses, under Regulation (EC) No 1829/2003 (EFSA-GMO-NL-2020-170)**

MON-95379-3 - Insect-protected maize | Maize, Corn, MAIZE, Resistance to diseases and pests

RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265469-1 | 22 SEP 2023

# Risk assessment records

The screenshot displays a web application interface for "Biosafety & Risk analysis". The browser address bar shows the URL: <https://bch.cbd.int/en/search?currentPage=1&schema=nationalRiskAssessment>.

**SUB-FILTERS**

- Risk Assessments generated by a regulatory process** (Active)
- Free Text**: Search in Risk Assessments generate
- Scope of the risk assessment**
  - LMOs for direct use as food
  - LMOs for direct use as feed
  - LMOs for processing
- Living modified organism**
- Modified traits**
- Genetic element**
- Techniques used for the modification**
- Parental organism (common name)**
- Parental organism (scientific name)**
- Date of risk assessment**

**Record Summary**

- All records: 1473
- National records: 1473
- Reference records: 0
- SCBD records: 0

**Page 1 of 59** | « First | « Prev | 1 | 2 | 3 | 4 | 5 | 6 | Next » | Last » | 1 - 25 of 1473 | Items per page: 25

**Assessment of genetically modified maize MIR162 for renewal authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-RX-025)**  
SYN-IR162-4 - Agrisure™ Viptera maize | Maize, Corn, MAIZE, Resistance to diseases and pests  
RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265615-1 | 13 OCT 2023

**Assessment of genetically modified maize MON 87419 for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2017-140)**  
MON-87419-8 - Dicamba and Glufosinate Tolerant Maize | Maize, Corn, MAIZE, Resistance to herbicides  
RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265614-1 | 13 OCT 2023

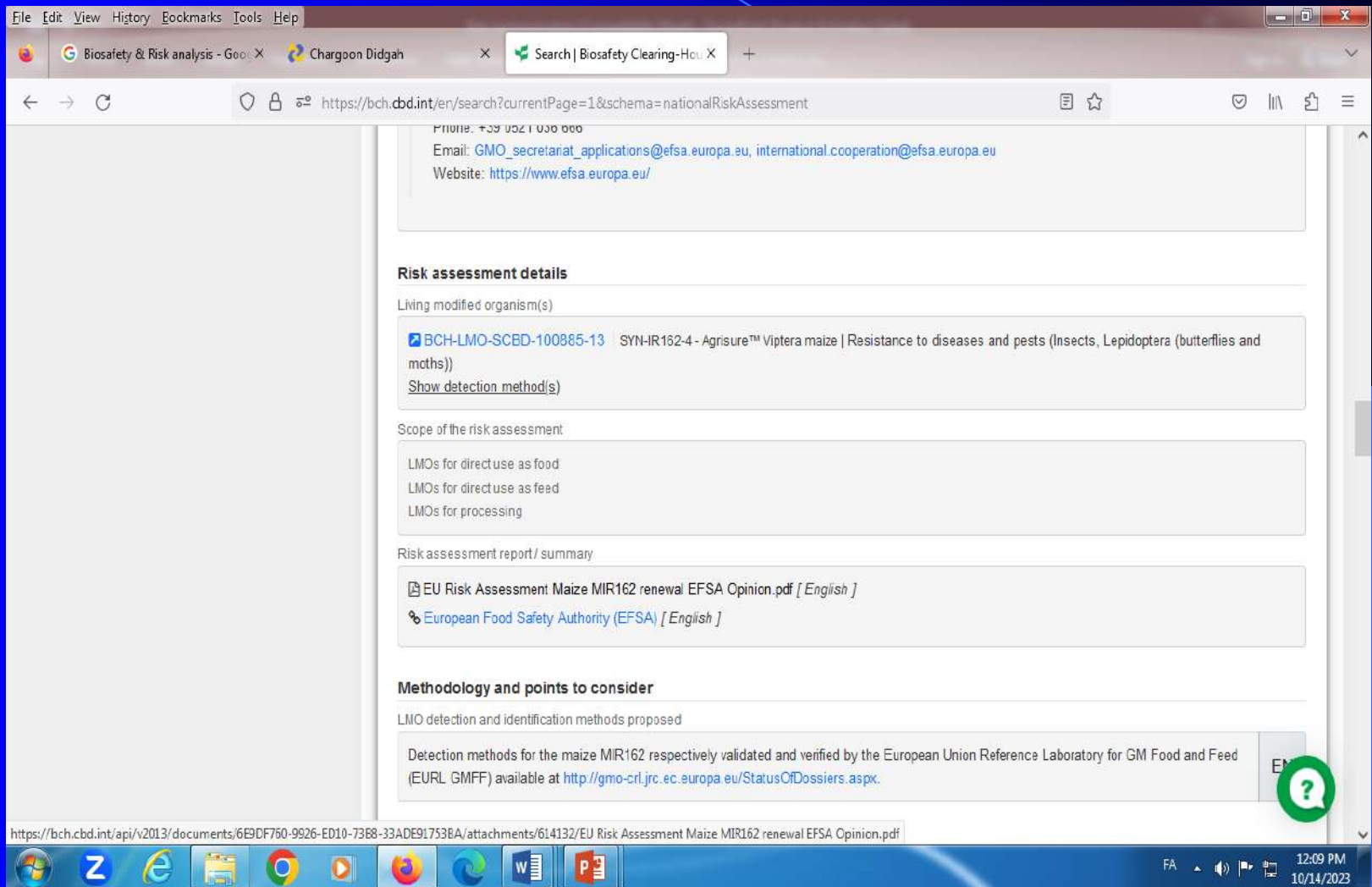
**Assessment of genetically modified maize GA21 × T25 for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-DE-2016-137)**  
MON-00021-9 × ACS-ZM003-2 - Herbicide tolerant Corn | Maize, Corn, MAIZE, Resistance to herbicides  
RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265613-1 | 13 OCT 2023

**Assessment of genetically modified maize MON 95379 for food and feed uses, under Regulation (EC) No 1829/2003 (application EFSA-GMO-NL-2020-170)**  
MON-95379-3 - Insect-protected maize | Maize, Corn, MAIZE, Resistance to diseases and pests  
RISK ASSESSMENT GENERATED BY A REGULATORY PROCESS | EUROPEAN UNION | BCH-RA-EU-265469-1 | 22 SEP 2023

The interface includes a Windows taskbar at the bottom with various application icons and a system clock showing 12:05 PM on 10/14/2023.



