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Title:

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Education:

PhD: MS: BS:

General Areas of Expertise:

Agricultural engineering

Short Bio:

Professor Qichang Yang is a Chief Scientist and the Director of Key Lab of Energy Saving & Waste Management of Agricultural Structures, Ministry of Agriculture (MOA), China. He obtained his MS (1987) and PhD (1996) in Bio-Environment Engineering at China Agricultural University. As a visiting scholar, he studied greenhouse environment engineering in the System and Control group at Wageningen University from April 2005 to April 2006. He was a senior visiting scholar on greenhouse engineering at the University of Arizona during October 2013 to January 2014.

His main research activities included greenhouse engineering,plant factory and LED lights in horticulture. As a Chief Scientist he is now in charge of a large research project on intelligent plant factory production technology (National High Science & Technology project supported by the Chinese Government 2013-2017, £8m). In the past ten years, he has organised or participated in 35 national research projects, and (co-)published more than 150 papers, of which 40 have been quoted by SCI and EI, and 5 monographs. He has received several honours and awards for his scientific excellence, including a National Science & Technology progress prize (2009), a special Government allowance (2010), a national gold medal of patent (2011) and national expert with outstanding contributions (2013). He is a chairman of Greenhouse Design group of the International Society for Horticultural Science (ISHS), and convenor of Greensys 2017 organised by ISHS.

Five Representative Publications:

Zhou S. , Zhang Y., Yang Q. , Cheng R., Fang H., Ke X., Lu W., Zhou B., Performance of Active Heat Storage-Release Unit Assisted with a Heat Pump in a New Type of Chinese Solar Greenhouse, Applied Engineering in Agriculture,
2016.01.01, 32（5）：345~352
(2) Zhou B. , Zhang Y., Yang Q. , Fang H., Lu W., Zhou S., Dehumidification in a Chinese Solar Greenhouse Using Dry Outdoor Air Heated by an Active Heat Storage-Release System, Applied Engineering in Agriculture, 2016.01.01, 32
（4）：447~456
(3) Fu G. , Yang q. , Liu W., Establishment and performance of a novelsoil ridge substrate-embedded cultivation technology for Chinese solargreenhouse, Transylvanian Review, 2016.01.01, 24（5）：762~771
(4) Fang H. , Zhang Y., Yang Q. , Sun W., Lu w., Tong Y., Performance of a solar heat collection and release system fo improving night temperature in a Chinesesolar greenhouse, Applied Engineering in Agriculture, 2015.10.1, 31（2）：283~289
(5) Yang Q. , Li T., Advantages of diffuselight for horticultural production and perspectives for further research., Frontiers in Plant Science, 2015.9.4, 6

FEWSTERN Symposium 2017 Presentation Title and Abstract:

Current status and development prospect of the protected horticulture in China