

## Publications for Daniel Tan

### 2019

Bokshi, A., Tan, D., Trethowan, R. (2019). A robust and rapid pollen viability test using impedance flow cytometry for high throughput screening of heat tolerant wheat (*Triticum aestivum*) germplasm. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Najeeb, U., Tan, D., Sarwar, M., Ali, S. (2019). Adaptation of Crops to Warmer Climates: Morphological and Physiological Mechanisms. In Atanu Sarkar, Suman Ranjan Sensarma, Gary W. vanLoon (Eds.), *Sustainable Solutions for Food Security: Combating Climate Change by Adaptation*, (pp. 27-50). Cham: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-77878-5\_2">[More Information]</a>

Fong, R., Cross, R., Martin, R., Tan, D. (2019). Analysis of the vegetable value chain and gender roles in vegetable production in northwest Cambodia. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Thi, S., Van Ogtrop, F., Southam-Rogers, L., Tan, D. (2019). Assessment of pesticide residues in vegetables in the Inle Lake region in Myanmar. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Kaloki, P., Luo, Q., Trethowan, R., Tan, D. (2019). Can the development of drought tolerant ideotype sustain Australian chickpea yield? *International Journal of Biometeorology*, 63, 393-403. <a href="http://dx.doi.org/10.1007/s00484-019-01672-7">[More Information]</a>

Guerin, T., Tan, D., Coleman, G., Bishop, A., Shaw, V., Harding, M. (2019). Chartered Agriculturalist (CAg) i<sub>1</sub>/<sub>2</sub> A New Industry Accreditation Scheme for Professionals in Australian Agriculture. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Kaloki, P., Devasirvatham, V., Tan, D. (2019). Chickpea Abiotic Stresses: Combating Drought, Heat and Cold. *Abiotic and Biotic Stress in Plants*, (pp. 1-24). Online: IntechOpen. <a href="http://dx.doi.org/10.5772/intechopen.83404">[More Information]</a>

Sharma, A., Tan, D. (2019). Crop Competition as a Strategy to Control Feathertop Rhodes Grass in Sorghum. *Acta Scientific Agriculture*, 3(9), 176-180.

Sinclair Hinchcliffe, I., Quinnell, R., Martin, R., Touch, V., Tan, D. (2019). Development of a pest identification mobile phone application for mungbean in Northwest Cambodia. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Kaloki, P., Trethowan, R., Tan, D. (2019). Effect of genotype x environment x management interactions on chickpea phenotypic stability. *Crop and Pasture Science*, 70(5), 453-462. <a href="http://dx.doi.org/10.1071/CP18547">[More Information]</a>

Kaloki, P., Trethowan, R., Tan, D. (2019). Genetic and environmental influences on chickpea water-use efficiency. *Journal of Agronomy and Crop Science*, 205(5), 470-476. <a href="http://dx.doi.org/10.1111/jac.12338">[More Information]</a>

Romeo, J., Filippi, P., Baird, J., Volkova, A., Tan, D. (2019). Identifying within-season cotton crop nitrogen status using

multispectral imagery. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Hulugalle, N., Lenehan, B., Nachimuthu, G., Tan, D. (2019). Increasing wheat sowing rates can reduce winter weed numbers in a cottonwheat rotation. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Campbell Ross, H., Yous, S., Martin, R., Tan, D. (2019). Mungbean (*Vigna radiata* (L.) R. Wilczek) varietal evaluation for northwest Cambodian lowland rice systems. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

Khan, A., Kong, X., Najeeb, U., Zheng, J., Tan, D., Akhtar, K., Munsif, F., Zhou, R. (2019). Planting Density Induced Changes in Cotton Biomass Yield, Fiber Quality, and Phosphorus Distribution under Beta Growth Model. *Agronomy*, 9(9), 1-18. <a href="http://dx.doi.org/10.3390/agronomy9090500">[More Information]</a>

Gaynor, H., Filippi, P., Brodrick, R., Tan, D. (2019). When to irrigate? Testing the technologies available to estimate soil water in cotton systems. *19th Australian Agronomy Conference 2019*, Australia: Australian Society of Agronomy.

### 2018

Chen, Z., Tao, X., Khan, A., Tan, D., Luo, H. (2018). Biomass Accumulation, Photosynthetic Traits and Root Development of Cotton as Affected by Irrigation and Nitrogen-Fertilization. *Frontiers in Plant Science*, 9, 1-14. <a href="http://dx.doi.org/10.3389/fpls.2018.00173">[More Information]</a>

Broughton, K., Bange, M., Duursma, R., Payton, P., Smith, R., Tan, D., Tissue, D. (2018). Can our new cotton varieties handle our changing climate? *The Australian Cottongrower*.

