

## Curriculum Vitae

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**Mailing address:** School of Biological Sciences and Chemistry  
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**Present Position:**

- Associate Professor, School of Biological Sciences and Chemistry, Sungshin Women's University, Korea
- Honorary Assistant Professor, School of Biological Sciences, University of Hong Kong
- Secretary General, IUCN Korea

**Education:**

Ph.D. (Botany) Seoul National University. 2001.  
M.A. (Biology) Sung Kyun Kwan University. 1993.  
B.S. (Biology) Sung Kyun Kwan University. 1990.

**Employment history:**

- Associate and Assistant Professor. School of Biological Sciences and Chemistry, Sungshin Women's University, Korea (March, 2009 – present).
- Senior Researcher, Genetic Resources. National Institute of Biological Resources, Ministry of Environment, Korea (Aug., 2007 – Feb. 2009).
- Postdoctoral associate. Natural Products Research Institute, Seoul National University, Korea (Mar., 2001 – Oct., 2001). Employer: Dr. Youngbae Suh.
- Postdoctoral associate. Department of Botany, University of Florida, USA (Oct., 2001 – Aug., 2007). Employer: Dr. Douglas E. Soltis.

**Ph.D. dissertation:**

2001. Phylogeny and classification of the Magnoliaceae. Seoul National University, Seoul, Korea.  
Advisors: Dr. Chong-Wook Park and Dr. Youngbae Suh.

**Master's thesis:**

1993. A taxonomic study of Scutellaria in Korea. Sung Kyun Kwan University, Suwon, Korea.  
Advisor: Dr. Sangtae Lee.

**Publications:**

- 61) 2019. Sang-Hun Oh, Hwa Jung Suh, Jongsun Park, Yongsung Kim, and **Sangtae Kim**. The complete chloroplast genome sequence of morphotype of *Goodyera schlechtendaliana* (Orchidaceae) with the column appendages. *Mitochondrial DNA Part B-Resources* 4: 626-627.
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- 59) 2018. Lee, Yoonkyung, Jung-Hyun Kim, Byung Yoon Lee, Jin-Seok Kim, and **Sangtae Kim**. A new distribution record of *Scutellaria barbata* D. Don (Lamiaceae) and an erroneously identified *Scutellaria* in Korea. *Korean Journal of Plant Taxonomy*. 48: 1-6.
- 58) 2018. Song, Eunji, Suhyeon Park, Jongsun Park, and **Sangtae Kim**. The chloroplast genome sequence of *Magnolia kobus* DC. (Magnoliaceae). *Mitochondrial DNA Part B-Resources* 3: 342-343.

