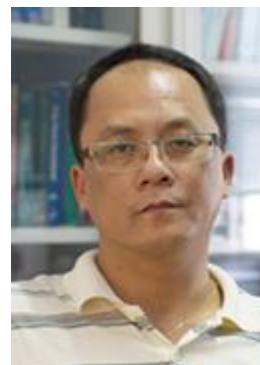


## CURRICULUM VITAE

Name	NGUYEN HOANG LOC
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Year of Birth	1962
Major	Biotechnology
1992	PhD, Vietnam Academy of Science and Technology, Hanoi
1996-1997	Postdoc (STA Fellowship), National Institute of Agrobiological Sciences, Tsukuba, Japan
2000-2002	Postdoc (BK21 Program), Chonbuk National University, Jeonju, South Korea
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1. Pharmacognosy Magazine
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### Research interests

1. Recombinant enzyme production in yeast and bacteria.
2. Expression of genes coding subunit antigens in plants and bacteria.
3. Regulation of gene expression in the pathways of secondary metabolism in plant cells.

### Main publications

1. Tae-Jin Kang, Jo-Eun Seo, **Nguyen-Hoang Loc**, Moon-Sik Yang (2003) Herbicide resistance of tobacco chloroplast expressing the *bar* gene. *Molecules and Cells* 16(1): 60-66.
2. Tae-Jin Kang, Tae-Ho Kwon, Tae-Gum Kim, **Nguyen-Hoang Loc**, Moon-Sik Yang (2003) Comparing constitutive promoters using CAT activity in transgenic tobacco plants. *Molecules and Cells* 16(1): 117-122.
3. Tae-Jin Kang, **Nguyen-Hoang Loc**, Mi-Ok Jang, Yong-Suk Jang, Young-Sook Kim, Jo-Eun Seo, Moon-Sik Yang (2003) Expression of the B subunit of *E. coli* heat-labile enterotoxin in the chloroplasts of plants and its characterization. *Transgenic Research* 12(6): 683-691.
4. Tae-Jin Kang, **Nguyen-Hoang Loc**, Mi-Ok Jang, Moon-Sik Yang (2004) Modification of the cholera toxin B subunit coding sequence to enhance expression in plants. *Molecular Breeding* 13(2): 143-153.
5. Jae-Hwa Lee, **Nguyen-Hoang Loc**, Tae-Ho Kwon, Moon-Sik Yang (2004) Partitioning of recombinant human granulocyte-macrophage colony stimulating factor from plant cell suspension culture in PEG/sodium phosphate aqueous two-phase system. *Biotechnology and Bioprocess Engineering* 9(1): 12-16.
6. **Nguyen Hoang Loc**, Doan Trong Duc, Tae Ho Kwon, Moon Sik Yang (2005) Micropropagation of

zedoary (*Curcuma zedoaria* Roscoe)-a valuable medicinal plant. *Plant Cell, Tissue and Organ Culture* 81(1): 119-122.

**7. Nguyen Hoang Loc**, Doan Thi Hong Diem, Doan Huu Nhat Binh, Dao Thi Huong, Tae Geum Kim, Moon Sik Yang (2008) Isolation and characterization of antioxidation enzymes from cells of zedoary (*Curcuma zedoaria* Roscoe) cultured in a 5-L bioreactor. *Molecular Biotechnology* 38(1): 81-87.

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**9. Nguyen Hoang Loc**, Nguyen Hoang Bach, Tae-Geum Kim, Moon-Sik Yang (2010) Tissue culture and expression of *Escherichia coli* heat-labile enterotoxin B subunit in transgenic *Peperomia pellucida*. *Protein Expression and Purification* 72: 82-86.

**10. Nguyen Hoang Loc**, Nguyen Huu Thuan Anh, Doan Huu Nhat Binh, Moon-Sik Yang, Tae-Geum Kim (2010) Production of glycoalkaloids from callus cultures of *Solanum hainanense* Hance. *Journal of Plant Biotechnology* 37: 96-101.

**11. Nguyen Hoang Loc**, Nguyen Thi Thuy Mien, Do Thi Bich Thuy (2010) Purification of extracellular  $\alpha$ -amylase from *Bacillus subtilis* by partitioning in polyethylene glycol/potassium phosphate aqueous two-phase system. *Annals of Microbiology* 60: 623-628.

