

List of Research Output Video Awards

Agricultural Engineering

Gold

	Name	Institution	Title
1	Murni Rahim, Thanes Manimaran, Kumeresen Rajendran, Sulochana Edward Martin	Politeknik Jeli Kelantan	Application of Edible Ginger Coating on Postharvest Papaya
2	Dr. Andri Prima Nugroho, Prof. Dr. Lilik Sutiarso, Ardyan Widyanto Putro, Rievaldy Albyan, Pradnya Umaradani	Universitas Gadjah Mada	Application of 3D Reconstruction System based on Close-range Photogrammetry Method for Growth Estimation of Chinese Cabbage (<i>Brassica pekinensis</i> L.)
3	Dr. Andri Prima Nugroho, Dr. Murtiningrum, Rido Saputra, Muhammad Salman Ibnu Chaer, Guyup Mahardian DP	Universitas Gadjah Mada	"Water Saving Technology for Supporting the System of Rice Intensification"
4	Dr. Andri Prima Nugroho, Dr. Murtiningrum, Lukas Wiku Kuswidiyanto, Galih Wisnu	Universitas Gadjah Mada	Development of Canal Gauge Monitoring System Based on Computer Vision Technology for Supporting the Irrigation Modernization

Silver

	Name	Institution	Title
1	Marini Nafi, Muhammad Shahriezman Muhammad Fauzi, Muhammad Izzan Aziz, Nur Alina Rozali	Politeknik Jeli Kelantan	Soursop snack
2	Ts. Dr. Habsah Alwi, Dr. Hanafiah Zainal Abidin, Muhammad Syafiq Ismail	Universiti Teknologi MARA Shah Alam	An Overview on Vitamin C Content in Dried Pineapple Skin from Infrared Dryer
3	Dr. Hanafiah Zainal Abidin, Ts. Dr. Habsah Alwi, Khairuni Asrini Mohd Karno	Universiti Teknologi MARA Shah Alam	Investigation on Drying Process of Pineapple Flesh Fibre from Far-infrared Dryer and Review the Effect of Drying to Vitamin C Content in Pineapple Flesh
4	Dr. Andri Prima Nugroho, Prof. Dr. Lilik Sutiarso, M. Athala Fawwaz D., Leonardus Dwi K. B. P., Ignatius Iovantheo	Universitas Gadjah Mada	Development of Mini Plant Factory System for Supporting the Urban Farming Cultivation
5	Dr. Radi, Dr. Makbul Hajad, Adrian Anugerah Putra, Faiz Muhammed, Prita Dewi	Universitas Gadjah Mada	Seeder with Stick Rotation Mechanisms
6	Dr. Andri Prima Nugroho, Prof. Dr. Lilik Sutiarso, Diaz Habib Dananta, Wilda Monicha Mukti, Diah Nur Rahmi	Universitas Gadjah Mada	3D Reconstruction of Plant using Close Range Photogrammetry with Leaf Type Variations
7	Dr. Andri Prima Nugroho, Dr. Murtiningrum, Gabriel Dida, Rega Arya, Ulfa Dwi Oktasari	Universitas Gadjah Mada	Development of Laser-based Infiltrometer for Estimating the Percolation Phenomena in Irrigation Modernization
8	Dr. Andri Prima Nugroho, Dr. Murtiningrum, Gabriel Dida, Rega Arya, Ulfa Dwi Oktasari	Universitas Gadjah Mada	Development of Precise Measurement of Water Percolation Inside the Infiltrometer for Supporting Plant Water Requirement Analysis

Bronze

	Name	Institution	Title
1	Dr. Wan Nor Zanariah Zainol@Abdullah, Siti Zul Lailee Kamsan, Nuriana Fatihah Nuzaisam, Aus Mohammad Danish Mohd Ahya	Universiti Putra Malaysia	Mapping of Black Pepper using Landsat 8 OLI and Supervised Classification
2	Muhammad Aliuddin Bakar, Nur Amalina Ismail, Klausner Lius Anak Apo	Universiti Teknologi MARA	Developing Farmer Database in Sungai Mapai, Kanowit for Ensuring Best Planting Practice on Black Pepper (<i>Piper nigrum</i>) and Optimise Good Yield
3	Dr. Azizul Hakim Lahuri, Dr. Nor Hanifawati Inai, Jamie Lazaroo, Nur Khairunnisa Mohd Kamaruzaman, Logeswary Muniandy	Universiti Putra Malaysia	Development of Oil Palm Precision Agriculture: Smart Management in Oil Palm Seedling Nursery