- 57) 2017. Nam, Soohwan and **Sangtae Kim**. Propagation and restoration of destroyed original habitat of *Adenophora erecta* S. Lee, Joongku Lee et S. Kim, an endemic species of Ulleung island in Korea. Korean Journal of Nature Conservation 1: 82-90.
- 56) 2017. Lee, Yoonkyung and **Sangtae Kim**. Genome size of 15 Lamiaceae taxa in Korea. Korean Journal of Plant Taxonomy 47: 161-169.
- 55) 2016. **Sangtae Kim**. Test of DNA preservation with FTA card in various tracheophytes. Korean Journal of Nature Conservation 10: 89-100.
- 54) 2016. The global Carex Group (Pham, K. K., ... **S. Kim** ... et al.). Specimens at the center: an informatics workflow and toolkit for specimen-level analysis of public DNA database data. Systematic Botany 41: 529-539.
- 53) 2016. The global Carex Group (Jimenez-Mejias, P., ... **S. Kim** ... et al.). Megaphylogenetic specimen-level approach to the Carex (Cyperaceae) phylogeny using ITS, ETS, and matK sequences: implications for classification. Systematic Botany 41: 500-518.
- 52) 2016. Jongsun Park, Yongsung Kim, Suhwan Nam, Kyeong-In Heo, Hong Xi, Suwang Jang, Suhyeon Park, and **Sangtae Kim**. PlantGPS: a mobile application for collecting biogeographical information of plants and for their monitoring. Korean Journal of Nature Conservation 10: 9-17.
- 51) 2015. Lee, Yoonkyung, Jongduk Jung, and **SANGTAE KIM**. A suggestion of Korean names for the orders and families included in the APG III classification system. Korean Journal of Plant Taxonomy 45: 278-297.
- 50) 2015. Global Carex Group (... **SANGTAE KIM**... et al.). The Making Carex monophyletic (Cyperaceae, tribe Cariceae): a new broader circumscription. Botanical Journal of Linnean Society. 179: 1-42.
- 49) 2014. Ma, Younju and **SANGTAE KIM**. Pollen and Fruit Morphology of *Isodon* (Lamiaceae) in Korea. Korean Journal of Nature Conservation 8: 105-111.
- 48) 2014. Ma, Younju and **SANGTAE KIM**. Morphological diagnostic characters of *Isodon* (Lamiaceae) in Korea. Korean Journal of Plant Taxonomy 44: 261-275.
- 47) 2014. Melzer, Rainer, Andrea Härter, Florian Rümpler, **SANGTAE KIM**, Pamela S. Soltis, Douglas E. Soltis and Gunter Theissen. DEF- and GLO-like proteins may have lost most of their interaction partners during angiosperm evolution. Annals of Botany DOI: 10.1093/aob/mcu094.
- 46) 2013. Amborella Genome Project (... **SANGTAE KIM**... et al.). The Amborella genome and the evolution of flowering plants. Science 342: 1467.
- 45) 2013. Sungmin Kim and **SANGTAE KIM**. Diagnostic characters of *Juncus* (Juncaceae) species in Korea. Korean Journal of Plant Taxonomy 43: 196-207.
- 44) 2013. Cho Yun Sun,... **SANGTAE KIM**, ... et al. The tiger genome and comparative analysis with lion and snow leopard genomes. Nature Communications 4:2433 DOI: 10.1038/ncomms3433
- 43) 2013. **KIM, SANGTAE**, Pamela S. Soltis, and Douglas D. Soltis. AGL6-like MADS-box genes are sister to AGL2-like MADS-box genes. Journal of Plant Biology 56:315-325.
- 42) 2013. **KIM, SANGTAE** and Youngbae Suh. Phylogeny of Magnoliaceae based on the chloroplast DNA regions. Journal of Plant Biology 56: 290-305.
- 41) 2013. **KIM, SANGTAE** and Younju Ma. Morphological multivariate analyses of the *Isodon inflexus* complex (Lamiaceae) in Korea. Korean Journal of Nature Conservation 7: 42-49.
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- 39) 2011. **KIM, SANGTAE** and Younju Ma. Morphological multivariate analyses of *Isodon excisus* complex (Lamiaceae) in Korea. Korean Journal of Plant Taxonomy 41: 223-229.
- 38) 2011. **KIM, SANGTAE**, Seung-Yeon Lee, Seung-Chul Kim, Hye Won Byun, Sangtae Lee, Muyeal Kim, Seok-Pyo Hong, Youngjae Chung, Ki-Ryong Park, Chunghee Lee, Joongku Lee, Kyeong-In Heo, Jiye Lee, Eun-Jee Lee, and Yu-Ri Jin. Development of a mobile application, "Wild Flowers of Bukhansan National Park (version 1.0)", for identification of plants in Bukhansan national park. Journal of Korean

Nature 4: 139-150.

