

CURRICULUM VITAE

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Personal Details

Nationality : Indian

Passport Number : K8477886

Date of Birth / Age : 10.07.1974, 46 years

Sex : Male

Marital Status : Married

Permanent Address : Puthira Goundanpalayam (Post), Attur (Taluk),
Salem (District), TamilNadu 636119, India

Research Interests

In vitro propagation, Hydroponics, Medicinal & ornamental plants propagation, Somatic embryogenesis,
Secondary metabolite production

Educational Profile

Ph. D (Botany): Centre for Advanced Studies in Botany, University of Madras, India (1999-2003)
Thesis title: Tissue culture studies on *Withania somnifera* with focus on Withanolides production

M. Phil.: Centre for Advanced Studies in Botany, University of Madras, India (1998-1999)
Thesis title: Bioremediation of Tannery effluents

M. Sc (Botany): Department of Botany, Annamalai University, India (1996-1998)

B. Sc (Botany): Presidency College, University of Madras, India (1993-1996)

Teaching Experience

Assistant Professor: Institute of Environment & Life Sciences, Konkuk University, 2014-till date

Academic Research Professor: Institute of Agriculture & Life Sciences, Gyeongsang National University, 2010-2013

Senior Researcher: BK21Program, Gyeongsang National University, South Korea (2006-2010)

Teaching assistant: Dept. of Biotechnology, University of Madras, 2001-2003

Visiting Faculty: Dept. of Biotechnology, AMET University, 2003-2005

Research Experience

Assistant Professor: Institute of Environment & Life Sciences, Konkuk University, South Korea (2014-till date)

Academic Research Professor: Institute of Agriculture & Life Sciences, Gyeongsang National University, South Korea (2010-2013)

Senior Researcher: BK21Program, Gyeongsang National University, South Korea (2006-2010)

Scientist (R&D Head): Best Biotek Research Labs (p) Ltd, Bangalore, India (2004-2005)

Project Associate: UGC project entitled “Cryo preservation of endangered medicinal plants” (2003-2004)

Junior Research Fellow (JRF): UGC project entitled “Biopesticidal efficacy of *Ocimum* species” (May 2002 – May 2003)

Trainee: National Environmental Engineering Research Institute, CSIR Complex, Taramani, Chennai (1999- 2000)

Memberships in Professional Societies

American Society for Horticultural Science

International Society for Horticultural Science

Korean Society for Horticultural Science

Patents

4. **Sivanesan I**, Jeong BR. 2013. In vitro propagation of *Jeffersonia dubia* Benth et. Hook. 10-2013-0042061 (Registration number 1-1-2013-0333424-18), Filing date 2013. 04. 17

3. **Sivanesan I**, Jeong BR. 2012. Cineraria ‘Tokyo Daruma’ induction method of plant variation in the blue. Registration number 10-2012-0091413, Filing date 2012. 08. 21

2. **Sivanesan I**, Jeong BR. 2012. Evergreen azalea (*Rhododendron keiskei* var. *hypoglaucum*) in vitro

mass propagation technology. Registration number 10-2012-0091399, Filing date 2012. 08. 21

1. Song JY, **Sivanesan I**, Jeong BR. 2012. Using explants of chrysanthemum petal for chrysanthemum genetic transformation methods. Registration number 10-2009-0119765, Filing date 2009. 12. 04, Issue date 2012. 04. 05

Research Publications

http://scholar.google.co.kr/citations?hl=en&user=_NafuUAAAAAJ&view_op=list_works

<http://www.scopus.com/authid/detail.url?jsessionid=35F8ABD1CF31764251148B5181C897A1.FZg2ODcJC9ArCe8WOZPvA?authorId=23089306300>

96. **Sivanesan I**, Venkidasamy B, Kuppuraj SP, Samynathan R, Nayeem S. 2021. Genetic and epigenetic modes of the regulation of somatic embryogenesis: A review. *South African Journal of Botany* **Under review** (SCI)