The most Favorite

	Name	Institution	Title
1	Dr. Wan Nor Zanariah Zainol@Abdullah, Siti Zul Lailee Kamsan, Nuriana Fatihah Nuzaisam, Aus Mohammad Danish Mohd Ahya	Universiti Putra Malaysia	Mapping of Black Pepper using Landsat 8 OLI and Supervised Classification

Food Engineering

Gold

	Name	Institution	Title
1	Dr. nat. tech. Andriati Ningrum, Dr. Manikharda, I Nyoman Anggie Pratistha, I Putu Fadya Rachmawan, Gusti Putu Surya Govinda Atmaja	Universitas Gadjah Mada	3D-Printed Meat Analogue with Broad Beans to Maintain ASEAN Food Security
2	Siti Mariyam, Arifin Dwi Saputro, Aulia Anindita, Muhammad Arif Syakban, Syahwal Zulkarnain	Universitas Gadjah Mada	Cocoa Drink Formulated with Nutritious Coffee Flour Processed using Steam Batch Agglomerator
3	Dr. Joko Nugroho Wahyu Karyadi, Siti Mariyam, Miko Fernando, Dyah Repati Maharani, Alfian Hanafi	Universitas Gadjah Mada	Smart Biodegradable Food Package Innovation Based on Sugar Palm Starch Waste

Silver

	Name	Institution	Title
1	Munirah Mohamed Nazari, Thinesh Mahamuney, Muhamad Haffizul Haqim Mazlan, Muhammad Izzuddin Johari	Universiti Malaysia Perlis	Harumanis Mangoes Storage System using IR Sensor

Bronze

	Name	Institution	Title
1	Dr. Tiraporn Junyusen, Pornpimol Moolkaew, Peerawat Taengsopha, Rujiraporn Khomkham, Priyaporn Poome	Suranaree University of Technology	Effects of Pickling and Drying Times on Changing of Chemical and Physical Properties of Salted Yolk
2	Ts. Dr. Muhammad Heikal Ismail, Dr Irwan Syah Md Yusoff, Muhamad Wazif Zakwan Mubarak, Siti Norfatihah Mohammad Ehsan	Universiti Putra Malaysia	Drying Kinetics of Laksam and Yellow Noodles

The most Favorite

	Name	Institution	Title
1	Ts. Dr. Muhammad Heikal Ismail, Dr Irwan Syah Md Yusoff, Muhamad Wazif Zakwan Mubarak, Siti Norfatihah Mohammad Ehsan	Universiti Putra Malaysia	Drying Kinetics of Laksam and Yellow Noodles

Biotechnology

Gold

	Name	Institution	Title
1	Assoc. Prof. Dr. Subash C.B. Gopinath, Dr. Nor Azizah Parmin, Muhammad Nur Aiman Uda, Muhammad Nur Afnan Uda, Uda Hashim	Universiti Malaysia Perlis	Nanodevice for Arsenic Detection in Rice Grains - A Potential Screening Tool
2	Dr. Nozieana Khairuddin, Nur Afiqah Ali, Nor Shafinaz Azman	Universiti Putra Malaysia	Functional Nano-catalyst Impregnated with Transition Metal from Waste Eggshell for Biodiesel Production via Transesterification Reaction

Silver

	Name	Institution	Title
1	Mochamad Nurcholis, Lilis Nur Fitriani, Siti Miftachul Jannah, Kresna Purwandaru	Universitas Brawijaya	CRISPR/CAS9 Technology (Cluster Regularly Interspaced Short Palindromic Repeat/Cluster Associated Protein-9) as Therapy of Type 1 Diabetes Mellitus Patients
2	Dr. Mohd Nazren Radzuan, Hasanah Johari, Nur 'Aliah Hanani Mohd Baktiar, Siti Suhaila Mohd Akbar	Universiti Putra Malaysia	Sophorolipid Application Supports Biotechnology