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- 36) 2010. **KIM, SANGTAE**. The first report: *Prunella pinnatifida* Benth. (Labiatae) in Korea. Korean J. Pl. Taxon. 40: 163-168.
- 35) 2010. **KIM, SANGTAE**. Endless debates on the extant basal-most angiosperm. Korean J. Pl. Taxon. 40: 1-15.
- 34) 2008. Kim, Ki-Joong, Young-Dong Kim, Joo-Hwan Kim, Seon-Joo Park, Chong-Wook Park, Byung-Yun Sun, Ki-Oug Yoo, Byoung-Hee Choi, and **SANGTAE KIM**. Phylogenetic classification of Korean vascular flora according to the recent APG classification system. Korean J. Pl. Taxon. 38: 197-222.
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- 32) 2008. Soltis, Douglas E., Victor A. Albert, Jim Leebens-Mack, Jeffery D. Palmer, Rod A. Wing, Claude W. dePamphilis, Hong Ma, John E. Carlson, Naomi Altman, **SANGTAE KIM**, P. Kerr Wall, Andrea Zuccolo, and Pamela S. Soltis. The Amborella genome: an evolutionary reference for plant biology. Genome Biology 9: 402.1-402.7.
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- Ilut, Teri M. Solow, Lukas A. Mueller, Lena L. Landherr, Yi Hu, Matyas Buzgo, **SANGTAE KIM**, Mi-Jeong Yoo, Michael W. Frohlich, Rafael Perl-Treves, Scott E. Schlarbaum, Barbara J. Bliss, Xiaohong Zhang, Steven D. Tanksley, David G. Oppenheimer, Pamela S. Soltis, Hong Ma, Claude W. dePamphilis, and James H. Leebens-Mack. Floral gene resources from basal angiosperms for comparative genomics research. *BMC Plant Biology* 5: 1-15.
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- 18) 2004. **KIM, SANGTAE**, Mi-Jeong Yoo, Victor A. Albert, James S. Farris, Pamela S. Soltis, Douglas E. Soltis. Phylogeny and diversification of B-function MADS-box genes in angiosperms: evolutionary and functional implications of a 260-million-year-old duplication. *American Journal of Botany* 21: 2102-2118. **Journal cover.**
- 17) 2004. **KIM, SANGTAE**, Douglas E. Soltis, Pamela S. Soltis, and Youngbae Suh. DNA sequences from Miocene fossils: an ndhF sequence of *Magnolia latahensis* (Magnoliaceae) and an rbcL sequence of *Persea pseudocarolinensis* (Lauraceae). *American Journal of Botany* 91: 615-620.
- 16) 2004. **KIM, SANGTAE**, Douglas E. Soltis, Pamela S. Soltis, Michael J. Zanis, and Youngbae Suh. Phylogenetic relationships among early-diverging eudicots based on four genes: Were the eudicots ancestrally woody? *Molecular Phylogenetics and Evolution* 31: 16-30.
- 15) 2003. Soltis, Douglas E., Anne E. Senter, Michael J. Zanis, **SANGTAE KIM**, James D. Thompson, Pamela Soltis, Louis P. Ronse de Craene, Peter K. Endress, and James S. Farris. Gunnerales are sister to other core eudicots and exhibit some floral features of early-diverging eudicots. *American Journal of Botany* 90: 461-470.
- 14) 2002. Sang Yong Lee, Youngbae Suh, **SANGTAE KIM**, and Chung Il Choi. Ecological and morphological characteristics of *Zostera caulescens* Miki (Zosteraceae) in Korea. *Ocean and Polar Research* 24: 345-357.
- 13) 2002. **KIM, SANGTAE**, Hans P. Nooteboom, Chong-Wook Park, and Youngbae Suh. Taxonomic revision of *Magnolia* section *Maingola* Dandy (Magnoliaceae) and the multivariate analysis of *Magnolia macklottii* complex. *Blumea* 47: 319-339.
- 12) 2001. **KIM, SANGTAE**, Chong-Wook Park, Young-Dong Kim, and Youngbae Suh. Phylogenetic relationships in family Magnoliaceae inferred from ndhF sequences. *American Journal of Botany* 88: 717-728. **Journal cover.**
- 11) 2000. Soltis, S. Pamela, Douglas E. Soltis, Michael J. Zanis, and **SANGTAE KIM**. Basal lineages of angiosperms: relationships and implications for floral evolution. *International Journal of Plant Science* 161: 97-107.
- 10) 2000. Sun, Byung-Yun, Tae Jin Kim, **SANGTAE KIM**, Young Bae Suh, and Chul Hwan Kim. Systematics of *Ostericum* (Apiaceae) in Korea. *Korean Journal of Plant Taxonomy* 30: 94-104.
- 9) 1997. Suh, Youngbae, **SANGTAE KIM** and Chong-Wook Park. A phylogenetic study of *Polygonum* sect. *Tovara* (Polygonaceae) based on ITS sequences of nuclear ribosomal DNA. *Journal of Plant Biology* 40: 47-52.
- 8) 1997. **KIM, SANGTAE** and Sangtae Lee. Multivariate analyses of the *Scutellaria pekinensis* complex (Labiatae) in Korea. *Journal of Plant Biology* 40: 37-45.
- 7) 1997. Lee, Sangtae, Joongku Lee, and **SANGTAE KIM**. A new species of *Adenophora* (Campanulaceae) from Korea. *Journal of Plant Research* 110: 77-80.
- 6) 1996. Suh, Youngbae, **SANGTAE KIM** and Chong-Wook Park. AFLP examination for putative hybrid between *Aconitum japonicum* ssp. *napiforme* and *A. jaluense* ssp. *jaluense* (Ranunculaceae). *Korean Journal of Plant Taxonomy* 27: 59-71.
- 5) 1996. Cho, Hae-Jeong, **SANGTAE KIM**, Youngbae Suh, and Chong-Wook Park. ITS sequences of some

