



# Curriculum vitae

## Chih-Huang Weng

Professor

Dept. of Civil and Ecological Engineering, I-Shou University, Taiwan



Revised date: 5/5/2016

## Degree

- 1994 Ph.D. University of Delaware (Environmental Engineering), Newark, DE, USA
- 1990 MCE University of Delaware (Environmental Engineering), Newark, DE, USA
- 1985 BS Chung-Yuan Christian Univ. (Civil and Hydraulic Engineering), Taiwan

## Experiences

- 2013.11.11-2016.11.10 **Coloration Technology, Editorial board Panel member**, JCR2012 SCI 0.899, 31.8% 7/22, Materials Sci, Textiles. Issue published 1884-2013.
- 2015.7-2016.9 **Agriculture Water Management, Managing Guest Editor** (Special issue title: Water Resources for Environmental Sustainability: Management Priorities), JCR2014 SCI 2.286.
- 2014.12.16-Active **Journal of Water Resource and Hydraulic Engineering, Editorial board Panel member**. ISSN: 2306-7705(Print) ISSN:2306-7691(Online).
- 2012-Active Visiting Professor, College of Environmental Resources, Jilin Univ., China
- 2008-2011 Department Chair, Dept. of Civil and Ecological Engineering, I-Shou Univ., Taiwan
- 2002-2011 Professor, Dept. of Civil and Ecological Engineering, I-Shou Univ., Taiwan
- 2003-2006 Joint Professor, Dept. of Civil Eng., R.O.C. Military Academy
- 1994-2002 Associate Professor, Dept. of Civil and Ecological Eng., I-Shou Univ., Taiwan

## On-going Research Interestes

- **Water pollution control, colloidal interface interaction, adsorption, advanced oxidation process, soil and groundwater remediation, sludge and waste utilization, sludge dewatering**

## Academic Awards

- 2014.8-2016.7 Ministry of Science Technology, Excellent Researcher Award, NT\$ 140,000/month.  
2011.8-2013.7; 2014.8-2014.7 National Science Council, Excellent Researcher Award, NT\$ 144,000/month.
- 2010.11. Academic paper Award, Chinese Society of Environmental Engineering. Chih-Huang Weng and Hao-Wen Tsai, A PILOT-SCALE TEST OF ELECTROKINETIC REMEDIATION OF Cr(VI) CONTAMINATED KAOLINITE INCORPORATED WITH ZERO-VALENT IRON
- 2010.10. 2010 Civil and Ecological Conference. Best Paper Award. Chih-Huang Weng and Ho-Men Yuan, Study of Fenton/Ultrasound degradation of acid dye(Indigo carmine)
- 2009.1. 2009 Civil and Ecological Conference. Best Paper Award. Chih-Huang Weng and Wei-Lung Wang, Study of Magnetic nano particles for the treatment of zinc lander wastewater.
- 2008 Excellent Paper Award, Chinese Society of Environmental Engineering. Chih-Huang Weng, Wei-Shown Huang, and C.C. Lou, Adsorption Characteristics of Basic dye (Methylene blue) onto Used Tea Leaves, 2008 Conference of Wastewater Treatment Technology, Taipei, National Taiwan Univ., Taiwan (Nov. 8-9, 2008).
- 2007 Best Paper Award (Only 3 among 180 papers received this award), Chih-Huang Weng and Wei-Shown Huang, Use of spent teat leaf powder for removal of Cr(VI) from aqueous



