

Professor - Ching-Ping Liu

Publication List:

(A) Journal Papers

1. Liu, C. P. and C. Chen, 1980, The correlation and path analysis of agronomic characters in triticale and wheat, *Agr. Assoc. of China* 111: 24-37 °
2. Liu, C. P. and C. Chen, 1981, Experiment of year-round culture of selected triticale lines, *Sci. Agr.* 29(7-8): 253-258 °
3. Liu, C. P. and C. Chen, 1982, Brief in triticale, *Sci. Agr.* 30(3-4): 235-238 °
4. Liu, C. P. and C. Chen, 1982, Studies on the meiotic stability and agronomic characters of 5D, 5R chromosomal isogenic lines in secondary triticale, *Bot. Academia Sinica*, 23: 145-162 °
5. Liu, C. P. and C. Chen, 1983, The transmission rate of 5D and 5R chromosomes in the crosses of closely and distantly related tricale strains as influenced by different temperatures, *Agr. Assoc. of China* 124: 74-88 °
6. Chen, C., K. K. Hwu, C. P. Liu and M. S. Lin, 1983, Selection criteria for yield improvement in rapeseed, *Agr. Assoc. of China* 124: 63-73 °
7. Liu, C. P. and C. Chu, 1983, Dormancy breaking by hormones and other chemicals-action at the molecular level, *Sci. Agr.* 31(1-2): 29-43 °
8. Liu, C. P. 1984, Studies on genetics and breeding in secondary tricale (Abstract of Ph. D. dissertation), *Memoirs of Col. Agr. Nat. Taiwan Uni.* 24(1): 91-97 °
9. Liu, C. P. and C. Chen, 1986, Competition in triticale:
I. Intergeneric competition between triticale and wheat in field condition, *Memoirs of Col. Agr. Nat. Taiwan Uni.* 26(1): 19-29 °
10. Liu, C. P. and C. Chen, 1986, Competition in triticale:
II. Intergeneric competition in various mixed-planting ratios of triticale and wheat in phytotron, *Memoirs of Col. Agr. Nat. Taiwan Uni.* 26(1): 31-41 °
11. Chang, P. S. and C. P. Liu, 1986, Study on the optimum pollinative method of corn: I. The optimum pollinative method of hybrid corn, *J. Chiayi Ins. Agr.* 14: 21-29 °
12. Liu, C. P. and C. Chen, 1987, Competition in triticale: III.
Inter-genotypic competition of 5D, 5R chromosomal isogenic lines of triticale in various planting densities and culture conditions in phytotron, *J. Chiayi Ins. Agr.* 15: 179-194 °

13. Chang, P. S. and C. P. Liu, 1987, Study on the optimum pollinative method of corn: II. The optimum pollinative method of inbred lines of corn, J. Chiayi Ins. Agr. 15: 195-203 °
14. Liu, C. P. and C. Chen, 1987, Substitutive effect of 5D, 5R chromosome in triticale: I. Cytogenetic identification on 5D, 5R chromosomal isogenic lines of triticale, J. Chiayi Ins. Agr. 16: 1-17 °
15. Chen, C., C. P. Liu and S. F. Lin, 1987, Studies on chromosomal translocation effects in maize (*Zea mays* L.) II. Influence on transmission rate by chromosomal translocation effects, Memoirs of Col. Agri. Nat. Taiwan Uni. 27(2): 1-8 °
16. Liu, C. P. 1988, Substitutive effect of 5D, 5R chromosome in triticale: II. Effect of 5D, 5R chromosome in agronomic characters and grain composition of triticale, J. Chiayi Ins. Agr. 17: 1-12 °
17. Lee, C. H. and C. P. Liu, 1988, The effect of nitrogen dosage, method of application and position of spikelet on kernel quality in six-rowed barley, J. Chiayi Ins. Agr. 17: 31-41 °
18. Chang, P. S. and C. P. Liu, 1988, The effects of seed size on germination rate and agronomic characters in peanut, J. Chiayi Ins. Agr. 17: 43-50 °
19. C. P. Liu, 1989, Diallel analysis of rust-resistance in peanut, J. Chiayi Ins. Agr. 21: 1-21 °
20. Liu, C. P. and C. D. Liu, 1989, Inheritance of peanut resistance to rust disease, Ann. Rep. Dryland Food Crops Imp. Pp. 31-47 °
21. Liu, C. D. and C. P. Liu, 1991, Effects of different harvesting time on agronomic characters of peanut, J. Chiayi Ins. Agr. 26: 89-106 °
22. Chiou, R. Y. Y., C. D. Liu, C. P. Liu, S. Ferng and R. T. Tsai, 1992, Characterization of peanut kernels as affected by harvest date and drying practices. J. Agric. Food Chem. 40:1536-1540.
23. Liu, C. P., C. J. Hou and P. S. Chang, 1992, Study on generation acceleration of peanut: I. The influence of photoperiod, J. Chiayi Ins. Agr. 31:43-58 °
24. Liu, C. P., C. J. Hou and P. S. Chang, 1993, Study on generation acceleration of peanut: II. Promotion in germination rate of immature seeds, J. Chiayi Ins. Agr. 32:37-46 °
25. Liu, C. P., C. J. Hou and P. S. Chang, 1994, Investigation on the minimum planting density of peanut suitable for single seed descent, J. Chiayi Ins. Agr. 38:13-24 °
26. Hou, C. J., C. P. Liu and C. D. Liu, 1994, Study on the flooding