- Acer species and phylogenetic implication. Korean Journal of Plant Taxonomy 26: 271-291.
- 4) 1996. Suh, Youngbae, Hye-Jeong Cho, **SANGTAE KIM**, and Chong-Wook Park. Comparative analysis of ITS sequences from Acer species (Aceraceae) in Korea. Journal of Plant Biology 39: 1-8.
  - 3) 1995. **KIM, SANGTAE** and Sangtae Lee. Fruit surface morphology of Scutellaria (Lamiaceae) in Korea and its taxonomic implication. Korean Journal of Plant Taxonomy 25: 165-176.
  - 2) 1995. **KIM, SANGTAE** and Sangtae Lee. Taxonomy of the genus Scutellaria (Lamiaceae) in Korea. Korean Journal of Plant Taxonomy 25: 71-102.
  - 1) 1994. **KIM, SANGTAE** and Sangtae Lee. Two new varieties of Scutellaria indica L. from Korea. Korean Journal of Plant Taxonomy 24: 73-78.

### **Books:**

2009. 구연봉, 김상태, 남궁선, 이영미, 임재원, 전주민, 정은희, 최원영, 허준미(가나다순). 2008 생물자원 통계자료집. 환경부 국립생물자원관 (정기간행물등록번호: 11-1480592-000021-01).

### **Translations:**

2005. 이상태, 김무열, 홍석표, 정영재, 박기룡, 이정희, 이종구, 김상태. 식물분류학 - 계통학적 접근. 제 2판. 신일상사. 원저: 2002. Judd, Walter, Christopher S. Campbell, Elizabeth A. Kellogg, Peter F. Stevens, Michael J. Donoghue. Plant Systematics-A Phylogenetic Approach. 2<sup>nd</sup> ed. Sunderland, Sinauer.
2008. 김상태, 박영철, 서경인, 원용진, 원효식, 정민걸, 정종우, 최원영, 황혜진. 진화학. 라이프사이언스. 원저: 2005. Futuyma, Douglas J. Evolution. Sunderland, Sinauer.

### **Membership in Professional Societies:**

The Magnolia Society  
 The Plant Taxonomic Society of Korea  
 Botanical Society of Korea

Updated: Sep. 2017