- solution: Kinetic and equilibrium studies, 2007 Conference of Wastewater Treatment Technology, Kaohsiung, National Univ. of Kaohsiung (Nov. 23-24, 2007).
- 2003 1<sup>st</sup> Place Paper Award, Chinese Society of Environmental Engineering. Chih-Huang Weng, and Tuen-Yu Lin, Use of zero valent iron wall to enhance electrokinetic removal of Cr(VI) contaminated clay, 1<sup>st</sup> Conference of Soil and Grundwater Remediation, Taichung, National Chung-Shin Univ. (Nov. 28-29, 2003).
  - 2002 Excellent Paper Award, Chinese Society of Environmental Engineering. Chin Yuan, Chih-Huang Weng, and Chi-Sen Gian, Enhanced Electrokinetic remediation of pentachloroethene contaminated soils using zero valent iron (in Chinese), 17<sup>th</sup> Conference of Waste Management Treatment Technology, Taipei, National Taiwan Univ. (Nov. 29-30, 2002).
  - 1999 1<sup>st</sup> Place Poster Paper Award, Chinese Society of Environmental Engineering. Den-Fong Lin, Kuo-Zu Fu, and Chih-Huang Weng, 10<sup>th</sup> Conference of Wastewater Treatment Technology, Chung-Li, National Central Univ. (Nov. 26-27, 1999).
  - 1997 Chih-Huang Weng, National Science Council Research Award, Class A, NT\$ 144,000, NSC86-0377-010-043, Award Paper, Adsorption of Cr(VI) onto TiO<sub>2</sub> from dilute aqueous solutions, *Water Science and Technology*, 35(7) (1997).
  - 1996 Chih-Huang Weng, National Science Council Research Award, Class A, NT\$ 144,000, NSC86-2813-C-214-001-001, Award Paper, Chemical interactions between Cr(VI) and hydrous concrete particles, *Environmental Science & Technology*, 30(2) (1996).

## Publications

### A. Book Chapter

- Chih-Huang Weng “Coupled Electrokinetic-Permeable Reactive Barriers”, In *Electrochemical Remediation Technologies for Polluted Soils, Sediments and Groundwater*, Chapter 23 p.483–503, (Ed. Krishna Reddy and Claudio Camelelle), John Wiley & Sons (Aug., 12, 2009).  
Print ISBN: 9780470383438 Online ISBN: 9780470523650
- S.Z. Lee, C. H. Weng and H.E. Allen, “Importance of soil chemistry to contamination of groundwater by metals”, In *Groundwater Contamination and Control*, Chapter 15, p. 241–55 (Ed. Uri Zoller), Marcel Dekker, Inc. New York, (Sep. 1994).

### B. Journal Articles (\* corresponding author)

1. C. H. Weng, C. P. Huang\*, H. E. Allen, A. H-D. Cheng and P. F. Sanders, Chromium leaching behavior in soil derived from chromite ore processing residue, *Science of The Total Environment*, 154, 71–86. (1994, Sep.) (JCR2014-SCI IF:4.099, 18/221, Environmental Science.) Cited times in ORCID Scopus: 50
2. C. H. Weng, and C. P. Huang\*, Treatment of metal industrial wastewater by fly ash and cement fixation, *Journal of Environmental Engineering-ASCE*, 120(6), 1470–1487. (1994, Dec.) (SCI, 1.399, 25/122, Engineering, Civil ) Cited times in ORCID Scopus: 84
3. C. H. Weng, C. P. Huang\*, H. E. Allen, P. Leavins and P. F. Sanders, Chemical interactions between Cr(VI) and hydrous concrete particles, *Environmental Science & Technology*, 30(2), pp. 371–376. (1996, Feb.) (SCI 5.257, Environmental Science 7/207) Cited times in ORCID Scopus: 45
4. C. H. Weng\*, J. H. Wang and C. P. Huang, Adsorption of Cr(VI) onto TiO<sub>2</sub> from dilute aqueous solutions, *Water Science and Technology*, 35(7), 55–62. (1997, July) (SCI 1.146, Water Resources 44/80) Cited times in ORCID Scopus: 85
5. Chih-Huang Weng\*, Yu-Hsiung Lin, and Yung-Hsu Hsieh, Electrokinetic remediation of Trichloroethylene contaminated kaolinite, *Journal of the Chinese Institute of Environmental Engineering*, 10(4), 279–289 (2000, Dec.), NSC89-2211-E-214-004. Cited times in ORCID Scopus: 1