Khan, A., Pan, X., Najeeb, U., Tan, D., Zahoor, R., Luo, H. (2018). Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. *Biological Research*, 51(1), 1-17. <a href="http://dx.doi.org/10.1186/s40659-018-0198-z">[More Information]</a>

Devasirvatham, V., Tan, D. (2018). Impact of High Temperature and Drought Stresses on Chickpea Production. *Agronomy*, 8(8), 1-9. <a href="http://dx.doi.org/10.3390/agronomy8080145">[More Information]</a>

Luo, Q., Trethowan, R., Tan, D. (2018). Managing the risk of extreme climate events in Australian major wheat production systems. *International Journal of Biometeorology*, 62(9), 1685-1694. <a href="http://dx.doi.org/10.1007/s00484-018-1568-5">[More Information]</a>

Tan, D., Martin, R., Ampt, P., Touch, V., Cross, R., Ormiston, J., Nash, T., Rathmell, W., Try, Y., Sareth, C., et al (2018). Partnerships for the sustainable intensification of farming systems in lowland Cambodia. *Development Bulletin*, (79), 104-105.

Ullah, N., Tan, D., Bange, M., Atwell, B. (2018). Protecting cotton crops under elevated CO<sub>2</sub> from waterlogging by managing ethylene. *Functional Plant Biology*, 45(3), 340-349. <a href="http://dx.doi.org/10.1071/FP17184">[More Information]</a>

Information]

## 2017

Bartimote, T., Quigley, R., Bennett, J., Hall, J., Brodrick, R., Tan, D. (2017). A comparative study of conventional and controlled traffic in irrigated cotton: II. Economic and physiological analysis. *Soil and Tillage Research*, 168, 133-142. <a href="http://dx.doi.org/10.1016/j.still.2016.12.009">[More Information]

Martin, R., Van Ogtrop, F., Henson, Y., Broeum, K., Rien, R., Srean, P., Tan, D. (2017). A survey of weed seed contamination of rice paddy in Cambodia. *Weed Research*, 57(5), 333-341. <a href="http://dx.doi.org/10.1111/wre.12265">[More Information]

Henson, Y., Martin, R., Quinnell, R., Van Ogtrop, F., Try, Y., Tan, D. (2017). Development of a Weed Identifier Mobile Application for Cambodian Rice Farmers. *18th Australian Agronomy Conference 2017*, Australia: Australian Society of Agronomy.

Broughton, K., Bange, M., Payton, P., Tan, D., Tissue, D. (2017). Elevated [CO<sub>2</sub>] and warmer temperatures differentially affect the growth and physiology of an older and modern cotton genotype. *18th Australian Agronomy Conference 2017*, Australia: Australian Society of Agronomy.

Ullah, N., Sarwar, M., Atwell, B., Bange, M., Tan, D. (2017). Endogenous ethylene concentration is not a major determinant of fruit abscission in heat-stressed cotton (*Gossypium hirsutum* L.). *Frontiers in Plant Science*, 8, 1-14. <a href="http://dx.doi.org/10.3389/fpls.2017.01615">[More Information]

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2017). Leaf nitrogen determination using non-destructive techniques-A review. *Journal of Plant Nutrition*, 40(7), 928-953. <a href="http://dx.doi.org/10.1080/01904167.2016.1143954">[More Information]

Khan, A., Tan, D., Afridi, M., Luo, H., Tung, S., Ajab, M., Fahad, S. (2017). Nitrogen fertility and abiotic stresses management in cotton crop: a review. *Environmental Science and Pollution Research*, 24(17), 14551-14566. <a href="http://dx.doi.org/10.1007/s11356-017-8920-x">[More Information]

Khan, A., Tan, D., Munsif, F., Afridi, M., Shah, F., Fan, W., Fahad, S., Zhou, R. (2017). Nitrogen nutrition in cotton and control strategies for greenhouse gas emissions: a review. *Environmental Science and Pollution Research*, 24(30), 23471-23487. <a href="http://dx.doi.org/10.1007/s11356-017-0131-y">[More Information]

Khan, A., Ullah, N., Wang, L., Tan, D., Yang, G., Munsif, F., Ali, S., Hafeez, A. (2017). Planting density and sowing date strongly influence growth and lint yield of cotton crops. *Field Crops Research*, 209, 129-135. <a href="http://dx.doi.org/10.1016/j.fcr.2017.04.019">[More Information]

Zhang, H., Khan, A., Tan, D., Luo, H. (2017). Rational Water and Nitrogen Management Improves Root Growth, Increases Yield and Maintains Water Use Efficiency of Cotton under Mulch Drip Irrigation. *Frontiers in Plant Science*, 8, 1-10. <a href="http://dx.doi.org/10.3389/fpls.2017.00912">[More Information]

Ullah, N., Tan, D., Bange, M., Atwell, B. (2017). Stress-induced fruit abscission in cotton and role of ethylene. *18th Australian Agronomy Conference 2017*, Australia: Australian Society of Agronomy.