95. Muthu M, Gopal J, Tasneem S, Kim DH, and **Sivanesan I**. 2021. Fumigation for surface sterilization of plant tissue culture explants: The nano carbon role involved in the fumigation ascendancy. *International Journal of Environmental Research and Public Health* **Under review** (SCIE)

94. Song K, Kim KS, Ak G, Zengin G, Cziáky Z, Jekő J, Adaikalam K, Kim DH, **Sivanesan I**. 2021. Discriminating biological activities and contents of in vitro cultured and greenhouse grown leaves of black ginger by ultra-high-performance liquid chromatography combined with electrospray tandem mass spectrometric phytochemical analysis. *Scientia Horticulturae* **Under review** (SCIE)

93. Song K, Kang H, Ak G, Zengin G, Cziáky Z, Jekő J, Kim DH, Lee ON, **Sivanesan I**. 2020. Micropropagation, phytochemistry and biological activity of the critically endangered *Mammillaria herrerae* Werdermann. *South African Journal of Botany* Available online, **In Press**. <https://doi.org/10.1016/j.sajb.2020.11.025> (SCI)

92. Muthu M, Gopal J, Chun SC, Devadoss AJP, Hasan N, **Sivanesan I** and 2021. Crustacean waste-derived chitosan: Antioxidant properties and future perspective. *Antioxidants (Basel)*. 10: 228. <https://doi.org/10.3390/antiox10020228> (SCIE)

91. Song K, Kang H, Kim DH, and **Sivanesan I**. 2020. Micropropagation of *Astrophytum myriostigma* Lem. through areoles activation. *Propagation of Ornamental Plants* 20, (4): 111-117 (SCIE)

90. Song K, **Sivanesan I**, Ak G, Zengin G, Cziáky Z, Jekő J, Rengasamy KRR, Lee ON, and Kim DH. 2020. Screening of Bioactive Metabolites and Biological Activities of Calli, Shoots, and Seedlings of *Mertensia maritima* (L.) Gray. *Plants* 9, 1551 (SCIE)

89. Lee ON, Ak G, Zengin G, Cziáky Z, Jekő J, Rengasamy KRR, Park HY, Kim DH, **Sivanesan I**. 2020. Phytochemical composition, antioxidant capacity, and enzyme inhibitory activity in callus, somaclonal variant, and normal green shoot tissues of *Catharanthus roseus* (L) G. Don. *Molecules* 25, 4945 (SCIE)

88. Song K, Kim DH, and **Sivanesan I**. 2020. Effect of plant growth regulators on micropropagation of *Hosta minor* (Baker) Nakai through shoot tip culture. *Propagation of Ornamental Plants* 20, (2): 57-62 (SCIE)

87. Kang H, Kang KW, Kim DH, and **Sivanesan I**. 2020. *In vitro* propagation of *Gastrochilus matsuran* (Makino) Schltr., an endangered epiphytic orchid. *Plants* 9: 524. Doi:10.3390/plants9040524 (SCIE)

86. Chun SC, Gopal J, **Sivanesan I** and Muthu M. 2020. An analytical retrospection of mass spectrometric tools established for plant tissue culture: Current endeavours and future perspectives. *TrAC Trends in Analytical Chemistry* 126: 115843. Doi: 10.1016/j.trac.2020.115843 (SCI)

85. Enkhtaivan G, Nile A, **Sivanesan I**, Rengasamy KRR, Kim DH, Keum YS and Saini RK. 2019. Chemopreventive Effect of β -Cryptoxanthin on human cervical carcinoma (HeLa) cells is modulated through oxidative stress-induced apoptosis. *Antioxidants (Basel)*. 9(1): E28. Doi: 10.3390/antiox9010028 (SCIE)

84. Mahomoodally MF, Lobine D, Rengasamy KRR, Gowrishankar S, Tewari D, Zengin G, Kim DH and **Sivanesan I**. 2019. Marine algae: A potential resource of anti-HSV molecules. *Processes* 7, (12): 887 (SCIE) <https://doi.org/10.3390/pr7120887>

