

# 4<sup>TH</sup> ASIAN SHORT COURSE ON AGRIBIOTECHNOLOGY, BIOSAFETY REGULATION, AND COMMUNICATION (ASCA)

November 23-26, 2021 | 2:00-5:00PM Manila | Via ZOOM from ISAAA SEAsiaCenter, Philippines

The potential of agribiotechnology to contribute to sustainable agriculture depends on R&D as well as on the integration of other factors such as effective communication, science-based national regulatory frameworks, and an adequate understanding of international legal instruments. Strong collaboration among scientists, regulators, policy makers, and lawyers is important so that science and regulation can co-evolve and society can benefit from modern biotechnology while risks are minimized.

ISAAA SEAsiaCenter hosts the 4<sup>th</sup> installment of the Asian Short Course on Biotechnology Regulation and Communication (ASCA). The first was conducted in Malaysia in 2018, the second was conducted in the Philippines in December 2-6, 2019, and the 2020 course was conducted virtually.

The short course is designed to enable participants to better understand the following topics:

- entire value chain related to research, development, commercialization, and trade of living modified organisms (LMOs);
- national and international legal instruments related to LMOs;
- effective communication of agribiotechnology and biosafety regulation;
- communicating agribiotechnology on social media; and
- science diplomacy in international negotiations

## SCOPE OF THE TRAINING

1. Conceptual first-hand information from scientists, the development of biotech (genetic modification and genome editing) of crops and animals (from the lab to the market).
2. Lecture, discussion and exercises on environmental and food/feed safety assessment of biotech products.
3. Role of modern biotechnology in agriculture, its benefits and impact on trade and economy.
4. Strategic communication methods (in quad media) including risk communication.
5. Science communication through social media.
6. Basics of science diplomacy and its use in international negotiations.

## FEES

**Participants' Fees:** US\$150.00 exclusive of fund transfer service charges.

**Inclusive:** Exclusive access to workshop, print and online training kits (bios, abstracts, PPT presentations, related references, video recording of proceedings, and copies of videos used in the workshop).

**Payment methods:** Paypal. For other methods, please contact us.

## REGISTRATION

Register now at:

[bit.ly/registerASCA2021](https://bit.ly/registerASCA2021)

## CONTACT PERSONS

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## SCOPE OF THE COURSE:

### Session 1. Modern Biotechnology: Genetic Engineering and Gene Editing

- Breeding and GM Crops
- Global Status of Biotech Crops, Biotech Animals and Products in the Pipeline
- Science of Genome Editing and Applications in Food and Agriculture
- International Overview on Genome Editing Policy

### Session 2. Sharing of Biotechnology Status in Asia (R&D, priority crops, regulations, commercialization)

- Country presentations

### Session 3. Road to Commercialization of Public Sector Biotech Crops

- Golden Rice
- Bt Eggplant
- Drought Tolerant Sugarcane
- Harnessing Academe-Industry-Government Interconnectivity in Agri Biotechnology

### Session 4. New Technologies: Science and Potentials

- The Cartagena Protocol on Biosafety
- Synthetic Biology: International Policy Developments
- Digital Sequence Information and Access and Benefit Sharing
- Gene Drive (Science and Applications)

### Session 5. Economic and market Impact

- Economic impacts of biotech regulation
- Low Level Presence:
- Regulatory asynchrony and impact on trade

### Session 6. Science Communication and Science Diplomacy

- Key Elements in Communicating Agri-biotech
- Storytelling Science on Twitter
- Storytelling Science on Facebook
- Photography and Photo Selection and Exercises
- Brief Introduction to Science Diplomacy
- Workshop on Science Diplomacy