Bronze

	Name	Institution	Title
1	Dr. Pooja Shivanand, Dr. Faizah Hj Metali, Ak Abdul Muizz Al Azim Pg Hj Abdul Halim, Anis Nadiyah Abdillah, Muhamad Nur Abadi Mohd. Nizam	Universiti Brunei Darussalam	Bioprospecting of Bacterial Endophytes and Its Potential Agricultural Application
2	Siti Mariyam, Dr. Joko Nugroho Wahyu Karyadi, Yesica Melliana Widiastuti, Haida Setyani, Noveria Anggi Nurrahmah	Universitas Gadjah Mada	ZelaTe "Zero Lactose Powder Milk from Tempeh" Innovative Solution for Lactose Intolerance People Made from Kidney Beans (<i>Phaseolus vulgaris</i> L.) Tempeh with Chocolate Flavour

The most Favorite

	Name	Institution	Title
1	Dr. Nozieana Khairuddin, Nur Afiqah Ali, Nor Shafinaz Azman	Universiti Putra Malaysia	Functional Nano-catalyst Impregnated with Transition Metal from Waste Eggshell for Biodiesel Production via Transesterification Reaction

Green Technology**Gold**

	Name	Institution	Title
1	Dr. Chandra Setyawan, Dr. Ngadish, Yosia Sinthabella, Hilyatanta Fiddaril Izza, Bondan Satria Pamungkas	Universitas Gadjah Mada	ZeoFilt: The Development of Hexagonal Zeolite Filter for Improving Water Quality in Tertiary Irrigation Channel

Silver

	Name	Institution	Title
1	Dr. Nozieana Khairuddin, Mohammad Sobri Merais, Nurul Husna Che Hamzah, Dayangku Nurshahridah Awang Wahab	Universiti Putra Malaysia	Red Cabbage Bioplastic

Bronze

	Name	Institution	Title
1	Prof. Dr. Abdul Azis S., Prof. Dr. Husnul Mubarak, Fadila, Dwi Mentari Thamsyul, Nur Azni	Universitas Hasanuddin	Solar Charge-based Technology Innovation of Smart Counter Toll as an Effort to Collect the Growth of Hyacinth (<i>Eichhornia crassipes</i>)

The most Favorite

	Name	Institution	Title
1	Dr. Nozieana Khairuddin, Mohammad Sobri Merais, Nurul Husna Che Hamzah, Dayangku Nurshahridah Awang Wahab	Universiti Putra Malaysia	Red Cabbage Bioplastic

Agricultural Waste Management**Gold**

	Name	University	Title
1	Dr. Latifah Omar, Prof. Dr. Ahmed Osumanu Haruna, Visvini Lohanathan, Kurk Wei Jie, Mohd Hasyrin Hassan	Universiti Putra Malaysia	Managing Sago Hampas and Palm Oil Decanter Cake Through Stabilization using Black Soldier Fly (<i>Hermetia illucens</i>) Larvae

Silver

	Name	University	Title
1	Ts. Dr. Muhammad Heikal Ismail, Dr. Muhammad Hazwan Hamzah, Veknesh Arumugam, Khalida Aziz, Miiraa Muruga	Universiti Putra Malaysia	Implementing Zero Waste Concept by Food Waste Composting using <i>Eisenia fetina</i> sp.

Bronze

	Name	University	Title
1	Dr. Nurhadijah Zainalabidin, Najihah Abdul Jalil, Nurul Atikah Mohd Nasir, Fatin Hazirah Sabarudin	Universiti Malaysia Perlis	Poultry Farm Waste Disposal

The most Favorite

	Name	University	Title
1	Ts. Dr. Muhammad Heikal Ismail, Dr. Muhammad Hazwan Hamzah, Veknesh Arumugam, Khalida Aziz, Miiraa Muruga	Universiti Putra Malaysia	Implementing Zero Waste Concept by Food Waste Composting using <i>Eisenia fetina</i> sp.