- tolerance of peanut: I. The influence of different flooding time and soil texture on seed germination of peanut, *J. Chiayi Ins. Agr.* 38:25-42 °
27. Hou, C. J., C. P. Liu and C. D. Liu, 1994, Study on the flooding tolerance of peanut: II. The influence of different culture media on flooding tolerance of peanut during seed germination, *J. Chiayi Ins. Agr.* 39:11-23 °
28. Chang, P. S., Y. H. Wen and C. P. Liu, 1995, Studies on the non-tillage cultivation of peanut: I. Effects of tillage types on peanut growth, *J. Chiayi Ins. Agr.* 40:11-23 °
29. Chiou, R. Y.-Y. C. P. Liu, C. J. Hou, C. D. Liu, 1995, Comparison of fatty acid composition and oxidative stability of peanut oils prepared from spring and fall crops of peanuts. *J. Agric. Food Chem.* 43:676-679.
30. Hou, C. J., C. T. Chen, C. P. Liu and M. T. Lee, 1997, Influences of different salt concentration in irrigating water on soybean's growth and yield: I. Responses of agronomic characters and yield components of soybean to the different irrigating frequency and salt concentration treatments under percolation and non-percolation conditions, *J. Chiayi Ins. Agr.* 51:1-21 °
31. Hou, C. J. and C. P. Liu, 1997, Influences of different sowing seed numbers on agronomic characters and yield in peanut, *J. Chiayi Ins. Agr.* 52:1-14 °
32. Liu, C. P., C. J. Hou, P. S. Chang and Y. Y. Wen, 1997, Study on generation acceleration of peanut: III. The effect of fertilizer dosages on blooming, *Chiayi Academia* 53:109-120 °
33. Hou, C. J. and C. P. Liu, 1997, Effects of CCC (2-chloroethyl-trimethyl-ammonium chloride) and phosphate potassium fertilizer on agronomic characters and yield of peanut, *J. Chiayi Ins. Tec.* 54:1-16 °
34. Chen, C. T., G. Y. Chen, Y. H. Wen and C. P. Liu, 1998, A study on effects of saving water requirement irrigation on paddy rice growth and yield during drought period, *J. Chiayi Ins. Tec.* 56:39-50 °
35. Hou, C. J. and C. P. Liu, 1999, Effects of weeding and soil banking on agronomic characters and yield of peanut, *J. Chiayi Ins. Tec.* 65:1-16 °
36. Hou, C. J., C. P. Liu and W. H. J. Kuo, 2000, Effect of shelling treatment on the longevity of peanut seeds, *Chinese Agron. J.* 10 : 83-94 °