6. [Chih-Huang Weng\\*](#), P.C. Chiang, and E.E. Chang, Adsorption Characteristics of  $\text{Cu}^{\text{II}}$  on to Industrial Wastewater Sludges, *Adsorption Science & Technology*, 19(2) 143–157 (2001, March), (SCI 0.875, EI, Subject Categories: Water Resources 29/57) Cited times in ORCID Scopus: 10
7. Ching Yuan\*, [Chih-Huang Weng](#), Remediation of Cr(III) contaminated clay by electrokinetics: the effect of processing fluids, *Journal of the Chinese Institute of Environmental Engineering*, 11(3), 179–186 (2001, Sep), NSC89-2211-E-214-001.
8. [Chih-Huang Weng\\*](#), and Ching Yuan, Removal of Cr(III) from clay soils by electrokinetics, *Environmental Geochemistry and Health*, 23(3), 281–285 (2001, Sep.), NSC88-2211-E-214-007 (SCI 2.076, Water Resources 18/80). Cited times in ORCID Scopus: 37
9. [Chih-Huang Weng\\*](#), C.P. Huang, and Paul F. Sanders, Effect of pH on Cr(VI) leaching from soil enriched in chromite ore processing residue, *Environmental Geochemistry and Health*, 23(3), 207–211 (2001, Sep.) (SCI 2.076, Water Resources 18/80). Cited times in ORCID Scopus: 11
10. Deng-Fong Lin and [Chih-Huang Weng\\*](#), Use of sewage sludge ash as brick material, *Journal of Environmental Engineering-ASCE*, 127(10), 922–927 (2001, Oct.). NSC89-2211-E-214-003 (SCI 1.121, Engineering Civil 24/118) Cited times in ORCID Scopus: 64
11. [Chih-Huang Weng\\*](#), C. P. Huang, H. E. Allen, and Paul F. Sanders, Cr(VI) Adsorption onto Hydrous Concrete Particles from Groundwater, *Journal of Environmental Engineering-ASCE*, 127(12), pp. 1124–1131 (2001, Dec) (SCI, 1.399, 25/122, Engineering, Civil ) Cited times in ORCID Scopus:17
12. [Chih-Huang Weng\\*](#), E.E. Chang, and P.C. Chiang, Characteristics of new coccine dye adsorption onto digested sludge particulates, *Water Science and Technology*, 44(10), 279–284 (2001, Dec), (SCI 1.146, Water Resources 44/80) Cited times in ORCID Scopus:12
13. [Chih-Huang Weng\\*](#), C. P. Huang, and P. F. Sanders, Transport of Cr(VI) in Soils Contaminated with Chromite Ore Processing Residue (COPR), *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, ASCE*, 6(1), 6–13 (2002, Jan). Cited times in ORCID Scopus:12
14. P. C. Chiang\*, W.F. Yang, I. I. Chang, [Chih-Huang Weng](#), Strategies of industrial sludge reduction and utilization, *Industrial Pollution Control*, 81, 125–140 (2002, Jan.) (In Chinese).
15. [Chih-Huang Weng\\*](#), Removal of Nickel(II) from Dilute Aqueous Solution by Sludge-Ash, *Journal of Environmental Engineering-ASCE*, 128(8), 716–722 (2002, Aug.). (SCI 1.121, Engineering Civil 24/118) Cited times in ORCID Scopus:28
16. [Chih-Huang Weng\\*](#), and Ching Yuan, Enhancement of sludge dewatering: Application of electrokinetic technique, *Journal of the Chinese Institute of Environmental Engineering*, 12(3), 235–243 (Sep. 2002). NSC89- 2211-E-214-011.
17. Ching Yuan\* and [Chih-Huang Weng](#), Electrical enhanced sludge dewatering process: A small pilot scale study, *Journal of the Chinese Institute of Environmental Engineering*, 12(3) 269–275 (Sep. 2002)
18. [Chih-Huang Weng\\*](#), Adsorption Characteristics of New Coccine Dye on to Sludge Ash, *Adsorption Science & Technology*, 20(7), 669–682. (2002, Sep.). (SCI 0.602 Engineering, Chemical 92/133) Cited times in ORCID Scopus:13
19. [Chih-Huang Weng\\*](#), Ching Yuan, and Huang-Hsu Tu, Removal of Trichloroethylene from Clay Soil by a Series Electrokinetic Process, *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, ASCE*, 7(1), 25–30 (2003, Jan.). NSC89- 2815-C-214-040R-E. (EI) Cited times in ORCID Scopus:11
20. [Chih-Huang Weng\\*](#), Deng-Fong Lin, and P.C. Chiang, Utilization of sludge as brick materials,” *Advances in Environmental Research*, 7(3), 675–685 (2003, May) (2012JCR-SCI 3.057, Environmental Science 39/215). (Incorporated into *Journal of Environmental Management* SINCE 2005) Cited times in ORCID Scopus:117