Harber, A., Rogers, G., Tan, D. (2017). The effect of cover crops on physical, chemical and microbial properties of a sandy loam soil and baby leaf spinach yield. *18th Australian Agronomy Conference 2017*, Australia: Australian Society of Agronomy.

Broughton, K., Bange, M., Duursma, R., Payton, P., Smith, R., Tan, D., Tissue, D. (2017). The effect of elevated atmospheric [CO<sub>2</sub>] and increased temperatures on an older and modern cotton cultivar. *Functional Plant Biology*, 44(12), 1207-1218. <a href="http://dx.doi.org/10.1071/FP17165">[More Information]

Broughton, K., Smith, R., Duursma, R., Tan, D., Payton, P., Bange, M., Tissue, D. (2017). Warming alters the positive impact of elevated CO<sub>2</sub> concentration on cotton growth and physiology during soil water deficit. *Functional Plant Biology*, 44(2), 267-278. <a href="http://dx.doi.org/10.1071/FP16189">[More Information]

## 2016

Devasirvatham, V., Tan, D., Trethowan, R. (2016). Breeding Strategies for Enhanced Plant Tolerance to Heat Stress. In Jameel M. Al-Khayri, Shri Mohan Jain, Dennis V. Johnson (Eds.), *Advances in Plant Breeding Strategies: Agronomic, Abiotic and Biotic Stress Traits*, (pp. 447-469). Cham: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-22518-0\_12">[More Information]

Tan, D., Freeth, M., Bange, M. (2016). Can paclobutrazol improve vigour and cold tolerance of cotton seedlings under cool conditions? *World Cotton Research Conference 6*.

Ullah, N., Tan, D., Bange, M. (2016). Cotton growth and yield dynamics across canopy layers in response to soil waterlogging. *Australian Journal of Crop Science*, 10(8), 1170-1181. <a href="http://dx.doi.org/10.21475/ajcs.2016.10.08.p7855">[More Information]

Tan, D., Koppi, A., Field, D. (2016). First Year Agricultural Science Student Perspectives in Graduate Attribute Development Through Problem-Based Learning. *International Journal of Innovation in Science and Mathematics Education*, 24(1), 54-66.

Najeeb, U., Tan, D., Bange, M. (2016). Inducing waterlogging tolerance in cotton via an anti-ethylene agent aminoethoxyvinylglycine application. *Archives of Agronomy and Soil Science*, 62(8), 1136-1146. <a href="http://dx.doi.org/10.1080/03650340.2015.1113403">[More Information]

Najeeb, U., Bange, M., Atwell, B., Tan, D. (2016). Low incident light combined with partial waterlogging impairs photosynthesis and imposes a yield penalty in cotton. *Journal of Agronomy and Crop Science*, 202(4), 331-341. <a href="http://dx.doi.org/10.1111/jac.12164">[More Information]

## 2015

Najeeb, U., Atwell, B., Bange, M., Tan, D. (2015). Aminoethoxyvinylglycine (AVG) ameliorates waterlogging-induced damage in cotton by inhibiting ethylene synthesis and sustaining photosynthetic capacity. *Plant Growth Regulation*, 76(1), 83-98. <a href="http://dx.doi.org/10.1007/s10725-015-0037-y">[More Information]

Devasirvatham, V., Tan, D., Gaur, P., Trethowan, R. (2015). Chickpea and temperature stress: An overview. In Mohamed Mahgoub Azooz, Parvaiz Ahmad (Eds.), *Legumes under Environmental Stress: Yield, Improvement and Adaptations*, (pp. 81-90). Chichester, West Sussex, UK: John Wiley & Sons.

<a href="http://dx.doi.org/10.1002/9781118917091.ch5">[More Information]</a>

Najeeb, U., Bange, M., Tan, D., Atwell, B. (2015). Consequences of waterlogging in cotton and opportunities for mitigation of yield losses. *AoB Plants*, 7, 1-17. <a href="http://dx.doi.org/10.1093/aobpla/plv080">[More Information]</a>

Quigley, R., Tan, D., Brodrick, R. (2015). Effect of 1 m and 1.5 m row spacing on yield and fibre quality of upland cotton (*Gossypium hirsutum*) in Warren, NSW, Australia. *17th Australian Agronomy Conference*, Warragul, Victoria: Australian Society of Agronomy Inc.