83. Kim DH, Kang KW and **Sivanesan I.** 2019. *In vitro* germination and seedling development of *Gastrochilus japonicus* (Makino) Schltr.. *Propagation of Ornamental Plants* 19, (3): 61-65 (SCIE)
82. Kim DH, Kang KW and **Sivanesan I.** 2019. Micropropagation and somaclonal variation in *Haworthia truncata* Schönland. *Propagation of Ornamental Plants* 19, (2): 52-58 (SCIE)
81. Kim DH and **Sivanesan I.** 2019. Somatic embryogenesis in *Hosta minor*. *Propagation of Ornamental Plants* 19, (1): 24-29 (SCIE)
80. Kim DH, Enkhtaivan G, Saini RK, Keum YS, Kang KW and **Sivanesan I.** 2019. Production of bioactive compounds in cladode culture of *Turbinicarpus valdezianus* (H. Moeller) Glass & R. C. Foster. *Industrial Crops and Products* 138: 111491 (SCIE) <https://doi.org/10.1016/j.indcrop.2019.111491>
79. Kim DH, Kang KW and **Sivanesan I.** 2019. Impact of activated charcoal, culture medium strength and thidiazuron on non-symbiotic in vitro seed germination of *Pecteilis radiata* (Thunb.) Raf.. *South African Journal of Botany* 124: 144-150 (SCI)
78. Park HY, Kim DH, Saini RK, Gopal J, Keum YS, and **Sivanesan I.** 2019. Micropropagation and quantification of bioactive compounds in *Mertensia maritima* (L.) Gray. *International Journal of Molecular Sciences* 20: 2141 (SCIE)
77. Saini RK, **Sivanesan I** and Keum YS. 2019. Emerging roles of carotenoids in the survival and adaptations of microbes. *Indian journal of microbiology* 59 (1), 125-127 (SCIE)
76. Kim DH, Kang KW and **Sivanesan I.** 2019. Influence of auxins on somatic embryogenesis in *Haworthia retusa* Duval. *Biologia* 74: 25–33 (SCIE)
75. Gopal J, Anthonydhason V, Muthu M, Gansukh E, Jung S, Chul S and **Sivanesan I.** 2019. Authenticating apple cider vinegar's home remedy claims: antibacterial, antifungal, antiviral properties and cytotoxicity aspect. *Natural Product Research* 33 (6): 906-910 (SCIE)
74. Jeong BR and **Sivanesan I.** 2018. Impact of light quality and sucrose on adventitious shoot regeneration and bioactive compound accumulation in *Ajuga multiflora* Bunge. *Scientia Horticulturae* 236: 222–228 (SCIE)

