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TITLE

Director/Senior Research Scholar

ADDRESS

Kilgore Hall 232
Department of Horticultural Science
North Carolina State University
Raleigh, NC 27695

EDUCATION

Ph.D. Horticulture biotechnology, Shandong Agricultural University, Tai-an, China, 1999
M. S. Horticulture biotechnology, Shandong Agricultural University, Tai-an, China, 1994
B.S. Horticulture, Gansu Agricultural University, Lanzhou, China, 1990

PROFESSIONAL ORGANIZATIONS

1. Sigma Xi, The Scientific Research Society
2. The American Society for Horticultural Science
3. Society for In Vitro Biology
4. International Society for Horticultural Science

LEADERSHIP ACHIEVEMENTS

1. Staff Senate, NC State University
2. Chair, Plant Biotechnology Interest Group, American Society for Horticultural Science. 2023-2024
3. Co-Chair, Horticultural Science Safety Committee. NC State University
4. Chair, Asian Horticulture Interest Group, American Society for Horticultural Science.
5. Membership Committee, American Society for Horticultural Science
6. Agricultural Leadership Institute. CALS Leadership Office, North Carolina State University. 2022
7. Leadership Southside XIX, Pittsylvania County Chamber of Commerce. Virginia
8. Endowment Committee, American Society for Horticultural Science

PATENT

US Patent (pending)

Composition and methods related to somatic embryogenesis in rose plants

US Patent No: US 9,055,721B2

Methods and media formulations for large-scale and efficient micropropagation of bioenergy grasses.

GRANT

1. \$ 40,000, Cotton Incorporated, 2024. PI. Cotton DH breeding

2. \$ 495,895, Bill & Melinda Gates Research Foundation. 2023. Co-PI. Vegetative crop genome editing
3. \$ 30,000, USDA-ARS.2023. Co-PI. Strawberry genome editing
4. \$ 400,000USDA-ARS. 2023. Co-PI. Ornamental and biofuel crop genome editing.
5. \$ 40,000, Cotton Incorporated, 2023. PI. Cotton DH breeding.
6. \$ 30,000, USDA. 2022. Co-PI. Fruit and vegetable genome editing
7. \$ 18,753, NC Biotech Center. 2022. PI. DH system for tomato breeding and genetics community
8. \$ 40,000, Cotton Incorporated. 2022. PI. DH system for cotton breeding and genetics community
9. \$ 20,000, NC Biotech Center. 2022. Co-PI. Transformation and regeneration system in highbush blueberries
10. \$ 20,000, NC Biotech Center. 2022. Co-PI. Development of novel genotype-independent regeneration system for gene editing in sweet potato
11. \$ 25,000 Triangle Industry Partnership 2021 PI. Arabidopsis genome editing
12. \$ 6,638 NC State Laboratory Research Equipment Program 2021 PI. Nano-drop 2000C spectrophotometer
13. \$ 80,100 NC Department of Agriculture and Consumer Services 2021 Co-PI Genetic enhancement of CBD hemp
14. \$ 6,500 NC Crop Improvement Association, Inc. 2021 Co-PI. Curing rose rosette virus.
15. \$ 18,000 Virginia Agriculture Council 2016 PI. Cucumber grafting methods and rootstock breeding.
16. \$ 23,000 VDACS-USDA 2015 PI. Strengthen and develop Asian pear market in Virginia.
17. \$ 1,000.000 Danville regional foundation 2010 PI. IALR Commercial plant propagation facility

PROFESSIONAL EMPLOYMENT

Director

Plant Transformation Laboratory, Department of Horticulture, CALS, North Carolina State University. 06/2020 - present

Lead Scientist

Syngenta Seeds, RTP, North Carolina. 10/2019 – 06/2020

Lead Scientist

Phytelligence, Smart Agriculture, Portland, Oregon. 06/2018 - 10/2019

Senior Scientist

Institute for Advanced Learning and Research, Danville, Virginia. 10/2011 – 06/2018

Adjunct Professor

Department of Horticulture, Virginia Tech, Blacksburg, Virginia. 10/2011 to 06/2018