Innes, P., Tan, D., Van Ogtrop, F., Amthor, J. (2015). Effects of high-temperature episodes on wheat yields in New South Wales, Australia. *Agricultural and Forest Meteorology*, 208, 95-107. <a href="http://dx.doi.org/10.1016/j.agrformet.2015.03.018">[More Information]</a>

Browne, K., Tan, D., Martin, R., Try, Y., Rathmell, W., Sharp, P. (2015). Evaluation of commercial rice hybrids under local conditions in Battambang, Cambodia. *17th Australian Agronomy Conference*, Warragul, Victoria: Australian Society of Agronomy Inc.

Devasirvatham, V., Gaur, P., Raju, T., Trethowan, R., Tan, D. (2015). Field response of chickpea (*Cicer arietinum* L.) to high temperature. *Field Crops Research*, 172, 59-71. <a href="http://dx.doi.org/10.1016/j.fcr.2014.11.017">[More Information]</a>

Hulugalle, N., Broughton, K., Tan, D. (2015). Fine root production and mortality in irrigated cotton, maize and sorghum sown in vertisols of northern New South Wales, Australia. *Soil and Tillage Research*, 146, 313-322. <a href="http://dx.doi.org/10.1016/j.still.2014.10.004">[More Information]</a>

Agar, O., Tan, D., Barton, D., Trethowan, R. (2015). Genetic variation in wheat pollen heat tolerance. *17th Australian Agronomy Conference*, Warragul, Victoria: Australian Society of Agronomy Inc.

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2015). Image-Based (RBG) Technique for Estimating Phosphorus Levels of Crops. *World Academy of Science, Engineering and Technology. Proceedings*, 9(10), 1085-1088.

JÃºnior, W., Filho, B., Lobato, A., Tan, D., Neto, C., da Costa Pereira, A., Moraes da Cunha, R., da Costa, R., Kikuchi, T., Okumura, R. (2015). Negative interference on growth and morpho-anatomical modifications in young *Parkia gigantocarpa* plants under waterlogging. *Australian Journal of Crop Science*, 9(6), 523-531.

Hulugalle, N., Broughton, K., Tan, D. (2015). Root growth of irrigated summer crops in cotton-based farming systems sown in Vertosols of northern New South Wales. *Crop and Pasture Science*, 66(2), 158-167. <a href="http://dx.doi.org/10.1071/CP14184">[More Information]</a>

Readford, E., Tan, D., Raju, T., Trethowan, R. (2015). The effect of crop rotations on the incidence of crown rot in wheat. *17th Australian Agronomy Conference*, Warragul, Victoria: Australian Society of Agronomy Inc.

Conaty, W., Mahan, J., Neilsen, J., Tan, D., Yeates, S., Sutton, B. (2015). The relationship between cotton canopy temperature and yield, fibre quality and water-use efficiency. *Field Crops Research*, 183, 329-341. <a href="http://dx.doi.org/10.1016/j.fcr.2015.08.010">[More

Information]</a>

Broughton, K., Payton, P., Baker, J., Yates, C., Tan, D., Tissue, D., Bange, M. (2015). Using field-based Canopy EvapoTranspiration and Assimilation (CETA) chambers to assess the impact of climate change on early cotton growth. *17th Australian Agronomy Conference*, Warragul, Victoria: Australian Society of Agronomy Inc.

## 2014

Suenaga, H., Tan, D., Brock, P. (2014). Life-Cycle Assessment of rice production systems: Comparison of Lao PDR, Japan and Australia. *3rd New Zealand Life Cycle Assessment Conference*, Wellington: Life Cycle Association of New Zealand and New Zealand Life Cycle Management Centre.

Hulugalle, N., Broughton, K., Tan, D. (2014). Root growth of irrigated summer crops in grey cracking clays. *The Australian Cottongrower*, 35(7), 46-49.

Tan, D., Koppi, A., Field, D. (2014). The Student Perspective in Developing Graduate Attributes Through Problem-Based Learning in First Year Agriculture Science. *20th Annual UniServe Science Conference: Australian Conference on Science and Mathematics Education (ACSME) 2014*, Sydney: UniServe Science, University of Sydney.

Cottee, N., Wilson, I., Tan, D., Bange, M. (2014). Understanding the molecular events underpinning cultivar differences in the physiological performance and heat tolerance of cotton (*Gossypium hirsutum*). *Functional Plant Biology*, 41(1), 56-67. <a href="http://dx.doi.org/10.1071/FP13140">[More Information]</a>

## 2013

Najeeb, U., Tan, D., Bange, M. (2013). Aminoethoxyvinylglycine (AVG)-induced improved growth and fruit retention mitigate yield losses in waterlogged cotton. *AACS 2013 Australian Cotton Research Conference*, Narrabri: The Association of Australian Cotton Scientists.

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2013). An Algorithm Based on the RGB Colour Model to Estimate Plant Chlorophyll and Nitrogen Contents. *2013 International Conference on Sustainable Environment and Agriculture*, Singapore: International Association of Computer Science and Information Technology Press (IACSIT Press).

