

# Resource Summary Report

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## Robotic Flower System for Bee Behavior project

RRID:SCR\_021584

Type: Tool

### Proper Citation

Robotic Flower System for Bee Behavior project (RRID:SCR\_021584)

### Resource Information

**URL:** <https://edspace.american.edu/openbehavior/project/robotic-flower-system-bee-behavior/>

**Proper Citation:** Robotic Flower System for Bee Behavior project (RRID:SCR\_021584)

**Description:** Portal provides system of robotic artificial flowers to study bumble bee behavior. System is designed to capture data when animal is feeding by placement of IR beams that are broken when engaged on flowers feeding mechanism and sends data to control unit. Developed by University of Oulu in Finland scientists. System includes control unit, separate artificial flowers, and personal computer. Control unit is to handle electronics of flowers, collect data from them, and to send data to computer. Flowers contain infrared sensor, their associated electronics, and electromechanical device that offers small, precise amount of sugar solution from reservoir. Computer runs software that controls refilling rate and data collection via the control unit. Circuit diagrams, parts list, and control software and source code are available in paper supplemental information.

**Synonyms:** Robotic Flower System for Bee Behavior

**Resource Type:** data or information resource, instrument resource, portal, project portal

**Defining Citation:** [DOI:10.1002/ece3.2062](https://doi.org/10.1002/ece3.2062)

**Keywords:** Robotic artificial flowers, study bumble bee behavior, animal feeding data, flowers feeding mechanism, OpenBehavior, Instrument

**Availability:** Free, Freely available

**Resource Name:** Robotic Flower System for Bee Behavior project

**Resource ID:** SCR\_021584

**Record Creation Time:** 20220129T080356+0000

**Record Last Update:** 20260829T182713+0000

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## Ratings and Alerts

No rating or validation information has been found for Robotic Flower System for Bee Behavior project.

No alerts have been found for Robotic Flower System for Bee Behavior project.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.