Director

Dan River Plant Propagation Center, Danville, Virginia. 10/ 2011 - 10/2012

Scientist/Project Manager

Institute for Advanced Learning and Research, Danville, Virginia. 10/2007 -10/2011

Research Professional

NESPAL-University of Georgia; USDA-ARS, Tifton, Georgia. 10/2004 - 10/2007

Senior Scientist

Konkuk University, KV Bio, Seoul, Korea Republic. 05/2003 - 10/2004

Visiting Scientist

Swedish University of Agriculture, Dept. of Horticulture, Alnarp, Sweden. 01/2003 - 05/2003

Associate Professor

College of Horticulture, Shandong Agricultural University (SDAU), Taian Shandong, China. 07/2002 - 06/2006

Director

Horticulture Biotechnology Center, College of Horticulture, SDAU, Taian Shandong, China. 07/2002 - 06/2006

Assistant Professor

College of Horticulture, Shandong Agricultural University, Taian Shandong, China. 07/1994 - 07/2002

RESEARCH EXPERIENCE

Plant transformation, genome editing 2020-present

1. Corn, cotton, wheat, soybean transformation, genome editing
2. Rose, Potato, sweet potato, cucumber, honeydew, watermelon, hydrangea, strawberry, miscanthus transformation, genome editing
3. Arabidopsis, carrot, Setaria, tomato, tobacco transformation, genome editing

DH breeding 2019-2020

1. Anther culture
2. Microspore culture

Commercial tissue culture, genome editing 2018-2019

1. Sweet cherry rootstock and scion tissue culture micropropagation
2. Blueberry tissue culture micropropagation
3. Strawberry tissue culture micropropagation
4. Grape tissue culture micropropagation
5. Pear tissue culture micropropagation
6. Cherry leaf culture organogenesis and plant regeneration
7. Cherry dwarf rootstock in vitro culture elongation methods
8. Strawberry leaf culture organogenesis and plant regeneration

High value horticulture 2013-2018

1. Greenhouse English cucumber production system
2. Greenhouse cherry tomato production system
3. Cucumber grafting technology
4. Cucumber rootstock breeding
5. Strengthen and develop Asian pear market in Virginia
6. High yield purple sweet potato production system in Virginia Piedmont

Functional foods 2014-2018

1. Purple sweet potato breeding
2. Sweet potato virus elimination
3. Edible lily

Plant tissue culture 2009-2018

1. Purple sweet potato virus free plant initiation and in vitro propagation
2. Miscanthus sinensis tissue culture regeneration
3. Lily (Easter, Oriental, Asiatic, O-T) tissue culture organogenesis and somatic embryogenesis
4. Rex begonia leaf culture regeneration
5. Azalea tissue culture micropropagation
6. Arundo Donax callus culture regeneration
7. Miscanthus giganteus tissue culture commercialization
8. Tea rose tissue culture and in vitro propagation
9. Iceland poppy cell suspension culture and somatic embryogenesis
10. Angels trumpet micropropagation
11. RAPD analysis of somaclonal variation in tissue cultured plants

In vitro breeding

1. Daylily embryo rescue and triploid breeding
2. In vitro breeding of foliage color mutant in daylily
3. In vitro breeding of foliage color mutant in Easter lily
4. Pineapple lily somatic embryogenesis and in vitro breeding
5. Daylily school color breeding

DNA methylation, AFLP and MSAP 2007-2009

1. DNA methylation and gene expression in response to plant growth beneficial bacteria inoculation
2. Methylation sensitive amplification polymorphism (MSAP)
3. Radioactive free AFLP
4. PAGE gel technology
5. Gene clone
6. Real time PCR
7. DNA sequence

Cotton genetic transformation 2004-2007

1. Development of tissue culture regeneration, and transformation protocols for elite Georgia cotton lines
2. Green fluorescent protein (GFP) gene as a visual selection marker for genetic transformation of cotton
3. Single cell genetic transformation in cotton
4. Cotton SSR markers

Corn pest control and plant-insect interaction 2005-2006

1. Corn insect resistance breeding

2. Physiological response of corn plants to insect damage
3. Biological control of stink bug in corn field

Orchid commercial tissue culture and breeding 2003-2004

1. Phalaenopsis orchid tissue culture commercialization
2. Genetic transformation of Phalaenopsis orchid aiming at flower color control