# Risk assessment reports



The screenshot shows a web browser window with the address bar displaying <https://bch.cbd.int/en/search?currentPage=1&schema=nationalRiskAssessment>. The browser has three tabs: "Biosafety & Risk analysis - Google", "Chargoon Didgah", and "Search | Biosafety Clearing-Hou X".

The main content area displays the following information:

- Phone:** +39 0521 030 000
- Email:** [GMO\\_secretariat\\_applications@efsa.europa.eu](mailto:GMO_secretariat_applications@efsa.europa.eu), [international.cooperation@efsa.europa.eu](mailto:international.cooperation@efsa.europa.eu)
- Website:** <https://www.efsa.europa.eu/>

**Risk assessment details**

Living modified organism(s)

[BCH-LMO-SCBD-100885-13](#) SYN-IR162-4 - Agrisure™ Viptera maize | Resistance to diseases and pests (Insects, Lepidoptera (butterflies and moths))

[Show detection method\(s\)](#)

Scope of the risk assessment

LMOs for direct use as food  
LMOs for direct use as feed  
LMOs for processing

Risk assessment report / summary

[EU Risk Assessment Maize MIR162 renewal EFSA Opinion.pdf](#) [ English ]  
[European Food Safety Authority \(EFSA\)](#) [ English ]

**Methodology and points to consider**

LMO detection and identification methods proposed

Detection methods for the maize MIR162 respectively validated and verified by the European Union Reference Laboratory for GM Food and Feed (EURL GMFF) available at <http://gmo-crl.jrc.ec.europa.eu/StatusOfDossiers.aspx>.

The browser's taskbar at the bottom shows various application icons (Windows, Z, e, File Explorer, Chrome, Edge, Firefox, Word, PowerPoint) and the system clock indicating 12:09 PM on 10/14/2023.

# Risk assessment reports

The screenshot shows a web browser window with multiple tabs. The active tab is titled "Assessment of genetically modified X". The address bar shows a URL from an Amazon S3 bucket. The browser interface includes a sidebar with a document viewer showing thumbnails of a 13-page report. The main content area displays the title "SCIENTIFIC OPINION" and the EFSA Journal logo. Below this, it states "ADOPTED: 1 September 2022" and "doi: 10.2903/j.efsa.2022.7562". The main title of the report is "Assessment of genetically modified maize MIR162 for renewal authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-RX-025)". The authors listed are the EFSA Panel on Genetically Modified Organisms (GMO), including Ewen Mullins, Jean-Louis Bresson, Tamas Dalmay, Ian Crawford Dewhurst, Michelle M Epstein, Leslie George Firbank, Philippe Guerche, Jan Hejatko, Francisco Javier Moreno, Hanspeter Naegeli, Fabien Nogué, Nils Rostoks, Jose Juan Sánchez Serrano, Giovanni Savoini, Eve Veromann, Fabio Veronesi, Ana Martín Camargo, Tilemachos Goumperis, Dafni Maria Kagkli, Paolo Lenzi, Aleksandra Lewandowska, Tommaso Raffaello, and Franz Streissl. The word "Abstract" is visible at the bottom of the page.

File Edit View History Bookmarks Tools Help

Biosafety & Risk analysis - Google X Chargeon Didgah X Search | Biosafety Clearing-House X Assessment of genetically modified X

https://s3.amazonaws.com/km.documents.attachments/af6c2a03/3779dfbd9433ef6b3ac607fd?AWSAccessKeyId=AKIAT3...

1 of 13 Automatic Zoom

Check for updates

**SCIENTIFIC OPINION**

**EFSA Journal**

ADOPTED: 1 September 2022  
doi: 10.2903/j.efsa.2022.7562

**Assessment of genetically modified maize MIR162 for renewal authorisation under Regulation (EC) No 1829/2003 (application EFSA-GMO-RX-025)**