Tan, D., Amthor, J. (2013). Bioenergy. In Zvy Dubinsky (Eds.), *Photosynthesis*, (pp. 299-330). Rijeka, Croatia: InTech Publishers. <a href="http://dx.doi.org/10.5772/55317">[More Information]</a>

Barbosa, M., Lobato, A., Tan, D., Viana, G., Coelho, K., Barbosa, J., Moraes, M., Costa, R., Filho, B., Neto, C. (2013). Bradyrhizobium improves nitrogen assimilation, osmotic adjustment and growth in contrasting cowpea cultivars under drought. *Australian Journal of Crop Science*, 7(13), 1983-1989.

Avila, F., Faquin, V., Lobato, A., Avila, P., Marques, D., Guedes, E., Tan, D. (2013). Effect of phosphite supply in nutrient solution on yield, phosphorus nutrition and enzymatic behavior in common bean (*Phaseolus vulgaris* L.) plants. *Australian Journal of Crop Science*, 7(5), 713-722.

Broughton, K., Smith, R., Tan, D., Duursma, R., Payton, P., Bange, M., Tissue, D. (2013). Interactive effects of elevated [CO<sub>2</sub>], warming and water deficit on cotton physiology and growth. *AACS 2013 Australian Cotton Research Conference*, Narrabri: The Association of Australian Cotton Scientists.

Tan, D., Brock, P., Hulugalle, N., Quigley, G. (2013). Life cycle assessment of cotton-corn farming systems in the Namoi

Valley, Australia. *8th Life Cycle Conference - Pathways to Greening Global Markets*, Sydney, Australia: ALCAS.

Pereira, T., Lobato, A., Tan, D., da Costa, D., Uchã'a, E., Ferreira, R., Pereira, E., Avila, F., Marques, D., Guedes, E. (2013). Positive interference of silicon on water relations, nitrogen metabolism, and osmotic adjustment in two pepper (*Capsicum annuum*) cultivars under water deficit. *Australian Journal of Crop Science*, 7(8), 1064-1071.

Ullah, N., Tan, D., Amthor, J., Bange, M. (2013). Pre-waterlogging application of aminoethoxyvinylglycine (AVG) improves fruit retention of waterlogged cotton. *International Conference on Sustainable Water Use for Securing Food Production in the Mediterranean Region Under Changing Climate*, Agadir, Morocco: SWUP-MED.

Devasirvatham, V., Gaur, P., Mallikarjuna, N., Raju, T., Trethowan, R., Tan, D. (2013). Reproductive biology of chickpea response to heat stress in the field is associated with the performance in controlled environments. *Field Crops Research*, 142, 9-19. <a href="http://dx.doi.org/10.1016/j.fcr.2012.11.011">[More Information]</a>

Coleman, C., Hulugalle, N., Tan, D. (2013). Root growth of cotton under monoculture and in cotton and corn rotations. *AACS 2013 Australian Cotton Research Conference*, Narrabri: The Association of Australian Cotton Scientists.

Tan, D. (2013). What are biofuels? In Andrew Jaspan (Eds.), *The Explainer: From Deja Vu to Why the Sky is Blue, and Other Conundrums*, (pp. 77-79). Collingwood: CSIRO Publishing.

Kilby, C., Tan, D., Duggan, B. (2013). Yield components of high-yielding Australian cotton cultivars. *Cotton Research Journal*, 5(2), 117-130.

## 2012

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2012). A New Image Processing Based Technique to Determine Chlorophyll in Plants. *American-Eurasian Journal of Agricultural and Environmental Sciences*, 12(10), 1323-1328. <a href="http://dx.doi.org/10.5829/idosi.ajeaes.2012.12.10.1917">[More Information]</a>

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2012). A New Image-Processing-Based Technique for Measuring Leaf Dimensions. *American-Eurasian Journal of Agricultural and Environmental Sciences*, 12(12), 1588-1594.

Devasirvatham, V., Trethowan, R., Gaur, P., Raju, T., Tan, D. (2012). Breeding targets to improve heat tolerance in chickpea. *19th EUCARPIA General Congress*, Budapest, Hungary: Plant Breeding for Future Generations.

Tan, D., Hulugalle, N. (2012). Carbon contributions from roots in cotton based rotations. *European Geosciences Union General Assembly 2012*, Vienna, Austria: European Geosciences Union.

Cottee, N., Bange, M., Wilson, I., Tan, D. (2012). Developing controlled environment screening for high-temperature tolerance in cotton that accurately reflects performance in the field. *Functional Plant Biology*, 39(8), 670-678. <a href="http://dx.doi.org/10.1071/FP12094">[More Information]</a>

Tan, D. (2012). Developing heat tolerance in crop plants in the face of global warming. *World Sustainable Agriculture Congress*, Singapore: IMAPAC.

