CURRICULUM VITAE

(Updated December 2011)

Name Wang, Jaw-Fen
Global Theme Leader / Plant Pathologist
AVRDC-the World Vegetable Center
P.O. Box42, Shanhua, Tainan, Taiwan, Republic of China 741
E-mail: jaw-fen.wang@worldveg.org

Description of Current Position

From 1992 appointed as Plant Pathologist by AVRDC – The World Vegetable Center. The main tasks are to study vegetable diseases caused by plant pathogenic bacteria and fungi (since Oct. 2009) with global importance in collaborations with scientists in developing countries and advanced laboratories. The work contents include pathogen characterization, development of disease screening protocol, resistance source characterization, development of integrated disease management strategies and to promote regional and global collaborative network. For this task, lead a team of 6 technical staffs and 12 supporting staffs. From Feb. 2008 appointed as Global Theme Leader of AVRDC to lead "Safer and Sustainable Vegetable Production System". The main tasks include identifying priorities, strategies, opportunities and constraints of the theme, to interact with regional centers on research priority and implementation, to facilitate multi-disciplines grant proposal preparation and to mentor and motivate 6 core scientists. Networking, proposal development, project implementation, management and monitoring, as well as publishing research results are routines to accomplish the purposes of the two current positions.

Education

Ph.D. degree:	University of Florida (1988-1992)
	Department of Plant Pathology
M.S. degree:	National Chung Hsing University (1984-1986)
	Department of Plant Pathology
B.S. degree:	National Chung Hsing University (1980-1984)
	Department of Plant Pathology

Professional Experience

2008-present	Global Theme Leader on "Safer and Sustainable Vegetable Production System", AVRDC-The World Vegetable Center
2007-present	Plant Pathologist, AVRDC-The World Vegetable Center
April to May 2005	Visiting scientist at Land and Water System, Univ. of Adelaide, Australia with Dr. Petra Marschner on soil microbe community profiling
Jan. to April 2005	Visiting scientist at CSIRO Plant Industry, Australia with Dr. John Kirkegaard on effect of India Mustard on *Ralstonia solanacearum*
1993-2007	Associate Plant Pathologist, AVRDC
May to June 1993	Visiting scientist at Department of Genetics and Developmental Biology Monash University, Australia with Dr. B. W. Holloway on molecular detection of *Ralstonia solanacearum*

1992-1993 Assistant plant pathologist, AVRDC

Special Assignment

1. Invited speaker in Technical Session and Vegetable Special Interest Group of Asian Seed Congress 2010, Nov. 2010, Kaohsiung, Taiwan
2. Members of international advisory committee of 3rd International Symposium on Biofumigation, 21-25 July 2008, Canberra, Australia
3. Course organizer and instructor of Training Course on Screening for Resistance of Vegetable Diseases for Asia and Pacific Seed Association members, 4 to 15 June 2007, AVRDC, Taiwan.

Special training received

- July 2011. "Women's Leadership and Management Course", organized by CGIAR Gender & Diversity Program and facilitated by Training Resources Group Inc.
- Oct. 2008. "Management and Leadership Training", organized by AVRDC

Recent Publications

Journal papers

1. Hsieh, C.-Y., **Wang, J.-F.,** Huang, P.-C., Lu, D.-K., Lin, Y.-M., Yang, W.-C., and Cheng, C.-P. 2011. *Ralstonia solanacearum* nlpD (RSc1206) contributes to host adaptation. European Journal of Plant Pathology (Accepted)
2. Huang, Q., Yan, X. and **Wang, J.-F.** 2011. Improved biovar test for *Ralstonia solanacearum*. Journal of Microbiological Methods (In press)
3. Lebeau, A., Daunay, M.-C., Frary, A., Palloix, A., **Wang, J.-F.**, Dintinger, J., Chiroleu, F., Wicker, E., and Prior, P. 2011. Bacterial Wilt Resistance in Tomato, Pepper, and Eggplant: Genetic Resources Respond to Diverse Strains in the *Ralstonia solanacearum* species Complex. Phytopathology 101: 154-165.
4. Geethanjali, S., Kadirvel, P., de la Peña, R., Rao, E.S. and **Wang, J.-F.*** 2011. Development of tomato SSR markers from anchored BAC clones of chromosome 12 and their application for genetic diversity analysis and linkage mapping. Euphytica 178:283-295.
5. Daunay, M.C ., Laterrot, H., Scott, J.W., Hanson, P., and **Wang, J.-F.** 2010. Tomato resistance to bacterial wilt caused by *Ralstonia solanaearum* E.F. Smith : ancestry and peculiarities. Report of the Tomato Genetics Cooperative 60: 6- 40.
6. Truong, H.T.H., Graham, E., Esch, E., **Wang, J.-F**.*, and Hanson, P. 2010. Distribution of DarT markers in a genetic linkage map of tomato. Kor. J. Hort. Sci. Technol. 28(4): 664-671.
7. Geethanjali, S., Chen, K.-Y., Pastrana, D.V. and **Wang, J.-F.*** 2010. Development and characterization of tomato SSR markers from genomic sequences of anchored BAC clones on chromosome 6. Euphytica 173:85-91.