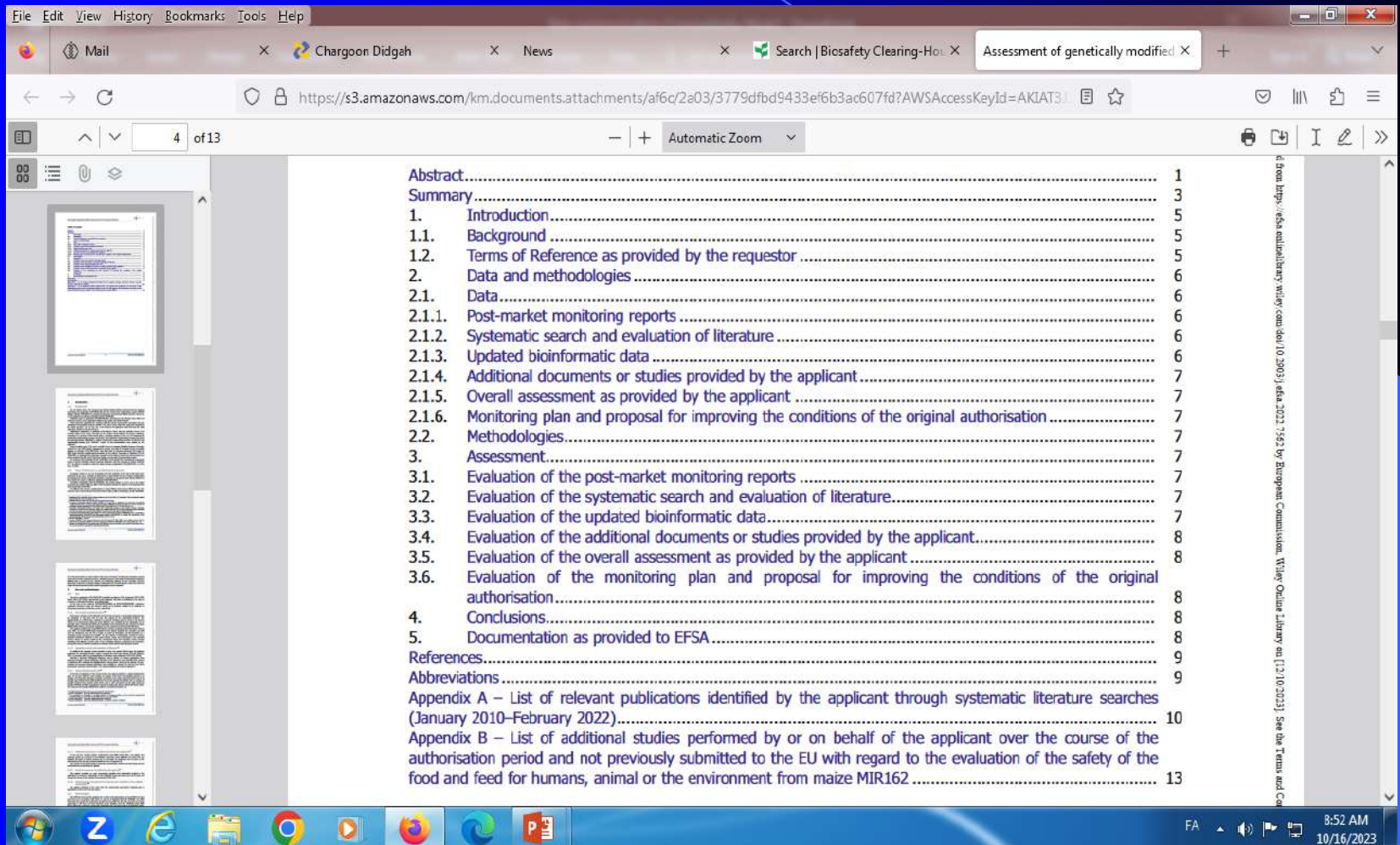
EFSA Panel on Genetically Modified Organisms (GMO),  
Ewen Mullins, Jean-Louis Bresson, Tamas Dalmay, Ian Crawford Dewhurst,  
Michelle M Epstein, Leslie George Firbank, Philippe Guerche, Jan Hejatko,  
Francisco Javier Moreno, Hanspeter Naegeli, Fabien Nogué, Nils Rostoks,  
Jose Juan Sánchez Serrano, Giovanni Savoini, Eve Veromann, Fabio Veronesi,  
Ana Martín Camargo, Tilemachos Goumperis, Dafni Maria Kagkli, Paolo Lenzi,  
Aleksandra Lewandowska, Tommaso Raffaello and Franz Streissl

**Abstract**

Following the submission of application EFSA-GMO-RX-025 under Regulation (EC) No 1829/2003 from

Windows taskbar: 12:08 PM 10/14/2023

# Risk assessment reports



The screenshot shows a web browser window with multiple tabs. The active tab is titled "Assessment of genetically modified X". The address bar shows a URL from Amazon S3. The main content area displays a table of contents for a document. On the left, there is a sidebar with a list of document thumbnails. The table of contents lists sections from Abstract to Appendix B, with corresponding page numbers. The Windows taskbar is visible at the bottom, showing various application icons and the system clock.

Abstract.....	1
Summary.....	3
1. Introduction.....	5
1.1. Background.....	5
1.2. Terms of Reference as provided by the requestor.....	5
2. Data and methodologies.....	6
2.1. Data.....	6
2.1.1. Post-market monitoring reports.....	6
2.1.2. Systematic search and evaluation of literature.....	6
2.1.3. Updated bioinformatic data.....	6
2.1.4. Additional documents or studies provided by the applicant.....	7
2.1.5. Overall assessment as provided by the applicant.....	7
2.1.6. Monitoring plan and proposal for improving the conditions of the original authorisation.....	7
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4. Conclusions.....	8
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Appendix B – List of additional studies performed by or on behalf of the applicant over the course of the authorisation period and not previously submitted to the EU with regard to the evaluation of the safety of the food and feed for humans, animal or the environment from maize MIR162.....	13



# Living Modified Organisms

File Edit View History Bookmarks Tools Help

Mail X Chargoon Didgah X News X Search | Biosafety Clearing-Hou X Assessment of genetically modified X +

← → ↻ 🔒 https://bch.cbd.int/en/search?currentPage=1&schema=modifiedOrganism 📄 ☆ 📌 📄 📄 📄

## SUB-FILTERS

- Living Modified Organisms

Free Text

Search in Living Modified Organisms 🔍

Common use(s) of the LMO >

Techniques used for the modification >

Modified traits >

Unique Identifier >

Genetic element >

Recipient organism common name >

Recipient organism scientific name >

Donor organism common name >

Donor organism scientific name >

All records 944 National records 0 Reference records 944 SCBD records 0

Page 1 of 38 « First < Prev 1 2 3 4 5 6 Next > Last » 1 - 25 of 944 Items per page 25 ▾

**MON-95275-7 - Coleoptera-protected maize**

Bayer CropScience | Resistance to diseases and pests (Insects, Coleoptera (beetles), Colorado potato beetle (*Leptinotarsa decemlineata*), Western corn rootworm (*Diabrotica virgifera*), Northern corn rootworm (*Diabrotica barberi*))