73. Seon KM, Kim DH, Kang KW and **Sivanesan I**. 2018. Highly competent in vitro propagation of *Thrixspermum japonicum* (Miq.) Rchb.f., a rare epiphytic orchid. *In Vitro Cellular and Developmental Biology-Plant* 54: 302-308 (SCI)
72. Park HY, Kang KW, Kim DH and **Sivanesan I** (2018) In vitro propagation of *Cymbidium goeringii* Reichenbach fil. through direct adventitious shoot regeneration. *Physiology and Molecular Biology of Plants* 24: 307-313 (SCIE)
71. Gopal J, Chun S, Anthonydasan V, Jung S, Mwangombe BN, Muthu M, and **Sivanesan I**. 2018. Assays evaluating antimicrobial activity of nanoparticles: a myth buster. *Journal of Cluster Science* 29: 207–213 (SCI)
70. Muthu M, Wu HF, Gopal J, **Sivanesan I**, Chun S. 2017. Exploiting microbial polysaccharides for biosorption of trace elements in aqueous environments—scope for expansion via nanomaterial intervention. *Polymers* 9:721 <https://doi.org/10.3390/polym9120721> (SCIE)
69. Park HY, Saini RK, Gopal J, Keum YS, Kim DH, Lee O and **Sivanesan I**. 2017. Micropropagation and carotenoids, fatty acids and tocopherol content in shoot tissues of *Sedum dasyphyllum* L. *Frontiers in Chemistry* 5: 77 doi: 10.3389/fchem.2017.00077 (SCIE)
68. Kim DH, Kang KW and **Sivanesan I**. 2017. Micropropagation of *Haworthia retusa* Duval. *Propagation of Ornamental Plants* 17 (3): 77-82 (SCIE)
67. Kim DH, Gopal J and **Sivanesan I**. 2017. Nanomaterials in plant tissue culture: disclosed and undisclosed. *RSC Advances* 7: 36492-36505 DOI: 10.1039/c7ra07025j (SCIE)
66. Kim DH, Kang KW and **Sivanesan I**. 2017. In vitro propagation of *Cymbidium* hybrid. *Propagation of Ornamental Plants* 17 (2): 48-54 (SCIE)
65. Park HY, Kim DH and **Sivanesan I**. 2017. Micropropagation of *Ajuga* species: a mini review. *Biotechnology Letters* 39 (9): 1291-1298 DOI: 10.1007/s10529-017-2376-4 (SCI)

64. Saini RK, **Sivanesan I** and Keum YS. 2016. Phytochemicals of *Moringa oleifera*: a review of their nutritional, therapeutic and industrial significance. *3Biotech* 6(2): DOI: 10.1007/s13205-016-0526-3 (SCIE)

63. Kim DH and **Sivanesan I**. 2016. Influence of benzyladenine and thidiazuron on shoot regeneration from leaf and shoot tip explants of *Sedum sarmentosum* Bunge. *Brazilian Archives of Biology and Technology* 59: e16150717 <http://dx.doi.org/10.1590/1678-4324-2016150717> (SCIE)

62. **Sivanesan I**, Saini RK, and Kim DH. 2016. Bioactive compounds in hyperhydric and normal micropropagated shoots of *Aronia melanocarpa* (Michx.) Elliott. *Industrial Crops & Products* 83: 31-38 (SCIE)

61. **Sivanesan I**, Saini RK, Rafi N, Zamany AJ and Kim DH. 2016. In vitro propagation, carotenoid, fatty acid and tocopherol content of *Ajuga multiflora* Bunge. *3Biotech* 6(1): 91 10.1007/s13205-016-0376-z (SCIE)

60. Jeong BR, **Sivanesan I**. 2016. Micropropagation, berberine content and anticancer activity of *Jeffersonia dubia* (Maxim.) Benth et Hook. *Plant Cell Tissue and Organ Culture* 124 (2): 453-458 DOI 10.1007/s11240-015-0898-9 (SCI)

59. Jeong BR, **Sivanesan I**. 2015. Micropropagation of *Sorbus commixta* Hedl. *Propagation of Ornamental Plants* 15 (4): 142-146 (SCIE)

58. **Sivanesan I**, Kyoung KE, Kyoung KE, Young KE, Park SW. 2015. Somatic embryogenesis and plant regeneration from zygotic embryo explants of onion. *Horticultura Brasileira* 33 (4): 4441-447 (SCIE)

57. **Sivanesan I**, Park SW. 2015. Optimizing factors affecting adventitious shoot regeneration, in vitro flowering and fruiting of *Withania somnifera* (L.) Dunal. *Industrial Crops & Products* 76: 323-328 (SCIE)

56. Jeong BR, **Sivanesan I**. 2015. Direct adventitious shoot regeneration, in vitro flowering, fruiting, secondary metabolite content and antioxidant activity of *Scrophularia takesimensis* Nakai. *Plant Cell Tissue and Organ Culture* 123 (3): 607-618 DOI 10.1007/s11240-015-0864-6 (SCI)