Devasirvatham, V., Gaur, P., Mallikarjuna, N., Raju, T., Trethowan, R., Tan, D. (2012). Effect of high temperature on the reproductive development of chickpea genotypes under

controlled environments. *Functional Plant Biology*, 39(12), 1009-1018. <a href="http://dx.doi.org/10.1071/FP12033">[More Information]</a>

Devasirvatham, V., Tan, D., Gaur, P., Raju, T., Trethowan, R. (2012). Effects of high temperature at different developmental stages on the yield of chickpea. *16th Australian Agronomy Conference 2012*, Armidale, NSW: The Regional Institute Ltd.

Devasirvatham, V., Tan, D., Gaur, P., Raju, T., Trethowan, R. (2012). High temperature tolerance in chickpea and its implications for plant improvement. *Crop and Pasture Science*, 63(5), 419-422. <a href="http://dx.doi.org/10.1071/CP11218">[More Information]</a>

Tan, D., Quigley, G., Herridge, D., Hulugalle, N., Schwenke, G., Brock, P., Madden, P. (2012). Identifying opportunities to reduce greenhouse gas emissions from agricultural production: a Life Cycle Assessment approach. *Joint Australian and New Zealand Soil Science Conference*, Hobart, Tasmania: Soil Science Australia and New Zealand Society for Soil Science.

Ali, M., Al-Ani, A., Eamus, D., Tan, D. (2012). Leaf Nitrogen Determination using Handheld Meters. *16th Australian Agronomy Conference 2012*, Armidale, NSW: The Regional Institute Ltd.

Tan, D., Odeh, I., Ancev, T. (2012). Potential biodiesel crops for marginal land in Australia. *16th Australian Agronomy Conference 2012*, Armidale, NSW: The Regional Institute Ltd.

Tan, D., Broughton, K., Knox, O., Hulugalle, N. (2012). Soil microbial biomass and root growth in Bt and non-Bt cotton. *European Geosciences Union General Assembly 2012*, Vienna, Austria: European Geosciences Union.

Tan, D. (2012). Tequila Sunrise. *Australasian Science*, Jan/Feb 2012, 31-33.

Alves, G., Filho, B., Lobato, A., Tan, D., Neto, C., da Costa, R., Avila, F., Marques, D., Galate, R. (2012). Water relations, nitrogen compounds and enzyme activities in leaf and root of young Yellow Lapacho (*Tabebuia serratifolia*) plants subjected to flooding. *Plant Omics*, 5(3), 216-222.

Kilby, C., Tan, D., Duggan, B., Constable, G. (2012). Yield components of high-yielding Australian cotton cultivars. *16th Australian Agronomy Conference 2012*, Armidale, NSW: The Regional Institute Ltd.

## 2011

Conaty, W., Neilsen, J., Mahan, J., Sutton, B., Tan, D. (2011). A Thermal Optimum Approach to Irrigation Scheduling in Australian Drip Irrigated Cotton. *World Cotton Research Conference 5*, New Delhi, India: Excel India Publishers.

Holtum, J., Chambers, D., Morgan, T., Tan, D. (2011). Agave as a biofuel feedstock in Australia. *GCB Bioenergy*, 3, 58-67. <a href="http://dx.doi.org/10.1111/j.1757-1707.2010.01083.x">[More Information]</a>

Tan, D., Ormiston, S., Bange, M., Amthor, J. (2011). Effect of cool conditions on cotton seedlings. *World Cotton Research Conference 5*, New Delhi, India: Excel India Publishers.

Broughton, K., Tan, D., Tissue, D., Bange, M., Amthor, J. (2011). Industrial-age changes in climate affect cotton physiology and productivity. *World Cotton Research Conference 5*, New Delhi, India: Excel India Publishers.

Yan, X., Tan, D., Inderwildi, O., Smith, J., King, D. (2011). Life cycle energy and greenhouse gas analysis for agave-derived bioethanol. *Energy and Environmental Science*, 4, 3110-3121. <a href="http://dx.doi.org/10.1039/c1ee01107c">[More

Information]

Cottee, N., Bange, M., Tan, D., Cothren, J. (2011). Multi-Level Determination for Heat Tolerance of Cotton Cultivars. *World Cotton Research Conference 5*, New Delhi, India: Excel India Publishers.

Odeh, I., Tan, D., Ancev, T. (2011). Potential Suitability and Viability of Selected Biodiesel Crops in Australian Marginal Agricultural Lands Under Current and Future Climates.