LIVING MODIFIED ORGANISM | BCH-LMO-SCBD-253095-2 | 07 SEP 2023

**DP-910521-2 - Insect-resistant and herbicide-tolerant maize**

Corteva Agriscience, Pioneer Hi-Bred International Inc. | Mannose metabolism, Resistance to diseases and pests (Insects, Lepidoptera (butterflies and moths), Cotton bollworm (*Helicoverpa* spp.), European corn borer (*Ostrinia nubilalis*), Fall armyworm (*Spodoptera frugiperda*)), Resistance to herbicides (Glufosinate), Selectable marker genes and reporter genes

LIVING MODIFIED ORGANISM | BCH-LMO-SCBD-255294-1 | 06 SEP 2023

**DAS-01131-3 - Insect-resistant and herbicide-tolerant maize**

Pioneer Hi-Bred International Inc., Corteva Agriscience | Resistance to diseases and pests (Insects, Lepidoptera (butterflies and moths), Cotton bollworm (*Helicoverpa* spp.), European corn borer (*Ostrinia nubilalis*), Fall armyworm (*Spodoptera frugiperda*)), Resistance to herbicides (Glyphosate)

LIVING MODIFIED ORGANISM | BCH-LMO-SCBD-255213-2 | 24 AUG 2023

**DBN-09004-6 - Glyphosate and Glufosinate tolerant soybean**

Bioceres S.A. | Resistance to herbicides (Glufosinate, Glyphosate)

LIVING MODIFIED ORGANISM | BCH-LMO-SCBD-115067-2 | 09 MAY 2023

Windows Taskbar: Z, e, File Explorer, Chrome, VLC, Firefox, Edge, PowerPoint

System Tray: FA, 8:59 AM, 10/16/2023



# Living Modified Organisms

File Edit View History Bookmarks Tools Help

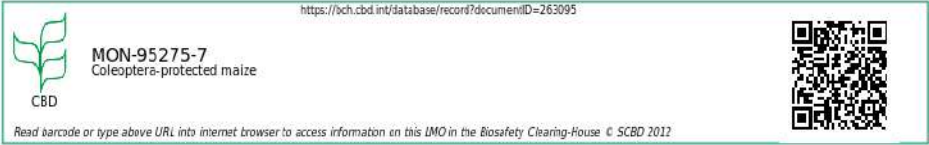
Mail x Chargoon Didgah x News x Search | Biosafety Clearing x MON-95275-7 - Coleoptera x Assessment of genetically modified x

https://bch.cbd.int/en/database/record?documentID=263095

Decisions on the LMO Risk Assessments PUBLISHED: 06 FEB 2023 LAST UPDATED: 07 SEP 2023

### Living Modified Organism identity

The image below identifies the LMO through its unique identifier, trade name and a link to this page of the BCH. Click on it to download a larger image on your computer. For help on how to use it go to the LMO quick-links page.



MON-95275-7  
Coleoptera-protected maize

Read barcode or type above URL into internet browser to access information on this LMO in the Biosafety Clearing-House. © SCBD 2012

Name

Coleoptera-protected maize EN

Transformation event

MON95275

Does this LMO have a unique identifier?

Yes

Unique identifier

MON-95275-7

Developer(s)

- PERSON: BAYER CROPSCIENCE BAYER CROPSCIENCE | BCH-CON-US-7091-2

PERSON:

Bayer CropScience Bayer CropScience

9:02 AM  
10/16/2023

# Country Profile

File Edit View History Bookmarks Tools Help

Biosafety & Risk analysis - Google... Chargoon Didgah Biosafety Clearing-House | Bio...

← → ↻ 🔒 🔑 🔍 https://bch.cbd.int/en/countries

Convention on Biological Diversity

SIGN IN EN ?

## BCH BIOSAFETY CLEARING-HOUSE


HOME ABOUT SEARCH SUBMIT COUNTRY PROFILES HELP FORUMS PROTOCOL

CBD / BCH / Country profiles

Iran

Iran (Islamic Republic of)

Overview - List all countries →



European Union

https://bch.cbd.int/en/countries/IR

### National Records


346	National Focal Points
406	Competent National Authority
13	Supplementary Protocol Competent Authority
1146	Biosafety Law, Regulation, Guidelines and Agreements
2754	Country's Decision or any other Communication
2639	Risk Assessment generated by a regulatory process
151	National Biosafety Website or Database
136	Fourth National Report on the Implementation of the Cartagena Protocol on Biosafety
160	Third National Report on the Implementation of the Cartagena Protocol on Biosafety
365	Biosafety Expert
168	Country Profile for Biosafety Clearing-House

EN 12:14 PM 10/14/2023

File Edit View History Bookmarks Tools Help

Mail X Chargoon Didgah X Iran (Islamic Republic of) | Cou X bulletin 55.pdf X +

← → ↻ https://bch.cbd.int/en/countries/IR




JS map by amCharts

Disclaimer

173 Parties to the Cartagena Protocol

0 Ratified, not yet Party ⓘ

25 Non-Parties




# Iran (Islamic Republic of)

## Party to the Cartagena Protocol on Biosafety

(since 18 Feb 2004)

Not a Party to the Nagoya - Kuala Lumpur Supplementary Protocol on Liability and Redress

CBD Country Profile: [www.cbd.int/countries/?country=ir](http://www.cbd.int/countries/?country=ir)



Competent Authority

13

Biosafety Law, Regulation, Guidelines and Agreements

62

Country's Decision or any other Communication

62

Risk Assessment generated by a regulatory process

1

National Biosafety Website or Database

1

Fourth National Report on the Implementation of the Cartagena Protocol on Biosafety

1









Third National Report on the Implementation of the Cartagena Protocol on Biosafety

5

Biosafety Expert

1

Country Profile for Biosafety Clearing-House



EN 9:35 AM 5/17/2023

# Islamic Republic of Iran

- Signed the CPB on 23 April 2001,
- Ratified the CPB on 20 November 2003,
- Is a party to the protocol since 18 Feb. 2004.
- Iran Biosafety Law was approved on 29 July 2009 and entered into force on 27 August 2009.