21. Ching Yuan\*, and [Chih-Huang Weng](#), Sludge dewatering by electrokinetic technique: effect of processing time and potential gradient, *Advances in Environmental Research*, 7(3) 727–732 (2003, May). (2012JCR-SCI 3.057, Environmental Science 39/215) Cited in Scopus (26) (Incorporated into [Journal of Environmental Management](#) since 2005). Cited times in ORCID Scopus: 40
22. [Chih-Huang Weng](#)\*, and C. P. Huang, Preliminary study on treatment of soil enriched in COPR by electrokinetics, *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, ASCE*, 8(2) 67–72 (2004, April) (EI). Cited times in ORCID Scopus: 4
23. [Chih-Huang Weng](#)\* Modeling Pb(II) adsorption onto sandy loam soil, *Journal of Colloid and Interface Science*, 272(2), 262–270 (2004, April). NSC 85-2211-E-214-001 (SCI 3.172 Chemistry, Physical 44/135) Cited times in ORCID Scopus: 46+1
24. ChingYuan\*, and [Chih-Huang Weng](#) Remediating ethylbene-contaminated clayey soil by a surfactant aided electrokinetic (SAEK) process, *Chemosphere*, 57(3), 225-232 (2004, Oct.) (SCI 3.206, Environmental Science 34/205) NSC 89-2211-E-214-001; NSC 91-2211-E-390-001. Cited times in ORCID Scopus: 29
25. [Chih-Huang Weng](#)\*, C. P. Huang, Adsorption Characteristics of Zn(II) from Dilute Aqueous Solution by Fly Ash, *Colloids and Surfaces A-Physicochemical and Engineering Aspects*. 247(1-3), 137–143 (SCI 2.108, Chemistry, Physical 70/135). (2004, Oct.). Cited times in ORCID Scopus: 85
26. [Chih-Huang Weng](#)\*, Yi-Fong Pan, Adsorption characteristics of methyleneblue from aqueous solution by sludge Ash, *Colloids and Surfaces A-Physicochemical and Engineering Aspects*. 274, 154-162 (SCI 2.108, Chemistry, Physical 70/135). (2006, Feb). NSC 93-2211-E-214-005 Cited times in ORCID Scopus: 87
27. K. F. Chen, C.M. Kao\*, T.Y. Chen, [C.H. Weng](#); C.T. Tsai Intrinsic bioremediation of MTBE-contaminated groundwater at a petroleum-hydrocarbon spill site, *Environmental Geology*, 50(3), 439-445 (June, 2006) (SCI 0.61, Water Resources 39/57) Cited times in ORCID Scopus: 17
28. [Chih-Huang Weng](#)\* T. Y. Lin, Sue-Wha Chu, and Ching Yuan, Laboratory-scale Evaluation of Cr(VI) Removal from Clay by Electrokinetics Incorporated with Fe(0) Barrier, *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management, ASCE*, 10(3), 171-178 (July, 2006) (EI). NSC 91-2211-E-214-002. Cited times in ORCID Scopus: 8
29. Ching Yuan\*, and [Chih-Huang Weng](#), Electrokinetic Enhancement Removal of Heavy Metals from Industrial Wastewater Sludge, *Chemosphere*, 65(1), 88-96, (Sep., 2006). (SCI 2.442, EI, Subject Categories: Environmental Science 27/140). NSC88-2211-E-214-004. Cited times in ORCID Scopus: 31
30. Yogesh C. Sharma\* and [Chih-Huang Weng](#), Removal of Chromium (VI) from Water and Wastewater by using Riverbed Sand: Kinetic and Equilibrium Studies,” *Journal of Hazardous Materials*, 142 (1-2), 449-454 (April, 2007). (SCI 4.173, EI, 1/118, Engineering Civil). Cited times in ORCID Scopus: 43
31. [Chih-Huang Weng](#)\*, Cha-Zen Tsai, Sue-Hua Chu, and Yogesh C. Sharma, Adsorption characteristics of copper (II) onto spent activated clay,” *Separation and Purification Technology*, 54(2) (Apr, 2007) 187-197. (SCI 2.894, Engineering, Chemical 15/133). NSC 94-2211-E-214-001 Cited times in ORCID Scopus: 95
32. [Chih-Huang Weng](#)\*, and Yi-Fong Pan, Adsorption of a cationic dye (methylene blue) onto spent activated clay, *Journal of Hazardous Materials*, 144 (1-2), 355-362 (June, 2007). (SCI 3.925, 2/122, Engineering Civil) (NSC 94-2211-E-214-001). Cited times in ORCID Scopus: 108
33. Y. C. Sharma\*, S.N. Kaul and [C. H. Weng](#), Adsorptive separation of cadmium from aqueous solutions and wastewaters by riverbed sand, *Environmental Pollution*, 150(2) 251-257, (Nov. 2007) (SCI 3.746, EI, 21/205, Environmental Science). Cited times in ORCID Scopus: 13
34. [Chih-Huang Weng](#)\*, Yao-Tung Lin, T. Y. Lin, and C.M. Kao, Enhancement of Electrokinetic Remediation of hyper-Cr(VI) Contaminated Clay by Zero-Valent Iron, *Journal of Hazardous*