Ornamental plant tissue culture and genetic transformation 2000-2003

1. Tissue culture regeneration, micro-propagation and pot plant production of begonia (*Begonia X Elatior*)
2. Tissue culture regeneration, micropropagation and pot plant production of trailing petunia (*Petunia hybrida*)
3. Tissue culture micropropagation of lisianthus (*Eustoma grandiflorum*)
4. Tissue culture, micropropagation and pot plant production of *Sinningia speciosa*
5. Tissue culture, regeneration and micropropagation of *Amaryllis vittata*
6. Tissue culture, micropropagation and pot plant production of mini rose (*Rose hybrida*)
7. Agrobacterium mediated transformation of begonia (*Begonia X Elatior*) with CpTI gene
8. Agrobacterium mediated transformation of petunia (*Petunia hybrida*) with CHS gene
9. Agrobacterium mediated transformation of Chinese chive (*Allium tubersume Rottle*) with CpTI gene

Fruit tree biotechnology 1996-1999

1. Construction of super expression binary vector harboring cowpea trypsin inhibitor (CpTI) gene
2. Apple tissue culture and plant regeneration
3. Agrobacterium mediated transformation of apple
4. RAPD analysis of somaclonal variation in apple
5. BAC library construction of a dwarf apple germplasm
6. Analysis of DNA fingerprint between sport apple and its parent by RAPD and AFLP

Fruit tree cultivation and breeding 1991-1996

1. Water efficient orchard management system-peach, apple, grape and pear
2. High yield fruit tree pruning technology-peach, apple, grape and pear
3. Fruit quality control through cultivation practice
4. Tissue culture of fruit trees, including apple, cherry, and grape
5. Research of ginkgo germplasms toward development of bio-active beverages
6. Mutation breeding of apple and chestnut toward fruit color, nut size and yields.

SEMINARS

VSU, Ginger tissue culture and micropropagation	2023
CEA, Controlled environment breeding in the era of CRISPR	2023
ASHS Plant transformation in the era of genome editing	2023
Plant cell culture technology	2022
Plant transformation and gene editing	2021
Daylily tissue culture and in vitro breeding	2015

Pineapple lily and oriental lily somatic embryogenesis	2013
Agrobacterium mediated genetic transformation of plants	2012
Plant artificial seed technology	2012
Commercial plant propagation technology and breeding	2011
Ornamental poppy biotechnology	2010
Plant asexual propagation	2010
DNA sequence technology	2009
PAGE gel technology	2009

PUBLICATIONS

Invited Book Chapter:

Da, K. Plant tissue culture and mutation breeding. In Cheng Xuesen (eds) (2002), Horticultural Plant Breeding, Shandong Sci. & Tech. Publisher. China.

Proceeding Chapters:

1. **Da, K.** and Shu, H.R. Progress in apple somatic embryogenesis. Zhu Dewei (eds) (2001) International proceedings in biotechnology application in horticultural plants. China Forestry Publisher. Beijing, China.
2. **Da, K.**, McCurdy, J., Ozias-Akins, P., May, L. and Chee, P. 2006. Progress toward the development of transgenic cotton cultivars adapted to Georgia environments. <http://www.griffin.uga.edu/caes/cotton/terpubs/2005/p131.pdf>
3. Ni, X., Krakowsky, M. and **Da, K.** 2005. Evaluation of Corn Hybrids for Resistance to Insects. <http://www.griffin.uga.edu/swvt/2005/cn05/RR701-insect.pdf>
4. **Da, K.**, Zhang, S. and Shu, H. 2001. Progress in apple embryogenesis. International symposium on biotechnology application in horticultural crops. China Agri. Sci. Press, Beijing, China. P43-47

Research Articles:

1. **DA, K.**, Harmon, D., Nelson, A., Leng, H., McLennan, S., Nix, C., Kinsch, E., Leoshko, G., Hall, G., Huang, D., Touchel, D., Liu, W. and Ranney, T. Agrobacterium mediated transformation of rose meristem in vitro. Acta Horticulturae (in press)
2. Harmon, D.D., Touchell, D.H., Ranney, T.G., **Da, K.**, Liu, W. 2022. Tissue culture and regeneration of three rose cultivars. HortScience, 57(11):1430–1435.
3. Maren, N. A., Duan, H., **Da, K.**, Yencho, G. C., Ranney, T. G. and Liu, W. 2022. Genotype-independent plant transformation, Horticulture Research, Volume 9 uhac047. <https://doi.org/10.1093/hr/uhac047>
4. **Da K.**, Farish-Williford, H. and Flinn, B. 2013. Acclimatization of micropropagated Icelandic poppy 'Temptress' plantlets. Acta Horticulturae. 988:93-98

5. Kim, S., **Da, K.** and Mei, C. 2012. An efficient system for high-quality large-scale micro-propagation of *Miscanthus x Giganteus* plants. *In Vitro Cellular & Developmental Biology – Plant*. 48(6):613-619
6. **Da, K.**, Nowak, J. and Flinn, B. 2012. Potato cytosine methylation and gene expression changes induced by a beneficial bacterial endophyte, *Burkholderia phytofirmans* strain PsJN. *Plant Physiol Biochem*. 50(1):24-34.
7. Ni, X., **Da, K.**, Buntin, D., Cottrell, T. E., Tillman, P. G., Olson, D. M., Powell, R., Jr., Lee, R. D., Wilson, J. P. and Scully, B. T. 2010. Impact of brown stink bug (*Heteroptera: Pentatomidae*) feeding on corn grain yield components and quality. *Journal of Economic Entomology*. *J. Econ. Entomol.* 103(6): 2072-2079
8. Ni, X., **Da, K.**, Buntin, D. and Brown S. 2008. Physiological basis of fall armyworm (*Lepidoptera:Noctuidae*) resistance in seedlings of maize inbred lines with varying levels of silk maysin. *Florida Entomologist*. 91(4):537-545
9. Zang, Y., Zheng, W. and **Da, K.** 2004. Effect of different plant growth regulators on apple rooting in vitro. *J. Shihezi Univ.* 22 (3) : 201–203
10. Zang, Y., Zheng, W. and **Da, K.** 2004. Progress on biochemical change during plant somatic embryogenesis. *J Shandong Agri. Univ.* 35(1):131-136.
11. Zang, Y., Zheng, W. and **Da, K.** 2004. Progress on apple leaf culture and regeneration. *Biotechnology*. (2) :15–18.
12. Zang, Y., Zhang, S. and **Da, K.** 2004. Studies on leaf regeneration, micropropagation and pot plant production in trailing petunia (*Petunia Hybrid*a). *Acta Agriculturae Nucleatae Sinica*. 18 (1) :18–21
13. **Da, K.**, Zhang, S., Zang, Y., Wu, L. and Shu, H. 2004. Morphological study of direct somatic embryogenesis from in vitro leaves of apple. *Acta Agriculturae Nucleatae Sinica*. 18 (2) :118–120
14. **Da, K.**, Zhang, S., Zang, Y., Li, H., Jiao, J. and Wu, L. 2003. Studies on mini-rose tissue culture and pot plant production. *Plant tissue culture and virus free plant technology*. Chinese Sci. and Tech. Press. Beijing, China. P75-78.
15. **Da, K.** and Zhang, S. 2003. Leaf culture, propagation and pot plant production in *Lisianthus* (*Eustoma grandiflorum*). *J. Shandong Agric. Univ.* 34 (4) :494–498
16. Zhang, S., **Da, K.** and Cao, C. 2003. *Agrobacterium tumefaciens*-mediated transformation of Chinese chive (*Allium tuberosum* Rottle) *Acta Horticulturae Sinica*. 2003, 30(1): 39-42
17. Zhang, S., **Da, K.** and Cao, C. 2003. Effects of antibiotics on plant regeneration on Chinese chive (*Allium tuberosum* Rottle). *Acta Agriculturae Nucleatae Sinica*. 2003, 17(2): 101-104
18. Zhang, S., **Da, K.** and Cao, C. 2002. Efficient plant regeneration via root tip culture on Chinese chive (*Allium tuberosum* Rottle). *Acta Horticulturae Sinica*. 29(2): 141-144
19. Zhang, S., **Da, K.** and Cao, C. 2002. Rapid micropropagation system via in vitro culture on *Amaryllis vittata* and its embryogenesis. *Acta Horticulturae Sinica*. 29(3): 285-287
20. **Da, K.** and Zhang, S. 2002. Construction of CpTI gene super expression binary vector and transfer into apple. *Proceedings of International Apple Symposium*. *J. Shandong Agric. Univ. (Suppl)*: 175-178
21. **Da, K.** and Zhang, S. 2002. Study on adventitious shoot regeneration and micropropagation from in vitro leaves of *Begonia x Elatior*. *J. Shandong Agric. Univ.* 33(1): 93-95