CBD / BCH / Country profiles / Iran (Islamic Republic of)



## Iran (Islamic Republic of)

### Party to the Cartagena Protocol

- 2 National Focal Points
- 3 Competent National Authority
- 0 Supplementary Protocol Competent Authority
- 13 Biosafety Law, Regulation, Guidelines and Agreements
- 62 Country's Decision or any other Communication
- 62 Risk Assessment generated by a regulatory process
- 1 National Biosafety Website or Database
- 1 Fourth National Report on the Implementation of the Cartagena Protocol on Biosafety
- 1 Third National Report on the Implementation of the Cartagena Protocol on Biosafety
- 5 Biosafety Expert
- 1 Country Profile for Biosafety Clearing-House



JS map by amCharts

# BCH Capacity Building Project

- Due to the important role of the BCH in implementation of the protocol the UNEP-GEF capacity building project for effective participation of the in the BCH was approved by the GEF. 130 countries including I.R. Iran participated in this project.
- National Institute of Genetic Engineering and Biotechnology which has the responsibility of BCH since 2003 applied for the project.

# UNEP-GEF Project for Effective Participation in the Biosafety Clearing House

- **Start Date : August 2008**
- **End Date: August 2009**
- **Establishment of BCH task force consisting of representatives from Ministry of Science, Ministry of Health, Ministry of Agriculture, Ministry of Commerce, and Department of Environment and held the meetings**

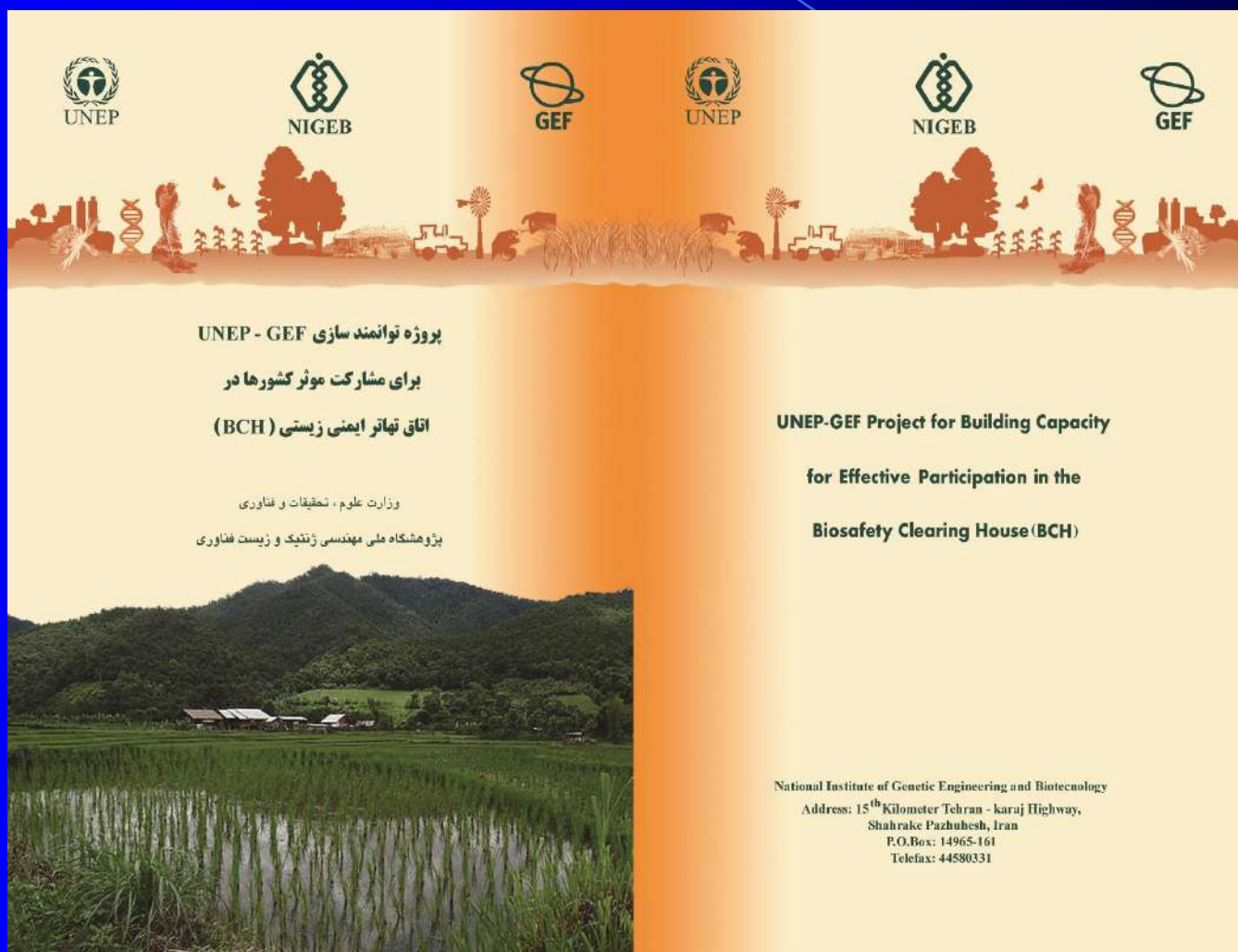
# Outcomes Project

## 1- Holding three National workshops





## 2- Publication of BCH Booklet



# 3- Creation of the Iran Biosafety Clearing House website

<http://ir.biosafetyclearinghouse.net>



# Iran Biosafety Clearing House

- Iran BCH has two main features:
- 1- Displaying the information registered by Iran on the main BCH;
- 2- Registering News and other biosafety information in national language.