- Materials*, 149 (2), 292-302, (Oct. 22, 2007). (SCI 3.925, EI, 2/122, Engineering Civil), (NSC 93-2211-E-214-005). Cited times in ORCID Scopus: 52
35. Y.C. Sharma, B. Singh, A. Agrawal, C.H. Weng, Removal of chromium by riverbed sand: Effect of important parameters, *Journal of Hazardous Materials*, 151 (2-3) 789–793. (March 1, 2008) (SCI 3.925, 2/122, Engineering Civil). Cited times in ORCID Scopus:34
36. Y.C. Sharma, V. Uma, S.N. Upadhyay and C.H. Weng, Studies on an economically viable remediation of chromium rich waters and wastewaters by PTPS fly ash, *Colloids and Surfaces A-Physicochemical and Engineering Aspects*, 317(1-3) 2008, 222-228 (SCI 2.236, 61/134, Chemistry, Physical). Cited times in ORCID Scopus: 13
37. Chih-Huang Weng\*, Yogesh C. Sharma, and Sue-Hua Chu, Adsorption of Cr(VI) from Aqueous Solution by Spent Activated Clay, *Journal of Hazardous Materials*, 155 (1-2), 65–75, (June 30, 2008). (SCI 3.925, 2/122, Engineering Civil) (NSC 95-2221-E-214-059). Cited times in ORCID Scopus:105
38. Yao-Tung Lin\*, Chih-Huang Weng, and Fang-Ying Chen, Effective Removal of AB24 Dye by Nano/micro-size Zero-valent Iron, *Separation and Purification Technology*, (Nov, 2008) 64(1) (2008) 38-47 (SCI 2.894, Engineering, Chemical 15/133). Cited times in ORCID Scopus:72
39. Chih-Huang Weng\*, and Ming-Chien Hsu, Regeneration of Granular Activated Carbon by an Electrochemical Process, *Separation and Purification Technology*, (Dec., 2008) 64(2) (2008) 227–236 (SCI 2.894, Engineering, Chemical 15/133). NSC 96-2221-E-214-013-MY3. Cited times in ORCID Scopus: 37
40. Y.C. Sharma\*,V. Srivastava,S.N. Upadhyay, C.H. Weng, Alumina nanoparticles for the removal of Ni (II) from aqueous solutions, *Industrial & Engineering Chemistry Research*, 47(21), 8095–8100 (2008), SCI 2.921, 16/133 Engineering, Chemical. Cited times in ORCID Scopus: 42
41. Y.C. Sharma, V. Srivastava, V.K. Singh, S.N. Kaul, C.H. Weng, Nano-adsorbents for the removal of metallic pollutants from water and wastewater, *Environmental Technology*, 30(6) 583–609, (2009) SCI 2.237, 30/133, Engineering, Chemical. Cited times in ORCID Scopus: 69
42. Nader Shariatmadari, Chih-Huang Weng, Hesam Daryae, “Enhancement of Hexavalent Chromium [Cr(VI)] Remediation from Clayey Soils by Electrokinetics Coupled with a Nano-Sized Zero-Valent Iron Barrier, *Environmental Engineering Science*, 26(6) 1071–1079 (June, 2009), SCI, 0.877, 162/205, Environmental Science), Cited times in ORCID Scopus: 3
43. Chih-Huang Weng\*, Yao-Tung Lin, Tai-Wei Tzeng, Removal of methylene blue from aqueous solution by adsorption onto pineapple leaf powder, *Journal of Hazardous Materials*, 170(1), 417–424, (Oct. 15, 2009). (SCI 3.925, 2/122, Engineering Civil) (NSC 96-2221-E-214-013MY3). Cited times in ORCID Scopus: 97
44. Chih-Huang Weng\*, Hao-Wen Tsai, A Pilot-Scale Test of Electrokinetic Remediation of Cr(VI) Contaminated Kaolinite Incorporated with Zero-Valent Iron, *Journal of Environmental Engineering and Management*, 19(6), (Nov. 2009) 1–9. NSC93–2211–E–214–005. (2010.11. Academic paper award of Taiwan Environmental Eng. Association)
45. Y.C. Sharma, V. Srivastava and C.H. Weng, Removal of Cr(VI) from wastewater by adsorption on iron nanoparticle, *Canadian Journal of Chemical Engineering*, 87, (2009 December) 921–929. (SCI 0.748, 82/133, Engineering Chemical) Cited times in ORCID Scopus: 14
46. Tsai T.T., Kao, C. M., Surampalli, Rao Y., Weng, C. H., Liang, S. H., Treatment of TCE-Contaminated Groundwater Using Fenton-Like Oxidation Activated with Basic Oxygen Furnace Slag, *Journal of Environmental Engineering-ASCE*, 136(3) 288–294, 2010.03, JCR2014-IF: SCI 1.267, 47/124, Engineering, Civil. Cited times in ORCID Scopus: 8
47. Lin, Yao-Tung, Weng, Chih-Huang, Tzeng, Tai Wei, "Photocatalysis and Catalytic Properties of Nano-sized N-TiO<sub>2</sub>Catalyst Synthesized by Sol-gel Methods, *Journal of Advanced Oxidation Technologies*, 13(3) 297–304, 2010.07, JCR2014-IF SCI: 0.988, 114/139, Chemistry, Physical. Cited times in ORCID Scopus: 2



