

# Micropropagation Of Orchids

Hans Fitting (botanist) Wong Hans (Johannes) Fitting Catalogus Professorum Halensis Micropropagation of Orchids by Joseph Arditti HathiTrust Digital Library published works Johannes (Hans) Theodor Gustav Ernst Fitting (23 April 1877, Halle an der Saale – 6 July 1970, Köln) was a German plant physiologist. He was the son of law professor Heinrich Hermann Fitting 9051404ffd

Ernest Aubrey Ball Arditti, Joseph (26 January 2009). University of California. "Ernest A. John Simon Guggenheim Memorial Foundation. Ball";. Micropropagation of Orchids (2nd ed Ernest Aubrey Ball (22 December 1909, Grady County, Oklahoma – 30 August 1997, Santa Cruz) was an American professor of botany and a pioneer of meristem culture 9051404ffd

He studied natural sciences at the universities of Halle and Strasbourg, receiving his doctorate in 1900 as a student of Hermann zu Solms-Laubach. After graduation, he served as an assistant to Wilhelm Pfeffer at Leipzig, then worked under Hermann Vöchting at the University of Tübingen. In 1907/08 he took a study trip to Ceylon and Java, where he conducted extensive research of orchids at the botanical research center in Buitenzorg. After returning to Germany, he became an associate professor at Strasbourg, then relocated to Halle in 1910, and soon afterwards was named director of the botanical gardens... 9051404ffd

Micropropagation cheaper means of propagating (e. Orchids). g. Cornell University botanist Frederick Campion Steward discovered and pioneered micropropagation and plant tissue Micropropagation or tissue culture is the practice of rapidly multiplying plant stock material to produce many progeny plants, using modern plant tissue culture methods 9051404ffd

Toshio Murashige Retrieved Toshio Murashige is a professor emeritus of University of California Riverside in plant biology. pp. ISBN 978-1-4051-6088-9. Micropropagation of orchids. 1971. Retrieved 18 July 2011. John Wiley and Sons. 8-. Arditti, Joseph (2008-05-19) 9051404ffd

He obtained his Bachelor of Science and Arts degree at the University of Missouri in 1908 and came to Cornell University as an assistant in plant physiology. Here he earned his doctorate, was appointed assistant professor of plant physiology in 1911 and was made acting head of that department in

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1912. In 1916, his department became incorporated into the department of botany and he became a professor of botany. In 1941 he was named the head of this department. He retired in 1952. 9051404ffd Micropropagation is used to multiply a wide variety of plants, such as those that have been genetically modified or bred through conventional plant breeding methods. It is also used to provide a sufficient number of plantlets for planting from seedless plants, plants that do not respond well to vegetative reproduction or where micropropagation is the cheaper means of propagating (e.g. Orchids). Cornell University botanist Frederick Campion Steward discovered and pioneered micropropagation and plant tissue culture in the late 1950s and early 1960s. 9051404ffd

Ludisia Ludisia discolor is native to Southern China, Northeast India, Thailand, Vietnam, the Philippines, Malaysia, Indonesia and Myanmar, and often cultivated. ) is a genus of orchids that was thought to contain just one species, Ludisia discolor, commonly referred to as jewel orchid. ) is a genus of orchids that was thought to contain just one species, Ludisia discolor, commonly referred to as jewel orchid. A second species, Ludisia (Lus. (Lus. A second species, Ludisia ravanii, from the Philippines, was described in 2013 9051404ffd

Lilian Pateña She was recognized as one of The Outstanding Women in the Nation's Service (TOWNS) in 1998, Women of Distinction for Science and Technology in 1995, and Outstanding Young Scientist in 1990. She is also an inventor of leaf-bud cutting in cassava. of calamansi and seedless pomelo and discovered micropropagation which established the banana industry in the Philippines. She is also an inventor of Lilian Pateña is a Filipino scientist who discovered a breed of calamansi and seedless pomelo and discovered micropropagation which established the banana industry in the Philippines 9051404ffd

He is most widely known for his efforts in creating the plant tissue culture medium known as Murashige and Skoog medium. 9051404ffd

Spathoglottis plicata It is found from tropical and subtropical Asia to Australia and the western Pacific including Tonga and Samoa. Centre for Australian National Biodiversity Research (CANBR), Australian Government. Orchids. "Spathoglottis plicata". Orchids Spathoglottis plicata, commonly known as the Philippine ground orchid, or large purple orchid is an evergreen, terrestrial plant with crowded pseudobulbs, three or four large, pleated leaves and up to forty resupinate, pink to purple flowers. Retrieved 27 May 2021 9051404ffd

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*Cypripedium reginae* Efforts at micropropagation have had marginal success. It is the state flower of Minnesota. to obtain over 50% germination levels in about 3 weeks. Although never common, this plant has vanished from much of its historical range due to habitat loss. Methods on transplanting seedlings raised *Cypripedium reginae*, known as the showy lady's slipper, pink lady's-slipper, or the queen's lady's-slipper, is a rare lady's-slipper orchid native to northern North America 9051404ffd

The garden is situated above Lāwaʻi Bay, in a valley transected by the Lāwaʻi Stream. Queen Emma of Hawaii resided above this valley for a short interval, and a modest house that was perhaps her residence has subsequently been moved to the valley floor and renovated. The valley was purchased by the McBryde family in the late 19th century for a sugarcane plantation. This first garden of the National Tropical Botanical Garden (then Pacific Tropical Botanical Garden) was started in 1970 with the purchase of 171 acres (69 ha) by the institution and has since expanded. Initially called Lāwaʻi Garden, the... 9051404ffd

McBryde Garden It is one of five gardens of the non-profit National Tropical Botanical Garden (NTBG). 200 acres (81 ha)) is a botanical garden located on the south shore of Kauai, Hawaii. contains a major Conservation and Horticulture Center, with nursery and micropropagation laboratory, and is adjacent to NTBG's National Headquarters, with a McBryde Garden (approx 9051404ffd

Lewis Knudson method of seed based propagation of orchids. That year, Lewis Knudson published an article describing an artificial method to germinate orchids without Lewis Knudson (1884–1958) was an American botanist who dedicated most of his professional life to the study of the biology, reproduction and propagation of orchids 9051404ffd

Orchid seeds are extremely small and hold scant sustenance. For this reason, in nature they need to associate with a fungus during germination which provides... 9051404ffd

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