# National Contacts


File Edit View History Bookmarks Tools Help

translation english to farsi - Google  
National Contacts

ir.biosafetyclearinghouse.net/contacts.shtml

Sign In | Sign up for an account AR | EN | PER

 **IRAN Biosafety Clearing-House** **اتاق تهاتر ایمنی زیستی ایران**



**National BCH**

National Contacts

**Ministry of Health and Medical Education, Dr. Faramarz Khodaiyan**  
COMPETENT NATIONAL AUTHORITY | IRAN (ISLAMIC REPUBLIC OF) | BCH-CNA-IR-104989-9 | 19 APR 2023

**Department of Environment, Dr. Mohammad Hossein Bazgir**  
COMPETENT NATIONAL AUTHORITY | IRAN (ISLAMIC REPUBLIC OF) | BCH-CNA-IR-5515-13 | 15 MAR 2023

**Dr. Gholamreza Salehi Jouzani**  
NATIONAL FOCAL POINTS | IRAN (ISLAMIC REPUBLIC OF) | CHM-NFP-IR-258133-8 | 23 JAN 2022

**Ministry of Agriculture-Jahad - Dr. Mojtaba Khayam Nekouei**  
COMPETENT NATIONAL AUTHORITY | IRAN (ISLAMIC REPUBLIC OF) | BCH-CNA-IR-100963-8 | 09 JAN 2022

**Ms. Nasrin Sadat Esmaeilzadeh Arabi**  
NATIONAL FOCAL POINTS | IRAN (ISLAMIC REPUBLIC OF) | CHM-NFP-IR-210038-9 | 17 MAY 2021

**Iran Biosafety Clearing House**  
NATIONAL BIOSAFETY WEBSITE OR DATABASE | IRAN (ISLAMIC REPUBLIC OF) | BCH-NDB-IR-5100-3 | 03 MAR 2009

**NATIONAL BCH**  
About I.R.Iran  
News  
National Contacts  
National Focal Points  
Competent National Authorities  
National Websites and Databases  
Laws and Regulations  
Country's Decisions and other Communications  
Risk Assessments  
Capacity-Building  
Roster of Experts  
Publications  
National Biosafety Council  
Ministry of Agriculture  
\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification

EN 10:38 AM 10/9/2023




# Laws and Regulations


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ir.biosafetyclearinghouse.net/laws.shtml

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 **IRAN Biosafety Clearing-House** **اتاق تهاتر ایمنی زیستی ایران**



**National BCH**

About I.R.Iran

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National Focal Points

Competent National Authorities

National Websites and Databases

**Laws and Regulations**

Country's Decisions and other Communications

Risk Assessments

Capacity-Building

Roster of Experts

Publications

National Biosafety Council

Ministry of Agriculture

\* Iran Veterinary Organization

\* Plant Protection Organization

\* Seed and Plant Certification

**Laws and Regulations**

**Rules for Registration and Import of Biological Products**

BIO SAFETY LAW, REGULATION, GUIDELINES AND AGREEMENTS | IRAN (ISLAMIC REPUBLIC OF) | BCH-LAW-IR-108886-2 | REGULATION OR ADMINISTRATIVE MEASURE | NATIONAL / FEDERAL | 07 MAY 2023

**Guidelines for Contained Field Trials of Genetically Modified Plants**

BIO SAFETY LAW, REGULATION, GUIDELINES AND AGREEMENTS | IRAN (ISLAMIC REPUBLIC OF) | BCH-LAW-IR-116228-2 | GUIDELINES | NATIONAL / FEDERAL | 06 AUG 2021

**Guidelines on how to issue permits to living modified organisms with stacked events**

BIO SAFETY LAW, REGULATION, GUIDELINES AND AGREEMENTS | IRAN (ISLAMIC REPUBLIC OF) | BCH-LAW-IR-116229-3 | GUIDELINES | NATIONAL / FEDERAL | 06 AUG 2021

**Executive regulation of Article 5 of Iran Biosafety Law, in order to remove production obstacles**

BIO SAFETY LAW, REGULATION, GUIDELINES AND AGREEMENTS | IRAN (ISLAMIC REPUBLIC OF) | BCH-LAW-IR-116227-1 | REGULATION OR ADMINISTRATIVE MEASURE | NATIONAL / FEDERAL | 25 JUL 2021

**Procedure for approval of importing transgenic events for animal feed consumption**

BIO SAFETY LAW, REGULATION, GUIDELINES AND AGREEMENTS | IRAN (ISLAMIC REPUBLIC OF) | BCH-LAW-IR-116138-2 | REGULATION OR ADMINISTRATIVE MEASURE | NATIONAL / FEDERAL | 06 AUG 2021

EN 10:40 AM 10/9/2023



# Iran BCH (Home page)

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translation english to farsi - Google Search | Biosafety Clearing-House

ir.biosafetyclearinghouse.net/default.shtml

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EN | PER

## IRAN Biosafety Clearing-House

## اتاق تهاتر ایمنی زیستی ایران

اتاق تهاتر ایمنی زیستی جمهوری اسلامی ایران

اتاق تهاتر ایمنی زیستی یک سازوکار تبادل اطلاعاتی است که به موجب ماده ۲۰ پروتکل ایمنی زیستی کارتاها برای تسهیل تبادل اطلاعات علمی، فنی، زیست محیطی و تجربیات بدست آمده در رابطه با موجودات تغییر یافته ژنتیک ایجاد شده است.

به دلیل اهمیت BCH در اجرای پروتکل، اتاق تهاتر ملی ایمنی زیستی تحت پروژه توانمندسازی UNEP-GEF برای مشارکت موثر کشورها در اتاق تهاتر ایمنی زیستی ایجاد گردید.