48. **Chih-Huang Weng\***, Yao-Tung Lin, Chia-Ling Yeh, Y.C. Sharma, Magnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles for adsorptive removal of acid dye (new coccine) from aqueous solutions," *Water Science and Technology*, 62(4) 844–851, 2010.10, (JCR2014-IF SCI:1.106, 52/83 Water Resources). Cited times in ORCID Scopus: 14
49. Srivastava, V. , Weng, C.H. , Singh, V.K. , Sharma, Y.C, Adsorption of nickel ions from aqueous solutions by nano alumina: Kinetic, mass transfer, and equilibrium studies, *Journal of Chemical Engineering Data*, 56(4) (April 2011) 1414–1422. JCR2014-IF: 2.037, 50/133, Engineering, Cited times in ORCID Scopus: 19
50. V. Srivastava, P.K. Singh, C.H. Weng, Y.C. Sharma\*, Economically viable synthesis of Fe<sub>3</sub>O<sub>4</sub> nanoparticles and their characterization, *Polish Journal of Chemical Technology*, 13 (2) (2011.5) 1–5, (ISSN: 1509-8117, JCR2014-IF: 0.536, 108/133, Engineering, Chemical.
51. Chih-Huang Weng\*, Yao-Tung Lin, Chin Yuan, Chien-Sen Liao, Sludge dewatering assisted by an electrokinetic process, *Journal of Science and Technology*, 4(45) 149–154, 2011.07.
52. Chih-Huang Weng\* and Yu-Chin Wu, Potential Low-cost Biosorbent for Copper Removal: Pineapple Leaf Powder, *Journal of Environmental Engineering-ASCE*, 138(3) (Mar 2012) 286–292 DOI: 10.1061/(ASCE)EE.1943-7870.0000424 (JCR2014-IF: SCI 1.267, 47/124, Engineering, Civil). NSC 96-2221-E-214-013-MY3. Cited times in ORCID Scopus: 19
53. Yao-Tung Lin\*, Chih-Huang Weng, and Sheng-You Lee, Spatial Distribution of Heavy Metals in Contaminated Agricultural Soils Exemplified by Cr, Cu, and Zn, *Journal of Environmental Engineering-ASCE*, 138(3), (March 2012) 299–306 (JCR2014-IF:1.267, 47/124, Engineering, Civil ). Cited times in ORCID Scopus: 1
54. Ahmad Jamshidi Zanjani, Mohsen Saeedi\*, Chih-Huang WENG, An Electrokinetic Process Coupled Activated Carbon Barrier for Nickel Removal from Kaolinite, *Environment Asia*, 5(2) (2012) 28–35, Available online at [www.tshe.org/EA](http://www.tshe.org/EA)
55. Chih-Huang Weng\*, Yao-Tung Lin, and Ming-Chien Hsu, An electrokinetic process for Pb recovery from saturated powder activated carbon, *Journal of Science and Technology (Vietnam Academy of Science and Technology Journal Systems*, 50(1C) (July 2012) 166–172. ISSN0886708X (<http://vjs.ac.vn/index.php/index/index>).
56. Sandeep Yadav, Varsha Srivastava, Sushmita Banerjee, Chih-Huang Weng, Yogesh C. Sharma\*, Adsorption characteristics of modified sand for the removal of hexavalent chromium ions from aqueous solutions: Kinetic, thermodynamic and equilibrium studies, *Catena*, 100 (Jan 2013) 120–127 (CR2014-SCI IF: 2.82, 8/83, Water Resources). Cited times in ORCID Scopus: 12
57. Varsha Srivastava, Chih-Huang Weng and Yogesh C. Sharma\*, Application of a Thermally Modified Agrowaste Material for an Economically Viable Removal of Cr (VI) From Aqueous Solutions, 17(2) (April 2013) 125–133, *Journal of Hazardous, Toxic, and Radioactive Waste, ASCE*. EI.
58. Chih-Huang Weng\*, Yao-Tung Lin, Cheng-Kuan Chang, Na Liu, Decolorization of direct blue 15 by Fenton/ultrasonic process using a zero-valent iron aggregate catalyst, *Ultrasonics Sonochemistry*, 20(3) (May 2013) 970–977 (JCR2014-SCI IF: 4.321, 2/20 10% Acoustics). (NSC 99-2221-E-214-021-MY3). Cited times in ORCID Scopus: 31
59. Yao-Tung Lin, Chih-Huang Weng, Hui-Jan Hsu, Yu-Hao Lin and Ching-Chang Shiesh, The synergistic effect of nitrogen dopant and calcination temperature on the visible-light-induced photoactivity of N-doped TiO<sub>2</sub>, *International Journal of Photoenergy*, May 2013, Article ID 268723, 13 pages, <http://dx.doi.org/10.1155/2013/268723> Journal ISSN: 1110-662X, SCI 1.769 (JCR2014-IF 1.563, 42/87 Optics). Cited times in ORCID Scopus: 3
60. Varsha Srivastava, Deepak Gusain, Chih-Huang Weng, Yogesh C. Sharma\*, Removal of Ni<sup>II</sup> from aqueous solution by adsorption on Nano-Fe<sub>3</sub>O<sub>4</sub>: Kinetics and mass transfer study. *Journal of the Indian Chemistry Society*, 90, July 2013, 1–7. (JCR2014-IF 0.173, 153/157 Chemistry, Multidisciplinary). ISSN: 00194522.
61. Chih-Huang Weng\*, Yao-Tung Lin, Yen-Jung Chen and Y. C. Sharma, Spent green tea leaves for decolorization of raw textile industry wastewater, *Coloration Technology*, 129 (4), August