22. Zhang, S., **Da, K.**, Wei, Y. and Wen, F. 2002. Shoot regeneration of various genotypes in vitro and optimization of hormone concentration and combination in Chinese cabbage. *J. Shandong Agric. Univ.* 33(1): 7-13
23. **Da, K.** and Zhang, S. 2001. Somatic embryogenesis from leaves of *Begonia Elatior*. *Acta Horticulturae Sinica.* 28(2): 180-181
24. **Da, K.**, Cui, D. and Zhang, S. 2001. Transformation of apple using supper expression cowpea trypsin inhibitor (CpTI) gene. *Acta Horticulturae Sinica.* 28 (1): 57-58
25. **Da, K.**, Zhang, S. and Li, Y. 2001. Wounding induced efficient direct somatic embryogenesis in apple leaves. *Acta Agriculturae Nucleatae Sinica.* 15(5): 290-293
26. **Da, K.**, Zhang, S., Li, Y. and Qi, Z. 1996. Direct somatic embryogenesis from in vitro leaves of apple. *Acta Horticulturae Sinica.* 23(3): 241-245
27. **Da, K.**, Zhang, S., Li, Y. and Shu, H. 1996. Somatic embryogenesis from petiole in apple. *Acta Agriculturae Nucleatae Sinica.* 10(2): 75-78
28. **Da, K.**, Li, Y. and Shu, H. 1995. Callus induction and plant regeneration in apple. *Acta Agriculturae Nucleatae Sinica.* 9(3): 139-142

Oral presentations

1. **DA, K.**, Harmon, D., Nelson, A., Leng, H., McLennan, S., Nix, C., Kinsch, E., Leoshko, G., Hall, G., Huang, D., Touchel, D., Liu, W. and Ranney, T. 2023. *Agrobacterium* mediated transformation of rose meristem in vitro. The 4th Asian Horticultural Congress, August 28-31. Tokyo, Japan.
2. **Da, K.**, Leng, H., Nelson, A., Nix, C., Kinsch, E., Liu, W. and Yencho, G. C. 2023. *Agrobacterium*-mediated genetic transformation of sweetpotato embryogenic cell suspension cultures. ASHS annual conference, August 8-11. Orlando, FL.
3. **Da, K.**, Leng, H., Kinsch, E., Nix, C. and Saravitz, C. 2023. Cell Culture and Regeneration in Cucumber (*Cucumis sativis* L.). ASHS annual conference, August 8-11. Orlando, FL.
4. **Da, K.**, Leng, H., Hermon, D., Nelson, A., Maren, N., Liu, W., Ranney, T. 2022. Somatic embryogenesis in cells suspension cultures of rose. ASHS annual conference. July 30-August 3. Chicago, IL.
5. **Da, K.**, Leng, H., Hermon, D., Nelson, A., Maren, N., Liu, W., Ranney, T. 2022. *Agrobacterium*-mediated genetic transformation of rose embryogenic cell suspension cultures. *In vitro cellular & developmental biology.* June 4-7. San Diego, CA.
6. **Da, K.**, Leng, H., Liu, W., Yencho, G. C. 2022. Somatic embryogenesis in cells suspension cultures of sweetpotato (*Ipomoea batatas*). *In vitro cellular & developmental biology.* June 4-7. San Diego, CA.
7. **Da, K.**, Shepard, F., Almeyda, C., Pecota, K., Liu, W., Yencho, G. C. 2021. Leaf culture and regeneration in elite sweetpotato (*Ipomoea batatas* L.) genotypes. *In vitro cellular & developmental biology.* 57:2014
8. **Da, K.** and Leng, H. 2021. Leaf culture organogenesis in cherry rootstocks. ASHS annual conference, Aug. 5-9. Denver, CO
9. **Da, K.** and Smith, S. 2016. Fruit bagging for organic and quality fruit production. ASHS annual conference, Aug. 8-11. Atlanta, GA
10. **Da, K.** and Smith, S. 2016. Oriental lily 'Silk Road' callus culture and plant regeneration. ASHS annual conference, Aug. 8-11. Atlanta, GA