55. **Sivanesan I**, Kim DH. 2015. Effect of silicon on *in vitro* bulblet regeneration from bulb scale explants of *Lillium longiflorum* Thunb. *Propagation of Ornamental Plants* 15 (3): 107-112 (SCIE)
54. **Sivanesan I**, Park SW. 2015. Effect of plant growth regulators on axillary shoot multiplication from nodal explants of *Ajuga multiflora* Bunge. *Propagation of Ornamental Plants* 15 (1): 42-44 (SCIE)
53. **Sivanesan I**, Park SW. 2014. Effect of thidiazuron on axillary shoot multiplication and subsequent rooting of *Sphagneticola trilobata* (L.) Pruski. *Propagation of Ornamental Plants* 14 (4): 147-151 (SCIE)
52. **Sivanesan I**, Park SW. 2014. The role of silicon in plant tissue culture. *Frontiers in Plant Science*, 5: 571. Doi: 10.3389/fpls.2014.00571 (SCIE)
51. Soundararajan P, **Sivanesan I**, Jana S, Jeong BR. 2014. Influence of silicon supplementation on the growth and tolerance to high temperature in *Salvia splendens*. *Horticulture Environment and Biotechnology* 55(4): 271-279 (SCIE)
50. Kumar SK., **Sivanesan I**, Murugesan K, Jeong BR, Hwang SJ. 2014. Enhancing salt tolerance in eggplant by introduction of foreign halotolerance gene, *HAL1* isolated from yeast. *Horticulture Environment and Biotechnology* 55(3): 222-229 (SCIE)
49. **Sivanesan I**, Jana S, Jeong BR. 2014. *In vitro* shoot regeneration and microcorm development in *Crocus vernus* (L.) Hill. *Pakistan Journal of Botany* 46(2): 693-697 (SCIE)
48. **Sivanesan I**, Son MS, Soundararajan P, Jeong BR. 2014. Effect of silicon on growth and temperature stress tolerance of *Nephrolepis exaltata* 'Corditas'. *Korean Journal of Horticulture Science and Technology* 32(2): 142-148(SCIE)
47. **Sivanesan I**, Jeong BR. 2014. Silicon promotes adventitious shoot regeneration and enhances salinity tolerance of *Ajuga multiflora* Bunge by altering activity of antioxidant enzyme. *The Scientific World Journal* Article ID 521703, 10 pages <http://dx.doi.org/10.1155/2014/521703> (SCIE)
46. **Sivanesan I**, Son MS, Soundararajan P, Jeong BR. 2013. Growth of chrysanthemum cultivars as affected by silicon source and application method. *Korean Journal of Horticulture Science and Technology* 31(5): 544-551(SCIE)