- 2013, 298–304. (CR2014-SCI IF:1.262, 5/22, Materials Sci, Textiles). 96-2221-E-214-013-MY3. Cited times in ORCID Scopus: 14
62. Yao-Tung Lin\*, Chih-Huang Weng, Yu-Hao Lin, Ching-Chang Shiesh and Fang-Ying Chen, Effect of C content and calcinations temperature on the photocatalytic activity of C-doped TiO<sub>2</sub> catalyst, *Separation and Purification Technolog*, 116 (Sep. 2013) 114–123. DOI: <http://dx.doi.org/10.1016/j.seppur.2013.05.018>. JCR2014-IF: SCI 3.091, 17/133, Engineering, Chemical) (2013.9) Cited times in ORCID Scopus: 12
63. Chih-Huang Weng\*, Yao-Tung Lin, Ho-Mien Yuan, Rapid decoloration of Reactive Black 5 by an advanced Fenton process in conjunction with ultrasound, *Separation and Purification Technology*, 117 (Sep. 2013) 75–82. (JCR2014-IF: SCI 3.091, 17/133, Engineering, Chemical) (NSC 99-2221-E-214-021-MY3). Cited times in ORCID Scopus: 11
64. Chih-Huang Weng, Yao-Tung Lin\*, Ching Yuan, Yu-Hao Lin, Dewatering of bio-sludge from industrial wastewater plant using an electrokinetic-assisted process: Effects of electrical gradient, *Separation and Purification Technology*, 117 (Sep. 2013) 35-40. (JCR2014-IF: 3.091, 17/133, Engineering, Chemical). Cited times in ORCID Scopus: 1
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### **C. Conference Articles**

