Curriculum Vitae

Name: Rommanee Charoensub
Position: Researcher, Senior Professional Level
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EDUCATION

1989	M.Sc (Agriculture), Kasetsart University, Thailand
1980	B.Sc (Agriculture), Kasetsart University, Thailand

TRAINING

1999	Plant cryopreservation, Environmental Bioengineering Laboratory, Graduate School of Pharmaceutical Sciences, Osaka University, The Goho Life Sciences International Fund, Japan.
1997	Biotechnology for improvement of plant materials. Kyoto University, JICA, Japan.

PROFESSIONAL EXPERIENCE

1995 - present	Scientific Equipment and Research Division, Kasetsart University, Thailand
1981 – 1994	Division of the Vocational Education, Office of the Private Education Commission, Ministry of Education, Thailand

AREA OF EXPERTISE

- Plant tissue culture
- *In vitro* plant conservation

RESEARCH GRANT

As Head of Project:

2017	Using of activate charcoal retrieved from agricultural wastes in tissue culture media for substitution of imported activated charcoal for value added and reduction of tissue culture investment.
2010	*In vitro* propagation and conservation of *Amomum* spp.: micropropagation and conservation for sustainable development, Research and Development Institute, Kasetsart University Grant.
2006	*In vitro* conservation of Physic nut (*Jatropha curcas* L.) : conservation for sustainable development, Research and Development Institute, Kasetsart University Grant.
2005-2007	Feasibility study of medicinal plant production by tissue culture technic: *Tacca chantrieri* Andre. and *Linostroma wallichii,* Research and Development Institute, Kasetsart University Grant.
2005-2007	*In vitro* conservation of rose coloured leadwort (*Plumbago indica* Linn.). Phase II, Research and Development Institute, Kasetsart University Grant.
2002-2004	*In vitro* conservation of rose coloured leadwort (*Plumbago indica* Linn.), Research and Development Institute, Kasetsart University Grant.
2003	Micro-propagation of cassava for the study and data collection of variety characteristic, Thai Tapioca Development Institue Grant.
1997-1998	*In vitro* conservation of cassava (*Manihot esculentum* Linn.), Research and Development Institute, Kasetsart University Grant.

As Co-Researcher

2017-2018	Development of cryopreservation techniques for long-term in vitro conservation of Siamese Rosewood (*Dalbergia cochinchinensis* Pierre)
2016-2017	Water Onion (*Crinum thaianum* J. Schulze) Conservation and Restoration in Natural Site by Using Various Techniques
2015	Water Onion Quality Production for ***in-situ*** Restoration
2013-2015	The Use of Cryopreservation for Citrus Germplasm Conservation.
2012-2014	Induction and selection of salt tolerant polyploidy vetiver (*Chrysopogon* spp.) and cryopreservation, ทุน กปร.

2002-2003	DNA fingerprinting of Dendrobium hybrids using RAPD and AFLP technique, Research and Development Institute, Kasetsart University Grant.
2001-2002	*In vitro* propagation of iron wood (*Mesua ferrea* Linn.), Research and Development Institute, Kasetsart University Grant.
2001	DNA fingerprinting of Dendrobium hybrids using RAPD technique, Research and Development Institute, Kasetsart University Grant.

PUBLICATIONS

Charoensub, R., Thiantong, D. and Phansiri, S. 2008. Micropropagation of Bat Flower Plant, *Tacca chantrieri* Andre. Kasetsart J. (Nat. Sci.) 42: 7 – 12

Charoensub,R. and Phansiri, S. 2004. *In vitro* conservation of rose coloured leadwort: Effect of mannitol on growth of plantlets. Kasetsart J. (Nat. Sci.) 38: 97- 102

Charoensub, R., Hirai, D. and Sakai, A. 2004. Cryopreservation of in vitro-grown shoot tips of cassava by encapsulation-vitrification method. CryoLetters 25: 51-58.

Charoensub, R., Phansiri, S., Yongmanitchai, W. and Sakai, A. 2003. Routine cryopreservation of *in vitro*-grown axillary apices of cassava (*Manihot esculenta* Crantz) by vitrification : importance of a simple monodal culture. Scientia Hort. 98: 485-492.

Charoensub, R., Phansiri, S., Sakai, A. and Yongmanitchai, W. 1999. Cryopreservation of cassava *in vitro* – grown shoot tips cooled to 196°C by vitrification. CryoLetters 20: 84-89.