45. **Sivanesan I**, Jeong BR. 2013. Micropropagation of *Rhododendron keiskei* var. *hypoglaucum* Suto & Suzuki and assessment of clonal fidelity of plantlets by RAPD. *Propagation of Ornamental Plants* 13 (3): 123-129 (SCIE)
44. Soundararajan P, **Sivanesan I**, Jo EH, Jeong BR. 2013. Silicon promotes shoot proliferation and shoot growth of *Salvia splendens* ‘Hot Jazz’ under salt stress. *Horticulture Environment and Biotechnology* 54(4): 311-318 (SCIE)
43. Park YG, **Sivanesan I**, Jeong BR. 2013. Effect of silicon source and application method on growth and development, and incidence of powdery mildew (*Sphaerotheca pannosa* var. *rosae*) in potted *Rosa* hybrid ‘Apollo’ and ‘Remata’. *Flower Research Journal* 21(2): 57-63.
42. Jana S, **Sivanesan I**, Jeong BR. 2013. The effect cytokinins on in vitro multiplication of *Sophora tonkinensis*. *Asian Pacific Journal of Tropical Biomedicine* 3(7): 549-553(SCIE)
41. Lim MY, Jana S, **Sivanesan I**, Park HR, Hwang JH, Park YH, Jeong BR. 2013. Analysis of genetic variability using RAPD markers in *Paeonia* spp. grown in Korea. *Korean Journal of Horticulture Science and Technology* 31(3): 322-327 (SCIE)
40. Son MS, Song JY, Lim MY, **Sivanesan I**, Kim GS, Jeong BR. 2013. Silicon uptake level of six potted plants from a potassium silicate-supplemented hydroponic solution. *Korean Journal of Horticulture Science and Technology* 31(2): 153-158 (SCIE)
39. Jana S, **Sivanesan I**, Lim MY, Jeong BR. 2013. In vitro zygotic embryo germination and somatic embryogenesis through cotyledonary explants of *Paeonia lactiflora* Pall. *Flower Research Journal* 21(1): 17-22
38. **Sivanesan I**, Jeong BR. 2013. Direct adventitious shoot regeneration from cotyledonary explants of *Jeffersonia dubia* Benth et. Hook. *Propagation of Ornamental Plants* 13 (1): 46-48 (SCIE)
37. **Sivanesan I**, Son MS, Song JY, Jeong BR. 2013. Silicon supply through subirrigation system affects growth of three chrysanthemum cultivars. *Horticulture Environment and Biotechnology* 54(1): 14-19 (SCIE)
36. **Sivanesan I**, Jeong BR. 2012. In vitro propagation of *Polygonatum odoratum* Druce var. *pluriflorum* Ohwi f. *variegatum* Y.N. Lee. *Propagation of Ornamental Plants* 12 (4): 215-219 (SCIE)
35. Lim MY, Lee EJ, Jana S, **Sivanesan I**, Jeong BR. 2012. Effect of Potassium silicate on growth and leaf epidermal characteristics of begonia and pansy grown in vitro. *Korean Journal of Horticulture*

Science and Technology **30(5)**: 579-585 (SCIE)

34. **Sivanesan I**, Jeong BR. 2012. Identification of somaclonal variants in proliferating shoot cultures of *Senecio cruentus* cv. Tokyo Daruma. *Plant Cell Tissue and Organ Culture* 111 (2): 247-253. DOI: 10.1007/s11240-012-0186-x (SCI)

33. **Sivanesan I**, Lim MY, Jeong BR. 2012. Micropropagation and greenhouse cultivation of *Scrophularia takesimensis* Nakai, a rare endemic medicinal plant. *Pakistan Journal of Botany* 44(5): 1657-1662 (SCIE)

32. **Sivanesan I**, Son MS, Jana S, Jeong BR. 2012. Secondary Somatic Embryogenesis in *Crocus vernus* (L.) Hill. *Propagation of Ornamental Plants* 12 (3): 163-170 (SCIE)

31. Son MS, Oh HJ, Song JY, **Sivanesan I**, Lim MY, Jeong BR. 2012. Effect of silicon source and application method on growth of kalanchoe ‘Peperu’. *Korean Journal of Horticulture Science and Technology* **30(3)**: 250-255 (SCIE)

30. Meganathan C, Sebastian S, **Sivanesan I**, Lee KW, Jeong BR, Oturak H, Sudha S, Sundaraganesan N. 2012. Structural, Vibrational (FT-IR and FT-Raman) and UV-Vis spectral analysis of 1-phenyl-3-(1,2,3-thiadiazol-5-yl) urea by DFT method. *Spectrochimica Acta Part A: molecular and Biomolecular Spectroscopy*. 95: 331-340 (SCI)

29. Song JY, **Sivanesan I**, Jeong BR. 2012. Use of petal explants for successful transformation of *Dendranthema x grandiflorum* Kitamura ‘Orlando’ mediated by *Agrobacterium tumefaciens*. *African Journal of Biotechnology* 11(37): 9141-9148 (SCIE)