11. **Da, K.** and Smith, S. 2016. In vitro propagation of ornamental grass 'Bowles Golden' (*Carex elata* 'Aurea'). ASHS annual conference, Aug. 8-11. Atlanta, GA
12. **Da, K.**, Smith, S. 2015 Daylily (*Hemerocallis*) tissue culture and in vitro breeding. ASHS annual conference. Aug. 8–11, New Orleans, Louisiana
13. **Da, K.**, Smith, S. 2015 Rex Begonia tissue culture technology. ASHS annual conference. Aug. 8–11, New Orleans, Louisiana
14. **Da, K.**, Smith, S. and Farish-Williford, H. 2014. Artificial seeds in oriental lily. ASHS annual conference. July 28-31, Orlando, Florida.
15. **Da, K.**, Farish-Williford, H., Smith, S. and Flinn, B. 2013. Adventitious shoot regeneration from Asiatic lily. ASHS annual conference. July 22-25, Palm Desert, California.
16. **Da, K.**, Farish-Williford, H. and Flinn, B. 2011. Plant tissue culture and commercialization in southern Virginia. 5th International symposium on acclimatization and establishment of micropropagated plants. Oct. 19-20, Nebraska city, Nebraska.
17. **Da, K.**, Ni, X., Buntin, D. and Brown, S. 2006. Morphological and physiological response of corn seedlings to brown and southern green stink bug feeding. 70th annual meeting for Georgia Entomological Society. March 29-31. Jekyll Island, George.
18. **Da, K.**, McCurdy, J., May, L., Ozias-Akins, P. and Chee, P. 2006. Development of plant regeneration and transformation protocols for an elite Georgia cotton line. Beltwide cotton conferences, Jan. 3-6. San Antonio, Texas.
19. **Da, K.**, Zhang, S. and Shu, H. 1996. Somatic embryos in apple. 2nd Asia-pacific conference in plant cell tissue and organ culture. Beijing, China.

Posters:

1. **Da, K.**, Leng, H., Shepard, F., Nelson, A., Nix, C., Kinsch, E., Leoshko, Liu, W., Saravitz, C. and Yencho, G. C. 2023. Efficient *Agrobacterium*-mediated genetic transformation of sweetpotato. The 4th Asian Horticultural Congress, August 28-31. Tokyo, Japan.
2. **Da, K.**, Leng, H., Chee, P., Saravitz, C., Chen, H. and Louws, F. 2022. Cotton microspore embryo induction. Beltwide cotton conferences. Jan. 4-6. New Orleans, Louisiana
3. Harmon, D., Touchell, D., **Da, K.**, Liu, W., Ranney, T. 2021. *In vitro* regeneration of three elite rose hybrid cultivars. *In vitro cellular & developmental biology*. 57:2020
4. **Da, K.** and Smith, S. 2016. An edible lily Lanzhou lily tissue culture, regeneration and micropropagation. ASHS annual conference, August 8-11. Atlanta, GA
5. **Da, K.** and Smith S. 2016. Grafting English cucumber onto a gourd rootstock improves pot cucumber yield and disease resistance in greenhouse. ASHS annual conference, August 8-11. Atlanta, GA
6. **Da, K.**, Smith, S. and Carey, J. 2015 In vitro propagation of an ornamental grass *Miscanthus sinensis* 'Strictus'. ASHS annual conference. Aug. 8–11, New Orleans, Louisiana
7. **Da, K.**, Smith, S. and Miller, N. 2015 Random amplified polymorphic DNA (RAPD) analysis of an Easter lily chlorophyll mutant. ASHS annual conference. Aug. 8–11. New Orleans, Louisiana