37. Hou, C. J., C. P. Liu and W. H. J. Kuo, 2000, Studies on the storage behaviour of peanut seeds, Chinese Agron. J. 10 : 95-113 °
38. Hou, C. J., C. P. Liu and W. H. J. Kuo, 2000, Studies on the electrical conductivity test for the seeds viability of peanut, Chinese Agron. J. 10 : 131-142 °
39. Hou, C. J. and C. P. Liu, 2000, The effect of different grades of seeds on agronomy characteristics and yield components of peanut, Chinese Agron. J. 10 : 143-154 °
40. Hou, C. J. and C. P. Liu, 2001, Effects of drying treatments on the water content and germination characters of peanut seeds, Chinese Agron. J. 11 : 31-39 °
41. Hou, C. J., C. P. Liu and W. H. J. Kuo, 2001, Studies on the cold test for peanut seed viability, Chinese Agron. J. 11 : 83-95 °
42. Hou, C. J. and C. P. Liu, 2003, A study of the most suitable seed water content for machine sowing in peanut, Chinese Agron. J. 13 : 199-212 °
43. Hou, C. J. and C. P. Liu, 2003, Study of suitable seed size for machine sowing in peanut, Chinese Agron. J. 13 : 213-224 °
44. Hsu, Y. C., Z. H. Wu and C. P. Liu, 2003, Variation of agronomic characters of peanut (*Arachis hypogaea* L.) germplasm, Chinese Agron. J. 13:225-239 °
45. Chuang, H. T., T. M. Shen, Y. F. Yen, C. P. Liu and S. H. Cheng, 2004, Phylogenetic analysis of five *Phalaenopsis* species native to Taiwan or the Philippines by using RAPD and ISSR molecular markers, J. Chinese Soc. Hort. Sci. 50(2):175-186
46. Chen, Y. M., H. C. Wu, T. B. Huang, C. P. Liu and T. M. Shen, 2005, Effects of all night lighting on the growth of rice (*Oryza sativa*), water caltrops (*Trapa natans*) and Indian jujube (*Zizyphus mauritana*), Crop, Environment and Bioinformatics 2(3):182-192
47. Hsu, C. T., S. P. Shaug and C. P. Liu, 2005, Evaluation of cutting stages for forage yield and quality of four Nilegrass germplasm (*Acroceras macrum*) under different seasons, J. Agric. For. 2(2): 17-33
48. Hsu, Y. C., Z. H. Wu and C. P. Liu, 2005, Studies on using molecular markers as assistant selection criteria of peanut, J. Agric. For. 2(2): 96-116
49. Chang, M., J. C. Lo and C. P. Liu, 2005, Effects of different light intensities and sources at night on heading and agronomic characteristics of rice, J. Agric. For. 3(1): 86-98

50. Chang, M., J. C. Lo and C. P. Liu, 2006, Effects of daylength on rice heading date and agronomic characters, *Crop, Environment and Bioinformatics* 3(2):147-158
51. Wu, C. H., Y. C. Hsu and C. P. Liu, 2006, Studies on the genetic diversity and phylogenetic relationships in peanut (*Arachis hypogaea* L.,) cultivars by using RAPD and ISSR, *J. Agric. For.* 3(2): 51-69
52. Lin, Y. L., C. P. Liu and Y. H. Cheng, 2006, Effects of arbuscular mycorrhizal fungi and root-knot nematode (*Meloidogyne incognita*) on the growth of sponge gourd, *J. Agric. For.* 4(1): 53-66
53. Yang, L. L. J. B. Lin and C. P. Liu, 2007, Effects of waterlogging on germination and emergence of alfalfa (*Medicago sativa* L.) seeds, *J. Agri. Assoc. China* 8(3): 265-274
54. Wu, G. H., K. L. Ku, C. F. Chiou and C. P. Liu, 2007, Effects of different plucking crops on shoot characters and individual catechins, and the correlations among shoot characters and individual catechins in large-leaf-type teas, *Crop, Environment and Bioinformatics* 4:161-172
55. Shih, Y. F., K. L. Ku, C. F. Chiou and C. P. Liu, 2007, Studys on variations of catechins contents of black tea and paochung tea, *J. Agric. For.* 4(2): 18-31
56. Lin, J. B., L. L. Yang and C. P. Liu, 2007, Effects of waterlogging on forage yield, quality and root histology of alfalfa (*Medicago sativa* L.), *Taiwan Livestock Res.* 40(3):193-202
57. Lin, Y. H., K. L. Ku, C. F. Chiou and C. P. Liu, 2008, Influences of different varieties, plucking crops and leaf positions on the polyphenolic content of large-leaf-type tea, *J. Agric. For.* 5(1): 15-31

Associate Professor - Chin-Jin Hou

Publication List :

1. Lee Ruey-Shing, Chin-Jin Hou and Ching-Shui Lee. 1992. Effect of type of seed on yield component seed grade and chemical compositions of peanut. *Agroculture Education Bulletin.* 39:91-105.
2. Liu Ching-ping, Chin-Jin Hou and Ping-Shun Chang. 1992. Study on Generation Acceleration of Peanut : I .The Influence of photoperid . *J. Chiayi Ins. Agr.* 31 : 43-58.