28. Soundararajan P, Sakthiah S, **Sivanesan I**, Lee KW, Jeong BR. 2011. Macromolecular docking simulation to identify binding site of FGB1 for antifungal compounds. *Bulletin of the Korean Chemical Society* **32 (10)**: 3675-3681 (SCI)

27. **Sivanesan I**, Ko CH, Lee JP, Jeong BR. 2011. Influence of cytokinins on adventitious shoot regeneration from leaf and petiole explants of *Ajuga multiflora* Bunge. *Propagation of Ornamental Plants* **11 (3)**: 156-158 (SCIE)

26. **Sivanesan I**, Song JY, Jeong BR. 2011. Micropropagation of *Hedera helix* ‘Mini’. *Propagation of Ornamental Plants* **11 (3)**: 125-130 (SCIE)

25. **Sivanesan I**, Lim MY, Jeong BR. 2011. Somatic embryogenesis and plant regeneration from leaf and petiole explants of *Campanula punctata* Lam. Var. *rubriflora* Makino. *Plant Cell Tissue and*

Organ Culture **107**: 365-369 (SCI)

24. **Sivanesan I**, Son MS, Lee JP, Jeong BR. 2011. Soaking of seeds with potassium silicate and uni conazole on germination and seedling growth of tomato cultivars Seogeon and Seokwang. *African Journal of Biotechnology* **10(35)**: 6743-6749 (SCIE)

23. **Sivanesan I**, Lim MY, Jo EH, Jeong BR. 2011. Somatic embryogenesis and plant regeneration in *Crocus vernus*. *IPCBEE* **4**: 199-201

22. **Sivanesan I**, Song JY, Hwang SJ, Jeong BR. 2011. Micropropagation of *Cotoneaster wilsonii* Nak ai - a rare endemic ornamental plant. *Plant Cell Tissue and Organ Culture* **105**: 55-63 (SCI)

21. **Sivanesan I**, Son MS, Lee JP, Jeong BR. 2010. Effects of silicon on seedlings growth of *Tagetes patula* 'Boy Orange' and 'Yellow Boy' cultured in an environment controlled chamber. *Propagation of Ornamental Plants* **10 (3)**: 136-140 (SCIE)

20. Song JY, **Sivanesan I**, An CG, Jeong BR. 2010. Adventitious Shoot regeneration from leaf Explants of miniature paprika (*Capsicum annuum*) 'Hivita Red' and 'Hivita Yellow'. *African Journal of Biotechnology* **9(19)**: 2768-773 (SCI)

19. Hwang SJ, **Sivanesan I**, Jeong BR. 2009. Short-term ion uptake by Phalaenopsis as affected by concentration of the solution. *Journal of Plant Nutrition* **32(12)**: 2044-2061(SCI)

18. **Sivanesan I**, Jeong BR. 2009. Induction and establishment of adventitious and hairy root cultures of *Plumbago zeylanica* L. *African Journal of Biotechnology* **8(20)**: 5294-5300(SCI)

17. Hwang SJ, Shin WG, **Sivanesan I**, Jeong BR. 2009. Height suppression of tomato plug seedlings by an environment friendly seed treatment of plant growth retardants. *African Journal of Biotechnology* **8(17)**: 4100-4107 (SCI)

16. **Sivanesan I**, Jeong BR. 2009. Micropropagation of *Plumbago zeylanica* L. *African Journal of Biotechnology* **8(16)**: 3761-3768 (SCI)

15. Song JY, **Sivanesan I**, An CG, Jeong BR. 2009. Micropropagation of paprika (*Capsicum annum*) and its subsequent performance in greenhouse cultivation. *Korean Journal of Horticulture Science and Technology* **27(2)**: 293-298 (SCIE)

14. Hwang SJ, Lee MY, **Sivanesan I**, Jeong BR. 2009. Suppression of stretchiness in pot Kalanchoe blossfeldiana Pollen. 'Rako' by application of plant growth retardants as recycled subirrigational supply

ly. *Propagation of Ornamental Plants* **9 (1)**: 26-34 (SCIE)