### روز شمار ایمنی زیستی ایران

امضاء پروتکل ایمنی زیستی کارتاها در ۲۳ آوریل ۲۰۰۱ برابر با ۳ اردیبهشت ۱۳۸۰

الحاق رسمی به پروتکل در ۲۹ مرداد ۱۳۸۲

تصویب قانون ملی ایمنی زیستی مشتمل بر یازده ماده و هفت تبصره در جلسه روز هفتم مرداد ۱۳۸۸ مجلس شورای اسلامی

ابلاغ آیین نامه اجرایی بند "ب" ماده (۷) قانون ملی ایمنی زیستی در ۱۵ شهریور ۱۳۹۴

اتاق تهاتر ایمنی زیستی ایران در باره جمهوری اسلامی ایران

اخبار

مراجعه ملی

نقاط تماس ملی

مراجع صلاحیتدار ملی

وبگاه ملی

قوانین و مقررات

تصمیمات و بیاتیه ها

ارزیابی خطرات احتمالی

توانمند سازی

فهرست متخصصین

انتشارات

دبیرخانه شورای ملی ایمنی زیستی

وزارت جهاد کشاورزی

\* سازمان دامپزشکی

\* سازمان حفظ نباتات

\* سازمان ثبت و گواهی بدن

وزارت بهداشت، درمان و آموزش پزشکی

سازمان حفاظت محیط زیست

11:58 AM 10/9/2023

# Iran BCH

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Iran (Islamic Republic of) | Cou... Search | Biosafety Clearing-Hou... Welcome to Iran Biosafety Clearing

ir.biosafetyclearinghouse.net/default.shtml

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## IRAN Biosafety Clearing –House

اتاق تهاتر ایمنی زیستی ایران

**NATIONAL BCH**  
About I.R.Iran  
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National Focal Points  
Competent National Authorities  
National Websites and Databases  
Laws and Regulations  
Country's Decisions and other Communications  
Risk Assessments  
Capacity-Building  
Roster of Experts  
Publications  
National Biosafety Council  
Ministry of Agriculture  
\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification

### Welcome to Iran Biosafety Clearing House

Biosafety Clearing House (BCH) is an information exchange mechanism established by the Cartagena protocol on Biosafety to assist parties to implement its provisions and to facilitate sharing of information on and experience with Living Modified Organisms (LMOs). BCH is essential for the successful implementation of the Protocol. It assists parties and other stakeholders in different ways in the implementation of the Protocol. Iran biosafety clearing house is established under the UNEP-GEF capacity building project to enable our country to fulfill its obligations towards the Cartagena Protocol, to use and benefit from the BCH.

Islamic Republic of Iran: signed the Cartagena protocol on Biosafety in 23 April 2001, Ratified the Cartagena protocol on Biosafety on August 2003.

Iran Biosafety Law was approved by the Islamic Consultative Assembly of Iran in 29 July 2009. It came into force in 27 August 2009.

EN 8:51 AM 10/10/2023

# Iran BCH - NEWS

File Edit View History Bookmarks Tools Help

translation english to farsi - Google X News

inbiosafetyclearinghouse.net/News.shtml

1 photo

**Ministry of Agriculture**  
\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification and Registration Organization

**Ministry of Health and Medical education**

**Department of Environment**  
\* UNEP-GEF Capacity Building project for Implementation of National Biosafety Framework

**Ministry of Science, Research & Technology**  
\* UNEP-GEF Project for Effective Participation in the Biosafety Clearing House  
\* Executive actions of MSRT related to Capacity Building Project

**Related links**  
\* Biosafety Society of Iran  
\* Iranian Genetics Society  
\* Iranian Biotechnology Information Centre  
\* FAO GM Foods Platform

**Contact Us**

**Workshop on Genetically Modified Organisms : Biosafety and ...**

**20th Anniversary of the Cartagena Protocol on Biosafety**

This year, 11 September 2023, marks the 20th anniversary of the entry into force of the Cartagena Protocol on Biosafety. As the Cartagena Protocol on biosafety enters its 20th year of implementation a number of successes have been achieved at the national, regional and international level. A series of events and activities will therefore be convened to focus on highlighting achievements, exchanging perspectives and identifying opportunities for formal and informal interventions for strengthening implementation.

The theme of the anniversary is: 20 Years of Promoting the Safe Use of Biotechnology

The specific objectives are:

1. To strengthen capacity for
2. To inform and educate stakeholders about the Protocol,
3. To engage, motivate and build collaborative partnerships with key stakeholders to broaden support for the implementation of the Protocol.

11:53 AM  
10/17/2023



# Iran BCH - News

File Edit View History Bookmarks Tools Help

News X translation english to farsi - Go X +

ir.biosafetyclearinghouse.net/News.shtml

**Ministry of Agriculture**  
\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification and Registration Organization

**Ministry of Health and Medical education**

**Department of Environment**  
\* UNEP-GEF Capacity Building project for Implementation of National Biosafety Framework


**Ministry of Science, Research & Technology**  
\* UNEP-GEF Project for Effective Participation in the Biosafety Clearing House  
\* Executive actions of MSRT related to Capacity Building Project


**Related links**  
\* Biosafety Society of Iran  
\* Iranian Genetics Society  
\* Iranian Biotechnology Information Centre  
\* FAO GM Foods Platform

**Contact Us**

**Holding a joint meeting of the specialized biosafety committee of the Secretariat of the National Biosafety Council and the specialized biosafety working group of the Ministry of Health and Medical Education on July 8, 2023**

Photo 1 to 2 of 2 photos

  
2023-08-13

  
2023-08-13

**Biosafety Guidelines for Laboratories and Research Activities related to Genetically Modified Organisms is Prepared by Ministry of Science, Research and Technology**

**Designation of Dr. Mohammad Hossein Bazgir as Secretary of National Biosafety Council**

**Designation of Prof. Salehi Jouzani as Iran Biosafety Focal Point**

Pursuant to Article 11 of the National Biosafety Law and Article 19 of the Cartagena Protocol on Biosafety and by order of the Minister of Agriculture Jihad (Dr. Seyed Javad Sadati Nejad), Dr. Salehi Jouzani appointed as the Iran (IR) National Focal Point for CPB. Dr. Salehi Jouzani currently works as Prof. in the Microbial biotechnology and biosafety department of Agricultural Biotechnology Research Institute of Iran (ABRII).