3. Liu Ching-Ping, Chin-Jin Hou and Ping-Shun Chang. 1992. Study on Generation Acceleration of Peanut : II.Promotion in Germination Rate of immature Seeds. J. Chiayi Ins. Agr. 32 : 22-37.
- 4.Hou Chin-Jin and Ching-Ping Liu. 1993. The comparison in plant types and Agronomic characters between fruit-variety and leaf-variety of rozelle. J. Chiayi Ins. Agronomy Society. 32 : 22-37.
5. Lee Ruey-Shing and Chin-Jin Hou. 1994. Productivity of Different Seed Size of Peanut Canopy as Influenced by Planting Density ° Journal of Agricultural Association of China. 164:17-30.
6. Lee Ruey-Shing and Chin-Jin Hou. 1993. Growth Characters between Peanut Cultivars Differing in Seed Size as Influenced by Planting Density 1. Pod yield and dry matter production at ridge seed bed cultivated pattern ° J. Chiayi Ins. Agr. 35 : 11-24.
7. Lee Ruey-Shing and Chin-Jin Hou. 1994. Agronomic characters, dry matter distributions and redistributions of different seed size of peanut as influenced by planting density. J. Chiayi Ins. Agr. 36 : 13-27.
8. Lee Ching-Shui, Chin-Jin Hou and Ruey-Shing Lee. 1994. Effects of reduced tillage culture on the agronomic characters and yield in peanut (*Arachis hypogaea* L.). J. Chiayi Ins. Agr. 36 : 29-42.
9. Lee Ruey-Shing and Chin-Jin Hou. 1994. Growth Characters between Peanut Cultivars Differing in Seed Size as Influenced by Planting Density ,II 、 Pod yield and dry matter production at level seed bed cultivated pattern. J. Chiayi Ins. Agr. 37 : 1-18.
- 10.Liu Cling-Ping , Chin-Jin Hou and Ping-Shun Chang. 1994. Investigation on The Minimum Planting Density of Peanut Suitable for Single Seed Descent. J. Chiayi Ins. Agr. 38 : 13-24.
11. Hou Chin-Jin, Ching-Ping Liu and Chii-Dong Liu. 1994. Study on the Flooding Tolerance of Peanut. I The influence of Different Flooding Time and Soil Texture on Seed Germination of Peanut. J. Chiayi Ins. Agr. 38 : 25-42.
- 12.Hou Chin-Jin, Ching-Ping Liu and Chii-Dong Liu. 1994. Study on the Flooding Tolerance of Peanut II The Influence of Different Culture Media on Flooding Tolerance of Peanut During Seed Germination. J. Chiayi Ins. Agr. 39 : 11-23.
- 13.Chiou,R. Y.-Y. C. P. Liu, C. J. Hou and C. D. Liu. 1995. Comparison of fatty acid composition and oxidative stability of peanut oils prepared from from spring and fall crops of peanuts J.Agric .Food

Chem..43:676 -679.

14. Lee Ruey-Shing, Chin-Jin Hou and Yung-Yang Wen. 1996. Variations and Correlations of Yield Component Characters and Photosynthetic Characteristics of Black Soybean. J. Chiayi Ins. Agr. 47 : 1-19.
15. Hou Chin-Jin, Ching-Tient Chen, Ching-Ping Liu and Maw-Tien Lee. 1997. Influences of Different Salt Concentration in Irrigating Water on Soybean's Growth and Yield. I .Responses of Agronomic Characters and Yield Components of Soybean to the Different Irrigating Frequency and Salt Concentration Treatments under Percolation and Non-percolation Conditions. J. Chiayi Ins. Agr. 51 : 1-21.
16. Hou Chin-Jin and Ching-Ping Liu. 1997. Influences of Different Sowing Seed Numbers on Agronomic Characters and Yield in Peanut. J. Chiayi Ins. Agr. 52 : 1-14.
17. Liu Ching-Ping, Chin-Jin Hou, Ping-Shun Chang and Yung-Yang Wen. 1997. Study on Generation Acceleration of Peanut III. The Effect of Fertilizer Dosages on Blooming. J. Chiayi Ins. Tec. 53 : 109-120.
18. Lee Ruey-Shing, Chin-Jin Hou, Yung-Yang Wen and Chin-Yin Tseng. 1997. Study on the Yield Component Characters and Chemical Composition Characteristics of Black Soybean Varieties(Lines). J. Chiayi Ins. Tec. 53 : 93-107.
19. Hou Chin-Jin and Ching-Ping Liu. 1997. Effects of CCC (2-chloroethyl -trimethyl -ammonium chloride.) and Phosphate-Potassium Fertilizer on Agronomic Characters and Yield of Peanut. J. Chiayi Ins. Tec.54 : 1-16.
20. Hou Chin-Jin and Ruey-Shing Lee. 1998. Effects of Missing Plants and Resowing on the Yield and its Components of Peanut. J. Chiayi Ins. Tec. 57 : 1-12.
21. Chen Ching-Tien and Chin-Jin Hou. 1998. Influences of Different Salt Concentration in Irrigation Water on Corn's Growth and Yield. J. Chiayi Ins. Tec. 57 : 67-79.
22. Hou Chin-Jin and Ching-Ping Liu. 1999. Effects of Weeding and Soil Banking on Agronomic Characters and Yield of Peanut. J. Chiayi Ins. Tec. 65 : 1-16.
23. Lee Si-Chen, Tsung-Lin Sun, Chin-Chang Shan and Chin-Jin Hou. 1999. Studies on the psychokinesis control for the get up die alive of Peanut. Chinese Journal of Somatic Science. 9(2) : 52-54.