**12. Nguyen Hoang Loc**, Nguyen Thi Tam An (2010) Asiaticoside production from cell culture of centella (*Centella asiatica* L. Urban). *Biotechnology and Bioprocess Engineering* 15: 1065-1070.

**13. Nguyen Hoang Loc**, Nguyen Van Song, Nguyen Quang Duc Tien, Tang Thuy Minh, Phan Thi Quynh Nga, Tae-Geum Kim, Moon-Sik Yang (2011) Expression of the *Escherichia coli* heat-labile enterotoxin B subunit in transgenic watercress (*Nasturtium officinale* L.). *Plant Cell, Tissue and Organ Culture* 105: 39-45.

**14. Nguyen Hoang Loc**, Huynh Van Kiet (2011) Micropropagation of *Solanum hainanense* Hance. *Annals of Biological Research* 2(2): 394-398.

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**19. Hoang Tan Quang**, Le Thi Xuan, Ngo Thi Mai, Nguyen Van Trung, Nguyen Thi Thu Lien, Truong Thi Bich Phuong, **Nguyen Hoang Loc** (2011) Genetic variability of Thanh tra pummelo (*Citrus grandis* Osbeck) in Thua Thien Hue, Vietnam. *Annals of Biological Research* 2(4): 306-314.

**20. Nguyen Hoang Loc**, Do Van Giap, Hoang Tan Quang (2011) Production of NPRC10 protease by recombinant *Escherichia coli* through submerged culture in 40-L fermenter. *Annals of Biological Research* 2(6): 62-68.

**21. Nguyen Hoang Loc**, Nguyen Thanh Giang (2012) Effects of elicitors on the enhancement of asiaticoside biosynthesis in cell cultures of centella (*Centella asiatica* L. Urban). *Chemical Papers* 66(7): 642-648.

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toxin B subunit grown under *in vivo* condition. *Annals of Biological Research* 3(5): 2070-2073.

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**26. Nguyen Hoang Loc**, Nguyen Thi Duy Nhat (2013) Production of asiaticoside from centella (*Centella asiatica* L. Urban) cells in bioreactor. *Asian Pacific Journal of Tropical Biomedicine* 3(10): 806-810.

**27. Nguyen Hoang Loc**, Nguyen Thi Quy Hoa, Pham Thi Kim Cuc, Hoang Tan Quang (2013) Expression of chitinase (*chi42*) gene from *Trichoderma asperellum* in *Saccharomyces cerevisiae*. *Annals of Biological Research* 4(9):15-19.

**28. Nguyen Hoang Loc**, Nguyen Huu Thuan Anh, Le Thi Minh Khuyen, Ton Nu Thuy An (2014) Effects of yeast extract and methyl jasmonate on the enhancement of solasodine biosynthesis in cell cultures of *Solanum hainanense* Hance. *Journal of BioScience and Biotechnology* 3(1): 1-6.

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- 38. Nguyen Hoang Loc, Pham Thi Ngoc Lan, Le Thi Ha Thanh et al (2016)** An investigation on the distribution and genetic diversity of *Eurycoma longifolia* Jack, and *in vitro* conservation of this valuable medicinal tree in Thua Thien Hue, Vietnam. *Plant Cell Biotechnology and Molecular Biology* 17(5-6): 226-234.
- 39. Nguyen Hoang Loc, Nguyen Thanh Giang, Nguyen Duc Huy, Truong Thi Phuong Lan (2017)** Accumulation of madecassoside - a major component of centelloside - in centella (*Centella asiatica* (L.) Urban) cells elicited by salicylic acid. *Periodicum Biologorum* 119(1): 81-85.
- 40. Nguyen Huu Nhan, Nguyen Hoang Loc (2017)** Production of eurycomanone from cell suspension culture of *Eurycoma longifolia* Jack. *Pharmaceutical Biology* 55(1): 2234-2239.
- 41. Hoang Thanh Tung, Nguyen Ba Nam, Nguyen Phuc Huy, Vu Quoc Luan, Vu Thi Hien, Le Tien Dung, Truong Thi Bich Phuong, Nguyen Hoang Loc, Duong Tan Nhut (2018)** A system for large scale production of chrysanthemum using microponics with the supplement of silver nanoparticles under light-emitting diodes. *Scientia Horticulturae* 232(17): 153-161.