*BioEnergy Research*, 4(3), 165-179. <a href="http://dx.doi.org/10.1007/s12155-010-9110-6">[More Information]

## 2010

Tuck, C., Tan, D., Bange, M., Stiller, W. (2010). Cold tolerance screening for cotton cultivars using germination chill protocols. *15th Australian Agronomy Conference: Food Security from Sustainable Agriculture 2010*, Australia: The Regional Institute Ltd.

Stefanski, E., Garcia, S., Farina, S., Tan, D., Tanner, D. (2010). Effects of sowing rate and grazing management of forage rape (*Brassica napus*) on grazing behaviour and utilisation by dairy cattle. *Animal Production Science*, 50(6), 560-567. <a href="http://dx.doi.org/10.1071/AN09206">[More Information]

Devasirvatham, V., Tan, D., Trethowan, R., Gaur, P., Mallikarjuna, N. (2010). Impact of high temperature on the reproductive stage of chickpea. *15th Australian Agronomy Conference: Food Security from Sustainable Agriculture 2010*, Australia: The Regional Institute Ltd.

Cottee, N., Tan, D., Bange, M., Cothren, J., Campbell, L. (2010). Multi-Level Determination of Heat Tolerance in Cotton (*Gossypium hirsutum* L.) under Field Conditions. *Crop Science*, 50, 2553-2564. <a href="http://dx.doi.org/10.2135/cropsci2010.03.0182">[More Information]

Hulugalle, N., Weaver, T., Finlay, L., Broughton, K., Tan, D. (2010). Potential contribution by corn and Bollgard II cotton roots to soil carbon stocks in a furrow-irrigated Vertisol. *19th World Congress of Soil Science Soil solutions for a changing world*, Brisbane: International Union of Soil Sciences (IUSS).

## 2009

Errington, M., Campbell, L., Rochester, I., Tan, D. (2009). Nitrogen Allocation in High Yielding Bollgard II Cotton. *16th International Plant Nutrition Colloquium (IPNC)*, USA: University of California, Davis.

Hulugalle, N., Weaver, T., Finlay, L., Luelf, N., Tan, D. (2009). Potential contribution by cotton roots to soil carbon stocks in irrigated Vertosols. *Australian Journal of Soil Research*, 47(3), 243-252. <a href="http://dx.doi.org/10.1071/SR08180">[More Information]

Lobato, A., Luz, L., Costa, R., Tan, D., Bonato, C., Silva, M., Oliveira Neto, C., Silva, L. (2009). Relationship between chlorophyll a and total soluble carbohydrates in pepper submitted to water deficiency. *Journal of Animal and Plant Sciences*, 5(2), 515-526.

## 2008

Conaty, W., Tan, D., Constable, G., Sutton, B., Field, D., Mamun, M. (2008). Agronomy & Soils Genetic Variation for Waterlogging Tolerance in Cotton. *Journal of Cotton Science*, 12, 53-61.

Tuck, C., Bange, M., Tan, D., Stiller, W. (2008). Assessing cultivar cold tolerance using germination chill protocols -

preliminary studies. *14th Australian Cotton Conference*, Queensland, Australia: Australian Cotton Growers Research Association.

Terry, J., Tan, D., Hulugalle, N., Field, D., Weaver, T., Knox, O. (2008). Cotton yield and soil carbon under continuous cotton, cotton-corn, cotton-vetch-corn and cotton-wheat rotations. *14th Australian Society of Agronomy Conference*, Gosford, Australia: The Regional Institute Ltd.

Errington, M., Campbell, L., Rochester, I., Tan, D. (2008). Efficacy of foliar fertilization in cotton. *World Cotton Research Conference-4*, Lubbock, Texas, U.S.A.: OmniPress.

Cottee, N., Bange, M., Tan, D., Campbell, L. (2008). Identifying Cotton Cultivars for Hotter Temperatures. *14th Australian Cotton Conference*, Queensland, Australia: Australian Cotton Growers Research Association.

Holden, J., Devereux, A., Hulugalle, N., Fukai, S., Terry, J., Tan, D. (2008). Irrigated maize in cotton systems. *14th Australian Cotton Conference*, Queensland, Australia: Australian Cotton Growers Research Association.

Simons (Karakira), S., Tan, D., Belfield, S., Martin, B. (2008). Plant populations to improve yield of dryland maize in northwest NSW. *14th Australian Society of Agronomy Conference*, Gosford, Australia: The Regional Institute Ltd.

Cottee, N., Tan, D., Cothren, T., Bange, M., Campbell, L. (2008). Screening Cotton Cultivars for Thermotolerance under Field Conditions. *World Cotton Research Conference-4*, Lubbock, Texas, U.S.A.: OmniPress.

Cottee, N., Tan, D., Bange, M., Cheetham, J. (2008). Simple electrolyte leakage protocols to detect cold tolerance in cotton genotypes. *World Cotton Research Conference-4*, Lubbock, Texas, U.S.A.: OmniPress.