24. Hou Chin-Jin, Yung-Yang Wen and Ruey-Shing Lee. 2000. Agronomic Characters and Yields of Peanut as Affected by Cultivars and Maturity. *J. Chiayi U. (J. Chiayi Ins. Tec.* 69 : 1-13).
25. Lee Ruey-Shing, Yung-Yang Wen, Chin-Jin Hou, Chang-Zuei Wang and Robin Y. Y. Chiou. 2000. Physical and Chemical Characters and Yields of Peanut Kernels as Affected by Cultivars and Maturity. *Journal of Agricultural Association of China.* 1(5) : 518-534.
26. Hou Chin-Jin, Ching-Ping Liu and Warren H. J. Kuo. 2000. Effect of Shelling Treatment on the Longevity of Peanut Seeds. *Chinese Agron. J.* 10(2):83-94.
27. Hou Chin-Jin, Ching-Ping Liu and Warren H. J. Kuo. 2000. Studies on the Storage Behaviour of Peanut Seeds. *Chinese Agron. J.* 10 (2): 95- 113.
28. Hou Chin-Jin, Warren H. J. Kuo and Yun-Ming Pong. Effects of Temperature and Photoperiod on the Duration of Pre-flowering Phase of Crops. I. Effects of Temperature on the Flowering of Crops. *Chinese Agron. J.* 10(2):115-129.
29. Hou Chin-Jin, Ching-Ping Liu and Warren H. J. Kuo. 2000. Studies on the Electrical Conductivity Test for the Seeds Viability of Peanut. *Chinese Agron. J.* 10(2):131-142.
30. Hou Chin-Jin and Ching-Ping Liu. 2000. The Effect of Different Grades of Seeds on Agronomy Characteristics and Yield Components of Peanut. *Chinese Agron. J.* 10(2):143-154.
31. Hou Chin-Jin and Ya-Szu Yang. 2000. Effects of water and salt stress on seed germination of *Bidens pilosa* L.. *Chinese Agron. J.* 10(3): 199-208.
32. Hou Chin-Jin, Ya-Szu Yang and Su-Min Wang. 2000. Effects of different light quality on seed germination of two *Bidens* plants. *Weed Sci. Bull.* 20(2) : 39-54.
33. Hou Chin Jin, Ya Szu Yang and Su Min Wang. 2000. Seed size and germination character of *Bidens pilosa* L. and *Bidens pilosa* L. var. *radiata* Sch. at different days after flowering. *Weed Sci. Bull.* 20(2) : 61-72.
34. Hou Chin Jin and Shu-Min Wang. 2000. Effects of water and salt stress on seed germination of *Bidens pilosa* L. var. *radiata* Sch. from different sources. *Seed & Nursery.* 2(2) : 119-134.
35. Hou Chin-Jin, Warren H. J. Kuo and Yun-Ming Pong. 2001. Effects of temperature and photoperiod on the duration of preflowering phase of

- crops. II. Effects of photoperiod and temperature on flowering. Chinese Agron. J. 11(1) : 1-13.
36. Hou Chin-Jin and Ching-Ping Liu. 2001. Effects of drying treatments on the Water Content and Germination Characters of Peanut Seeds. Chinese Agron. J. 11(1) : 31-39.
37. Hou Chin-Jin and Kuei-Chi Wu. 2001. Seasonal Changes in the Germinability of Buried Seeds of *Chenopodium ficifolium* Sm. Chinese Agron. J. 11(1):49-57.
38. Hou Chin-Jin, Ching-Ping Liu and Warren H. J. Kuo. 2001. Studies on the cold test for peanut seed viability. Chinese Agron. J. 11:83-95.
39. Hou Chin-Jin and Tauh-Shang Yen. 2001. Seasonal Changes in the Germinability of Buried Seeds of Nightshade (*Solanum nigrum* L.). Weed Sci Bull. 22(2):101-114.
40. Hou Chin-Jin, Yung-Yang Wen, Ruey-Shing Lee, Yih-Feng Chiu, Der-Shien Fung and Robin Y.Y. Chiou. 2002. Effect of application of organic fertilizer in combination with de-sulfur slag on cultivation of sweet pepper and melon. Chinese Agron. J. 12(1):43-55.
41. Hou Chin-Jin, Chung-Chaun Wu. 2002. Studies on the Dormancy Breaking of *Rhynchelytrum repens* Seeds. Weed Sci. Bull. 23 (1),1-12.
42. Lee Ruey-Shing, Yung-Yang Wen and Chin-Jin Hou. 2003. Physical and chemical characters of peanut kernels as affected by cultivars and sowing time. Chinese Agron. J. 13(1) : 15-28.
43. Lee Ruey-Shing, Yung-Yang Wen and Chin-Jin Hou. 2003. Agronomic characteristics and yields of peanut as affected by cultivars and sowing time. Chinese Agron. J. 13 : 67-80.
44. Lee Ruey-Shing, Jin-Tswen Ke, Chin-Jin Hou, Yung-Yang Wen, Yih-Feng Chiu, Der-Shien Fung and Robin Y.Y. Chiou. 2003. Cultivation of Peanut as Affected by Application of Organic Fertilizer in Combination with De-sulfur Slag. J. Agri. Assoc. China 4(5) : 465-475.
45. Hou Chin-Jin and Ching-Ping Liu. 2003. A study of the most suitable seed water content for machine sowing in peanut. Chinese Agron. J. 13(3) : 199-212.
46. Hou Chin-Jin and Ching-Ping Liu. 2003. Study of suitable seed size for machine sowing in peanut. Chinese Agron. J. 13(3) : 213-224.
47. Hou Chin-Jin. 2004. Effects of Temperature, Seed Water Content and Oxygen on the Storage Longevity of Vegetable Soybean and Black Soybean Seeds. Crop. Environment & Bioinformatics 1 : 171-190.
48. Lin Zheng-Wei, Chia-Chang Wu and Chin-Jin Hou. 2006.