Over 150 conference papers have been published.

#### **Conference organizer and Chair in recent 10 years.**

- 2016 **International Program Committee**, GeoChicago2016 “Sustainability, Energy, and the Geoenvironment”, Geoenvironmental Engineering Committee of the Geo-Institute (GI) of American Society of Civil Engineers (ASCE), August 14–18, 2016, Sheraton Chicago Hotel & Towers, Chicago, USA.
- 2016 **Committee**, 2016 International Conference on Water Resource Environment (WRE2016) July 23rd - 26th, 2016, Shanghai, China
- 2016 **International Program Committee**, 6<sup>th</sup> International Conference on Environmental Pollution and Remediation (ICEPR'16), Aug. 19–20, Budapest, Hungary
- 2015 **Technical Program Committee**, 2015 International Conference on Water Resource and Environment (WRE2015), July 25-27, Beijing, China.
- 2015 **International Program Committee/Section Chair**, 2015 International Conference on Environmental Quality Concern, Control and Conservation, May 21–22, National Kaohsiung Marian University, Kaohsiung, Taiwan.
- 2013 **International Program Committee**, *2012 International Conference on Sustainable Environmental Technologies*, Malina, The Philipines, Thailand, 2013.09.30–10.1
- 2012 **International Program Committee**, *2012 International Conference on Sustainable Environmental Technologies*, Bangkok, Thailand, 2012.04
- 2012 **Conference Chair**, 2012 International Conference on Environmental Quality Concern, Control and Conservation, I-Shou University, Kaohsiung, Taiwan.
- 2011 **International Program Committee/Section Chair**, 2011 International Conference on Environmental Quality Concern, Control and Conservation, May 21–22, National Kaohsiung Marian University, Kaohsiung, Taiwan.
- 2010 **Chair of coordinator**, *2010 Civil and Ecological Engineering Conference*, 2010.10, at ISU, Kaohsiung, Taiwan.
- 2010 **Program Chair**, Aquatic Chemistry Workshop-Retrospection for Academic Achievements of Professor Chin-Pao Huang, Taichung, Taiwan, Oct. 3–4, 2010.
- 2010 **Chair of coordinator**, *2009 Civil and Ecological Engineering Conference*, 2010.10, at ISU, Kaohsiung, Taiwan.
- 2009 **International Program Committee**, 2009 Asian-Pacific Regional Conference on Practical Environmental Technologies, August 7–8, Hanoi, Vietnam.
- 2009 **Conference Chair and International Program Committee**, 2009 International Conference on Environmental Quality Concern, Control and Conservation, May 22–23, Kaohsiung, Taiwan.
- 2008 **Chair of coordinator**, *2008 Civil and Ecological Engineering Conference*, 2010.10, at ISU, Kaohsiung, Taiwan.
- 2008 **International Program Committee**, 2008 International Conference on Environmental Quality Concern, Control and Conservation, May 23-24, Tainan, Taiwan.
- 2008 **Coordinator**, 2007 Conference on Civil and Ecological Engineering Technologies, Jan. 4.
- 2007 **International Program Committee**, 2007 Asian-Pacific Regional Conference on Practical Environmental Technologies, August 1–2, Khon Kaen, Thailand.