## 2007

Tan, D., Daley, A., Wu, H. (2007). Allelopathic potential of lippia (*Phyla canescens*) on germinating seeds. *Allelopathy Journal*, 19(1), 257-265.

McDowell, A., Bange, M., Tan, D. (2007). Cold temperature exposure at 10 degrees C for 10 and 20 nights does not reduce tissue viability in vegetative and early flowering cotton plants. *Australian Journal of Experimental Agriculture ('09 renamed: Animal Production Science)*, 47(2), 198-207. <a href="http://dx.doi.org/10.1071/EA05371">[More Information]

Odeh, I., Tan, D. (2007). Expanding Biofuel Production in Australia: Opportunities Beyond the Horizon. *Farm Policy Journal*, 4(2), 29-39.

Wu, H., Walker, S., Rollin, M., Tan, D., Robinson, G., Werth, J. (2007). Germination, persistence, and emergence of flaxleaf fleabane (*Conyza bonariensis* [L.] Cronquist). *Weed Biology and Management*, 7(3), 192-199. <a href="http://dx.doi.org/10.1111/j.1445-6664.2007.00256.x">[More Information]

## 2006

Tan, D., Wood, A., Mamun, M., Sutton, B., Castor, P. (2006). Changes in sorghum yield components after chilling. *13th Australian Society of Agronomy Conference 2006: 10-14 September 2006, Perth, Western Australia*, Gosford, Australia: The Regional Institute Ltd.

Luelf, N., Tan, D., Hulugalle, N., Knox, O., Weaver, T., Field, D. (2006). Root turnover and microbial biomass in cotton farming systems. *13th Australian Society of Agronomy Conference (13th ASA)*, Australia: The Regional Institute Ltd.

Wood, A., Tan, D., Mamun, M., Sutton, B. (2006). Sorghum can Compensate for Chilling-Induced Grain Loss. *Journal of Agronomy and Crop Science*, 192(6), 445-451. <a href="http://dx.doi.org/10.1111/j.1439-037X.2006.00233.x">[More Information]</a>

## 2005

Collier, M., Jobbins, S., Taylor, R., Cattle, S., Sheehy, P., Van Ekris-Schouten, I., Bartimote-Aufflick, K., Tan, D. (2005). Curriculum alignment and innovation in a new degree: Bachelor of Animal and Veterinary Biosciences. *CST T&L Showcase 2005*, Australia: College of Sciences and Technology, Sydney University.

Daley, A., Tan, D., Wu, H. (2005). Phytotoxic effects of lippia (*Phyla canescens*) on germinating seeds. *Fourth World Congress on Allelopathy*, Gosford, NSW: The Regional Institute Limited. <a href="http://dx.doi.org/10.1109/ICC.2010.5502343">[More Information]</a>

## 2004

Tan, D., Birch, C., Wearing, A., Rickert, K. (2004). Modelling Broccoli Development, Yield And Quality. *4th International Crop Science Congress*, Burwood Vic: The Regional Institute Ltd.

## 2000

Tan, D., Birch, C., Wearing, A., Rickert, K. (2000). Predicting broccoli development - II. Comparison and validation of thermal time models. *Scientia Horticulturae*, 86, 89-101. <a href="http://dx.doi.org/10.1016/S0304-4238(00)00203-X">[More Information]</a>

Tan, D., Birch, C., Wearing, A., Rickert, K. (2000). Predicting broccoli development I. Development is predominantly determined by temperature rather than photoperiod. *Scientia Horticulturae*, 84(3-4), 227-243. <a href="http://dx.doi.org/10.1016/S0304-4238(99)00139-9">[More Information]</a>

## 1999

Tan, D., Wearing, A., Rickert, K., Birch, C. (1999). Broccoli yield and quality can be determined by cultivar and temperature but not photoperiod in south-east Queensland. *Australian Journal of Experimental Agriculture ('09 renamed: Animal Production Science)*, 39, 901-909. <a href="http://dx.doi.org/10.1071/EA99053">[More Information]</a>

Tan, D., Wearing, A., Rickert, K., Birch, C., Joyce, D. (1999). Freeze-induced reduction of broccoli yield and quality. *Australian Journal of Experimental Agriculture ('09 renamed: Animal Production Science)*, 39(6), 771-780. <a href="http://dx.doi.org/10.1071/EA99037">[More Information]</a>

## 1998

Tan, D., Wearing, A., Rickert, K., Birch, C. (1998). Detection of floral initiation in broccoli (*Brassica oleracea* L. var. *italica* Plenck) based on electron micrograph standards of shoot apices. *Australian Journal of Experimental Agriculture ('09 renamed: Animal Production Science)*, 38, 313-318. <a href="http://dx.doi.org/10.1071/EA97035">[More Information]</a>