Investigate the Knowledge of Pesticide Application for Tea Farmers in Taiwan. Taiwan Tea Research Bulletin 25: 169-180 ◦

49. Chen Shi-Ying, Chia-Chang Wu and Chin-Jin Hou. 2006. Studies on Consumer's Habit and Recognition for Tea Beverages. Taiwan Tea Research Bulletin 25: 181-196.

50. Wu Chih-Cheng and Chin-Jin Hou. 2007. Weed management in organic cultivation of sweet potato. Weed Sci.Bull.28 (1),18-36.

51. Chen Mei-Ru, Chin-Jin Hou, Jeng-Bin Lin and Shin-Lon Ho. 2007. Cluster Analysis of the Agronomic Traits of Guineagrass (*Panicum maximum*) of Taiwan. Weed Sci.Bull. 28 (1),37-58.

52. Wu Ming-Hone, Chin-Jin Hou and Ruey-Shing Lee. 2008. Total phenolics, flavonoids and antioxidant activities of sweet potato (*Ipomoea batatas* L.) tuberous root as affected by organic cultivation practices. J.Agric.For. (NCYU), 5(1): 1-14.

53. Wang Shuo-Yi, Chin-Jin Hou and Ruey-Shing Lee. 2008. Associations among Acid Value, Iodine Value, Saponification Value and Agronomic Traits of Soybean Varieties in Taiwan. J. Agric.For. (NCYU), 5(2): 11-33.

54. Hou Chin-Jin and Warren H. J. Kuo. 2008. Effect of different densities of two *Ageratum* spp. on the growth and yield of corn. Weed Sci.Bull. 29(1), 41-60.

55. Hou Chin-Jin and Warren H. J. Kuo. 2008. Effect of different *Ageratum* densities on the growth and yield of peanut. Weed Sci.Bull. 29(1), 61-74.

56. Lin Zheng-Wei, Chia-Chang Wu and Chin-Jin Hou. 2008. Dissipation of four synthetic pyrethroids pesticides in tea plants expose to rain. Taiwan Tea Research Bulletin 27: 63-72 ◦

57. Ying-Chung Chen and Chin-Jin Hou. 2009. Effect of Plant Growth Regulators on the Growth and Vegetation Color of Bermudagrass (*Cynodon* spp.). Crop.Environment & Bioinformatics 6(1) : 1-15.

58. Wu Hsin-Yi and Chin-Jin Hou. 2009. Effect of different mulching materials on weed control and growth of sweet potato. Weed Sci.Bull.30 (1): 1-18.

59. Huang Cyun-Lin and Chin-Jin Hou, . 2009. Effect of seed maturity on germination and dormancy breaking of *Abrus precatorius* L. seeds. Weed Sci. Bull. 30 (1): 19-36.

60. Huang, Li-Ting and , Chin-Jin Hou 2009. Seasonal changes in the germinability of buried seeds of *Gnaphalium purpureum* L. J. Agric.For.

(NCYU), 6(2):1-12.

61. Tzeng Ying-Jung and Chin-Jin Hou. 2009. Effects of temperatures, water and salt stress on the germination of *Talinum triangulare* Willd. Seeds. *Weed Sci. Bull.* 30 (2):95-108.