8. Zhang, S., Carey, J. and **Da, K.** 2015 Micropropagation of two ornamental grasses *Schizachyrium scoparium* and *Sporobolus heterolepis*. ASHS annual conference. Aug. 8–11. New Orleans, Louisiana
9. **Da, K.**, Smith, S. and Farish-Williford, H. 2014. Oriental lily tissue culture somatic embryogenesis. ASHS annual conference. July 28-31. Orlando, Florida.
10. **Da, K.**, Smith, S. and Farish-Williford, H. 2014. Pineapple lily (*Eucomis*) tissue culture and somatic embryogenesis. ASHS annual conference. July 28-31. Orlando, Florida.
11. **Da, K.**, Farish-Williford, H., Smith, S. and Flinn, B. 2013. Artificial seeds in Asiatic lily. ASHS annual conference. July 22-25. Palm Desert, California.
12. **Da, K.**, Farish-Williford, H. and Flinn, B. 2011. Acclimatization of micropropagated Iceland poppy “temptress” plantlets. 5th international symposium on acclimatization and establishment of micropropagated plants. Oct. 19-20. Nebraska city, Nebraska.
13. **Da, K.**, Farish-Williford, H. and Flinn, B. 2011. Somatic embryogenesis and plant regeneration from Iceland poppy “Temptress”. In vitro biology meeting. June 4-8. Raleigh, North Carolina.
14. **Da, K.**, Iqbal, M.J., Nowark, J. and Flinn, B. 2010. Potato DNA methylation and gene transcript changes associated with a beneficial bacterial endophyte interaction. Plant Biology 2010, Joint annual meeting of the American society of plant biologists & the Canadian society of plant physiologists - La société canadienne de physiologie végétale, July 31 – August 4. Montreal, Canada.
15. Rumen Conev, Lisa Lipsey, Jeffrey Miller, Frederic Duis, Linda Pinkham, John Wise, Douglas Hensel, William McCaleb, Gregory Eaton, Richard Baker, Barry Flinn, Zhiwu Li, Yinghui Dan, M. Javed Iqbal, **Kedong Da**, O'Neil Brian, and Jerzy Nowak. 2009. Strategies for Evaluation and Introduction of Ornamental Germplasm in Virginia. HortScience June 2009 vol. 44 (3)555-581
16. Ni, X., **Da, K.**, Buntin, G., Cottrell, T.E., Tillman, P.G., Olson, D.M. and Krakowsky, M.D. 2008. Economic injury level of brown stink bug damage on developing corn ears. Georgia entomological society annual meeting, April 2-4. Cordele, Georgia.
17. Ni, X., **Da, K.**, Gunawan, G., Buntin, D. and Brown, S.L. 2008. Physiological and biochemical bases of fall armyworm resistance in the seedlings of maize inbred lines. Southeastern branch of the Entomological Society of America annual meeting, March 2-5. Jacksonville, Florida
18. Ni, X., **Da, K.**, Buntin, D., Cottrell, T.E., Gunawan, G., Krakowsky, M.D., Powell, R., Tillman, P.G., Olson, D.M., Mcpherson, R., Wilson, J.P., Lee, D. and Coy, A. 2007. Seasonal population dynamics and kernel damage of the brown stink bug (Heteroptera: Pentatomidae) in corn. In: Proceedings of the Georgia Entomological Society annual meeting, May 16-17. Athens, Georgia. P-14
19. **Da, K.**, Ozias-Akins, P., McCurdy J. and Chee P. W. 2007. Temporal and spatial expression of GFP gene in transgenic cotton. Beltwide cotton conferences, Jan. 9-12. New Orleans, Louisiana
20. **Da, K.**, Ozias-Akins, P. and Chee P. W. 2006. A Single-cell based genetic transformation system in cotton. ICGI Research conference, Sept. 18-20. Brasilia DF, Brazil.