CONFERENCE PRESENTATIONS

1. **Charoensub, R**. and Kritsanamara, A. 2011. Fluorescent Lamps for Energy Saving in Plant Tissue Culture. In The Proceedings of 49nd Kasetsart university Annual Conference. 1 – 4 February 2011, Bangkok, pp 304 – 312
2. **Charoensub, R.**, Thiantong, D. and Phansiri, S. 2008. Micropropagation of Bat Flower Plant, (*Tacca chantrieri* Andre): the Medicinal plant. In The Proceedings of 46nd Kasetsart university Annual Conference. 29 January – 1 February 2008, Bangkok, pp 425-430
3. **Charoensub, R.**, Phansiri, S., Yongmanitchai, W. and Sakai, A. 2007. Cryopreservation *in vitro*-grown shoot tips of cassava. In Howeler, R. (ed). Centro Internacional de Agricultura Tropical (CIAT). 2007. Cassava Research and Development in Asia: Exploring New Opportunities for and Ancient Crop. Proceeding of the 7th Regional Workshop. Oct 28 – Nov 1, 2002, Bangkok, Thailand. pp 136-139

4. **Charoensub, R** and Phansiri, S. 2005. Effect of high concentration of sucrose on growth of Rose-colored Leadwort plantlets for *in vitro* conservation. In Bennett, IJ., Bunn, E., Clarke, H and McComb, JA. (Eds) Contributing to a Sustainable Future, Proceedings of the Australian Branch of the IAPTC&B, Perth, Western Australia, pp 289.

5. **Charoensub, R**. and Phansiri, S. 2004. *In vitro* conservation of rose coloured leadwort: Effect of mannitol on growth of plantlets. In The Proceedings of 42nd Kasetsart university Annual Conference. 3-6 February 2004, Bangkok, pp 553-5596. Sakai, A., Hirai, D. and Charoensub, R. 2003. History and current issues of plant cryopreservation research. In Proceedings of the International Workshop on Cryopreservation of Bio-Genetic Resources. p. 3 –18. Kasetsart university Annual Conference. 3-6 February 2004, Bangkok, pp 553-559.

7. Sakai, A., Hirai, D. and **Charoensub, R**. 2003. History and current issues of plant cryopreservation research. In Proceedings of the International Workshop on Cryopreservation of Bio-Genetic Resources. p. 3 –18.

8 Sakai, A., Matsumoto, T., Hirai, D. and **Charoensub, R**. 2002. Survival of tropical apices cooled to –196°C by vitrification: Development of a potential cryogenic protocol of tropical plants by vitrification. In Li, P.H. and Palva, E.T., (eds). Proceeding of The 6th Plant Cold Hardiness Seminal. July 1-5, 2001, Helsinki, Finland. pp 109 – 119.

9 Phansiri, S., **Charoensub, R**., Plasilmongkol, P. and Taniguchi, T. 2001. Plant regeneration from protoplasts of paper mulberry, Thai variety. Proceedings of Paper Mulberry and Hand-Made Paper for Rural Development. 19-24 March 2001, Rama Gardens Hotel Bangkok, Thailand. p. 81-88.

10. **Charoensub, R**., Phansiri, S., Sakai, A. and Yongmanitchai, W. 2000. Cryopreservation of cassava *in vitro* – grown shoot tips cooled to 196°C by vitrification. In Englemann, F. and Takagi, H. (eds) Cryopreservation of Tropical Germplasm, Japanese International Research Center for Agricultural Science, Tsukuba, pp 401–403.

11. **Charoensub, R.**, Duangnamon, D., Manochai, B. and M. Jamroenprucksa ( )Sterilization technique for higher rate of clean tissue from seed and bulbs of Thai water onion (*Crinum thaianum* L.). *In* Proceeding of The Forestry Conference 2016. March 1-4, 2016. Kasetsart University (in Thai)

12. Pearaksa, P., **Charoensub, R.,** Wongkuntrakorn, N. and M. Nanakorn. 2015. Survival of plantlets of vetiver grass after precondition and cryopreservation by vitrification techniques. *In* Proceedings of The 7th National Science Research Conference. March 30-31, 2015. Naresuan University. (in Thai)

13. Phansiri, S, **Charoensub, R.,** Plasilmongkol, P. and Taniguchi, T. 2003, Plant growth and development from leaf mesophyll protoplasts of paper mulberry. The Third National Horticultural Congress, 22-25 April 2003, Bangkok, pp 117.(in Thai)