62. Chen Mei-Ru, Chin-Jin Hou, Jeng-Bin Lin and Shin-Lon Ho. 2009. Study on the genetic diversity in *Panicum maximum* of Taiwan by using PAPD. *Weed Sci. Bull.* 30 (1),37-50.

63. Lin Jih-Sin, Lee Ruey-Shing, Yung-Yang Wen and Chin-Jin Hou. 2010. Effects of organic cultivation practices on the nutrition of sweet potato tuberous root. *J. Agric. For. (NCYU)*, 7(1):in print.

64. Su Yu-Lun, Jin-Chih Lin and , Chin-Jin Hou 2010. Effects of roasting treatment on chemical components and quality of tea in different altitude tea areas. *J. Agric. For. (NCYU)*, 7(2):in print.

Associate Professor - Cherng-Kang Liao

Publication List :

Yih, M.S., **C.K Liao**, H.S. LU. and C.Chu. 2007. Effect of (N-(2-chloro-4-pyridyl)-N' -phenylurea) on callus induction and plant regeneration from immature inflorescences of Pangolagrass A254 (*Digitaria decumbens*). *Taiwan Livestock Res.* 40:97-107.

Liao, Y.K., **C.K.Liao** and Y.L. Ho. 2008. Maturation of somatic embryos in two embryogenic cultures of *Picea morrisonicola* Hayata as affected by alternation of endogenous IAA content. *Plant Cell Tissue Organ Cult.* 93:257-268.

Shu. M.C. and **C.K Liao**. 2008. Adventitious shoot induction and regeneration of Rieger begonia (*Begonia × hiemalis*). *J. Agri. Assoc. Taiwan* 9:12-25.

Yih, M.S., **C.K Liao**, H.S.LU. and C.Chu. Plant regeneration from cell suspension culture of Pangolagrass A254 (*Digitaria decumbens*). *J. Agri. Assoc. Taiwan* 9: 433-445.

Liao, C.K. and C.C. Shiu. 2009. Adventitious shoot induction and plant regeneration of hybrid tuberous begonia (*Begonia × tuberhyrida* Voss). *J. Agri. Assoc. Taiwan* 10:102-113.

Liao, C.K. and S. W Huang. 2009. Mass propagation of Riger begonia(*Begonia x hiemalis*) by temporary immersion systems. 10:440-451.

Associate Professor - Chii-Dong Liu

Publication List :

1. Chann, L.S., C. Chu, C.D. Liu, R.S. Chen, and J.G. Tsay. 2006. PCR-based detection and differentiation of Anthracnose pathogens, *Colletotrichum gloeosporioides* and *C. truncatum*, from vegetable soybean in Taiwan. *J. Phytopathology* 154: 654-662. (SCI)
2. Chang, J.C., Y.H. Lai, B. Djoko, P.L. Wu, C.D. Liu, Y.W. Liu, and Robin Y.Y. Chiou. 2006. Biosynthesis Enhancement and Antioxidant and Anti-inflammatory Activities of Peanut (*Arachis hypogaea* L.) Arachidin-1, Arachidin-3, and Isopentadienylresveratrol. *J. Agric. Food Chem.* 54: 10281-10287. (SCI)

Associate Professor - Kai-Wei Juang

Publications:

1. **Juang, K.W.**, and D.Y. Lee. 1998. A comparison of three kriging methods using auxiliary variables in heavy-metal contaminated soils. *J. Environ. Qual.* 27:355-363. (SCI)
2. **Juang, K.W.**, and D.Y. Lee. 1998. Simple indicator kriging for estimating the probability of incorrectly delineating hazardous areas in a contaminated site. *Environ. Sci. Technol.* 32:2487-2493. (SCI)
3. **Juang, K.W.**, D.Y. Lee, and C.K. Hsiao. 1998. Kriging with cumulative distribution function of order statistics for delineation of heavy-metal contaminated soils. *Soil Sci.* 163:797-804. (SCI)
4. **Juang, K.W.**, D.Y. Lee, and Z.S. Chen. 1999. Geostatistical cross-validation for additional sampling assessment in heavy-metal contaminated soils. *J. Chinese Institute of Environ. Engr.* 9:89-96.
5. **Juang, K.W.**, and D.Y. Lee. 2000. Comparison of three nonparametric kriging methods for delineating heavy-metal contaminated soils. *J. Environ. Qual.* 29:197-205. (SCI)
6. Hsiao, C.K., **K.W. Juang**, and D.Y. Lee. 2000. Estimating the second-stage sample size and the most probable number of hot spots from a first-stage sample of heavy-metal contaminated soil. *Geoderma* 95:73-88. (SCI)