Date: 24-11-2021

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# Publications

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## IRAN Biosafety Clearing-House

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Publications  
National Biosafety Council  
Ministry of Agriculture  
\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification

**National BCH > Biosafety Bulletin**

### Four books have been published as result of UNEP-GEF Capacity Building Project

Principles of Modern Plant Biotechnology and Biosafety  
Laws and Regulations Related to Biosafety in I.R. Iran  
GM Plants; Questions and Answers  
Biosafety Regulations in Modern Medical Technologies

Photo 1 to 3 of 3 photos

GM Plants: Questions and Answers

Laws and Regulations Related to Biosafety in I.R. Iran

Principles of Modern Plant Biotechnology and Biosafety,

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# Publication of Seasonal Biosafety Bulletin- from 2002 to 2017

## ایمنی زیستی

شماره ۲۲ : آذر ماه ۱۳۸۹

- برگزاری پنجمین اجلاس کشورهای عضو پروتکل ایمنی زیستی کارخانه
- توسعه پروتکل نانویا - کارآزمایی در خصوص مسئولیت و چارچوب ضمانت
- نمایش از مویکرات تغییر یافته ژنتیکی در اجلاس پنجم کشورهای عضو پروتکل
- گزارش شرکت هیأت ایرانی در پنجمین نشست معاهدین پروتکل ایمنی زیستی کارخانه



## ایمنی زیستی

شماره ۲۳ : شهریور ماه ۱۳۸۷



## ایمنی زیستی

شماره ۲۷ : شهریور ماه ۱۳۸۸



Ministry of Science, Research and Technology  
Biosafety Committee  
Science and Technology Institute of Genetic Engineering  
and Biotechnology

## Biosafety Bulletin

No 25: March 2009



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نشریه کارگروه تخصصی ایمنی زیستی  
وزارت علوم، تحقیقات و فناوری

دیرزمانه : پژوهشگاه ملی مهندسی ژنتیک و زیست فناوری

## نشریه ایمنی زیستی

شماره ۳۹ - تابستان ۱۳۹۱



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**Capacity-Building**  
**Roster of Experts**  
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**National Biosafety Council**  
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\* Iran Veterinary Organization  
\* Plant Protection Organization  
\* Seed and Plant Certification and Registration Organization  
**Ministry of Health and Medical education**  
**Department of Environment**  
\* UNEP-GEF Capacity Building project for Implementation of National Biosafety Framework  
**Ministry of Science, Research & Technology**  
\* UNEP-GEF Project for Effective Participation in the Biosafety Clearing House  
\* Executive actions of MSRT related to Capacity Building Project  
**Related links**  
\* Biosafety Society of Iran  
\* Iranian Genetics Society  
\* Iranian Biotechnology

**GM Plants: Questions and Answers**  
**Laws and Regulations Related to Biosafety in I.R. Iran**  
**Principles of Modern Plant Biotechnology and Biosafety**

**Publishing Seasonal Biosafety Bulletin from 2003 to 2017**

Photo 1 to 3 of 3 photos

No.55  
No. 54  
No. 52  
No.42

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# UNEP- GEF Project for Effective Participation in the BCH

The screenshot shows a web browser window with the address bar displaying `ir.biosafetyclearinghouse.net/0043.shtml`. The page content is organized into several sections:

- Capacity-Building**
  - \* Supervisor of the Agreement: Dr. M.R. Saman
- Roster of Experts**
  - \* Expert in Charge of the Project: N. Esmaeilzadeh
- Publications**
- National Biosafety Council**
- Ministry of Agriculture**
  - \* Iran Veterinary Organization
  - \* Plant Protection Organization
  - \* Seed and Plant Certification and Registration Organization
- Ministry of Health and Medical education**
- Department of Environment**
  - \* UNEP-GEF Capacity Building project for Implementation of National Biosafety Framework
- Ministry of Science, Research & Technology**
  - \* **UNEP-GEF Project for Effective Participation in the Biosafety Clearing House**
  - \* Executive actions of MSRT related to Capacity Building Project
- Related links**
  - \* Biosafety Society of Iran
  - \* Iranian Genetics Society
  - \* Iranian Biotechnology

A blue arrow points to the project title: **UNEP-GEF Project for Effective Participation in the Biosafety Clearing House**.

The Windows taskbar at the bottom shows the system clock as 11:27 AM on 10/9/2023, along with various application icons.



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\* Iran Veterinary

Organization

\* Plant Protection

Organization

\* Seed and Plant Certification

**National BCH > Ministry of Science, Research & Technology > پروژه توانمند سازی یونپ و****جف برای مشارکت موثر کشورها در اتاق تهاثر ایمنی زیستی****پروژه توانمند سازی یونپ و جف برای مشارکت موثر کشورها در اتاق تهاثر ایمنی زیستی**

### **UNEP-GEF Project for Effective Participation in the Biosafety Clearing House from August 2008 to September 2009**

#### **Main Results of the Project**

- 1- Organizing three National BCH workshops.
- 2- Publish a booklet entitle: UNEP-GEF Project on Building Capacity for Effective Participation in the BCH.
- 3- Creation of National BCH.

**Final Report.pdf**

EN

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1 of 32 Automatic Zoom

پروژه توانمندسازی UNEP-GEF برای مشارکت موثر کشورها در  
اتفاق نهاتر ایمنی زیستی (BCH)

UNEP-GEF Project for Building Capacity for Effective  
Participation in the Biosafety Clearing House

فهرست مطالب

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۳ ..... پیش‌گفتار ☐

۵ ..... اعضای کارگروه BCH ☐

۶ ..... مقدمه ☐

۷ ..... پروتکل ایمنی زیستی کارتاژنا و اتفاق نهاتر ایمنی زیستی ☐

۸ ..... اهمیت BCH ☐

۱۱ ..... BCH چگونه عمل می‌کند؟ ☐

EN 10:30 AM 5/8/2023



# **Importance of BCH in RC**

**As a result by allowing easy and open access to key information, the BCH provide greater transparency in the implementation of the Protocol and this facilitates effective participation of the public and civil society in the decision-making process.**

# Thanks for your attention