13. **Sivanesan I**, Jeong BR. 2009. *In vitro* propagation of *Sphagneticola trilobata* (L.) Pruski. *Propagation of Ornamental Plants* **9 (1)**: 10-15 (SCIE)

12. **Sivanesan I**, Hwang SJ, Jeong BR. 2008. Influence of plant growth regulators on axillary shoot multiplication and iron source on growth of *Scrophularia takesimensis* Nakai - a rare endemic medicinal plant. *African Journal of Biotechnology* **7(24)**: 4484-4490 (SCI)

11. Hwang SJ, Lee MY, **Sivanesan I**, Jeong BR. 2008. Growth control of kalanchoe cultivars Rako and Gold Strike by application of paclobutrazol and uniconazole as soaking treatment of cuttings. *African Journal of Biotechnology* **7(22)**: 4212-4218 (SCI)

10. **Sivanesan I**, Murugesan K. 2008. An efficient regeneration from nodal explants of *Withania somnifera* Dunal. *Asian Journal of Plant Science* **7 (6)**: 551-556.

9. Hwang SJ, Lee MY, Park YH, **Sivanesan I**, Jeong BR. 2008. Suppression of stem growth in pot kalanchoe 'Gold Strike' by recycled subirrigational supply of plant growth retardants. *African Journal of Biotechnology* **7(10)**: 1487-1493 (SCI)

8. Lee HK, **Sivanesan I**, Jeong BR. 2008. Effect of planting density, pinching, and mowing on plant growth and development of *Chrysanthemum boreale* Mak. *Flower Research Journal* **16(1)**: 23-27

7. Lee HK, **Sivanesan I**, Jeong BR. 2007. Growth and morphological characteristics of wild clones of *Chrysanthemum boreale* Mak. *Horticulture Environment and Biotechnology* **48(6)**: 413-417 (SCIE)

6. **Sivanesan I**, Jeong BR. 2007. Micropropagation and *in vitro* flowering in *Pentanema indicum* Ling. *Plant Biotechnology* **24**: 527-532 (SCIE)

5. **Sivanesan I**, Lee YM, Song JY, Jeong BR. 2007. Adventitious shoot regeneration from leaf and petiole explants of *Campanula punctata* var. *rubriflora*. *Propagation of Ornamental Plants* **7(4)**: 210-215 (SCIE)

4. **Sivanesan I**, Jeong BR. 2007. Direct shoot regeneration from nodal explants of *Sida cordifolia* Linn. *In Vitro Cellular and Developmental Biology-Plant* **43**: 436-441 (SCI)

3. **Sivanesan I**. 2007. Shoot regeneration and somaclonal variation from leaf callus cultures of *Plumbago zeylanica* Linn. *Asian Journal of Plant Science* **6**: 83-86

2. **Sivanesan I.** 2007. Direct regeneration from apical bud explants of *Withania somnifera* Dunal. *Indian Journal of Biotechnology* **16**: 125-127 (SCIE)

1. **Sivanesan I,** Murugesan K. 2005 *In vitro* adventitious shoot formation from leaf explants of *Withania somnifera* Dunal. *Plant Cell Biotechnology and Molecular Biology* **6(3&4)**: 163-166

List of Papers Presented in Conference / Seminar / Symposia

82. Moon Sook Son, **I. Sivanesan**, and Byoung Ryong Jeong. 2013. Effect of silicon on tolerance to high temperatures in *Euphorbia pulcherrima* Willd. 'Ichiban'. GreenSys 2013, Oct. 6-11, 2013. Jeju, Korea. pages

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80. **Sivanesan I**, Sonali Jana, and Byoung Ryong Jeong. 2013. In vitro shoot regeneration and microcorm development in *Crocus vernus* (L.) Hill. 2nd International Symposium on Plant Cryopreservation. August 11-14, 2013. Fort Collins, CO, USA. Page 104.

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