7. Tsai, S.C., and **K.W. Juang**. 2000. A comparison of linear and nonlinear forms of isotherm models for strontium sorption on a sodium bentonite. *J. Radioanal. Nucl. Chem.* 243:741-746. (SCI)
8. **Juang, K.W.**, and D.Y. Lee. 2000. Application of disjunctive kriging on delineation of heavy-metal contaminated soils. *J. Chinese Institute of Environ. Engr.* 10:291-299.
9. **Juang, K.W.**, D.Y. Lee, and T.R. Ellsworth. 2001. Using rank order geostatistics for spatial interpolation of highly skewed data in a heavy-metal contaminated site. *J. Environ. Qual.* 30:894-903. (SCI)
10. **Juang, K.W.**, D.C. Liou, and D.Y. Lee. 2002. Site-specific phosphorous application based on the kriging fertilizer-P availability index of soils. *J. Environ. Qual.* 31:1248-1255. (SCI)
11. **Juang, K.W.**, Y.S. Chen, and D.Y. Lee. 2004. Sequential indicator simulation used for assessing the uncertainty of delineating heavy-metal contaminated soils. *Environ. Pollut.* 127:229-238. (SCI)
12. Yu, P.F., **K.W. Juang**, and D.Y. Lee. 2004. Assessment of phytotoxicity of chromium in soils using selective ion exchange resin extraction method. *Plant Soil* 258:333-340. (SCI)
13. **Juang, K.W.**, L.F. Wu, and D.Y. Lee. 2004. Adaptive sampling used for kriging maps of heavy metals in contaminated soils. *J. Chinese Institute of Environ. Engr.* 14:17-24.
14. **Juang, K.W.**, C.C. Tseng, L. Tsui, and D.Y. Lee. 2005. Determining the optimal clean-up unit for contaminated soil based on dispersion variance. *J. Chinese Institute of Environ. Engr.* 15:21-28.
15. **Juang, K.W.**, D.Y. Lee, and Y.L. Teng. 2005. Adaptive sampling based on cumulative distribution function of order statistics to delineate heavy-metal contaminated soils using kriging. *Environ. Pollut.* 138:268-277. (SCI)
16. **Juang, K.W.**, Y.W. Liu, and D.Y. Lee. 2005. Estimating the spatial distribution of soil penetration resistance in a field as a function of water content and bulk density. *Soil and Environ.* 8:23-34. (**Research Paper Award, the Chinese Society of Soil and Fertilizer Sciences, 2005**)
17. Tsai, S.C., **K.W. Juang**, and Y.L. Jan. 2005. Sorption of cesium on rocks using heterogeneity-based isotherm models. *J. Radioanal. Nucl. Chem.* 266:101-105. (SCI)
18. Lee, D.Y., J.C. Huang, **K.W. Juang**, and L. Tsui. 2005. Assessment of phytotoxicity of chromium in flooded soils using embedded selective ion exchange resin method. *Plant Soil* 277:97-105. (SCI)

19. Liu, T.L., **K.W. Juang**, and D.Y. Lee. 2006. Interpolating soil properties using kriging combined with categorical information of soil maps. *Soil Sci. Soc. Am. J.* 70:1200-1209. (SCI)
20. Lee, D.Y., Y.N. Shih, H.C. Zheng, C.P. Chen, **K.W. Juang**, J.F. Lee, and L. Tsui. 2006. Using the selective ion exchange resin extraction and XANES methods to evaluate the effect of compost amendments on soil chromium(VI) phytotoxicity. *Plant Soil* 281:87-96. (SCI)
21. **Juang, K.W.**, W.J. Liao, T.L. Liu, L. Tsui, and D.Y. Lee. 2008. Additional sampling based on regulation threshold and kriging variance to reduce the probability of false delineation in a contaminated site. *Sci. Total Environ.* 389:20-28. (SCI)
22. Chen, C.P., D.Y. Lee, **K.W. Juang**, and T.H. Lin. 2008. Phytotoxicity of soil trivalent chromium to wheat seedlings evaluated by chelating resin extraction method. *Soil Sci.* 173:638-648.
23. Cheng, C.J., T.H. Lin, C.P. Chen, **K.W. Juang**, and D.Y. Lee. 2009. The effectiveness of ferrous iron and sodium dithionite for decreasing resin-extractable Cr(VI) in Cr(VI)-spiked alkaline soils. *J. Hazard. Mater.* (in press).
24. Chiu, C.C., C.J. Cheng, T.H. Lin, **K.W. Juang**, and D.Y. Lee. 2009. The effectiveness of four organic matter amendments for decreasing resin-extractable Cr(VI) in Cr(VI)-contaminated soils. *J. Hazard. Mater.* (in press).