

Prof. YONA CHEN
LIST OF PUBLICATIONS

(Updated October 2019)

Summation of numbers of publications:

Dissertations - 2

Books - 7

Invited Reviews (reviewed) - 35

Chapters in Books and Proceedings (reviewed) - 61

Patents - 1

Articles in Scientific Journals (reviewed) - 234

Journal in Hebrew (including English abstracts) - 52

Teaching Manuals (in Hebrew) - 10

TOTAL - 402

H-index: 75; i10-index: 216

Total no. of citations: 18763 (1.1.2020)

Citation Nos. at the end of the paper's listing: C-nos.

Dissertations

1. M.Sc. Chen, Y. 1970. The structure, solubility products and optical properties of clay minerals in suspension. M.Sc. thesis. The Hebrew University of Jerusalem.
2. Ph.D. Chen, Y. 1975. Evaluation of montmorillonite behavior and particle structure as a model for swelling and flow impediment in soils. Ph.D. thesis. The Hebrew University of Jerusalem.

Books

1. Chen, Y., and Y. Avnimelech (eds.) 1986. The Role of Organic Matter in Modern Agriculture. 306 pp. Kluwer Academic Publishers, Dordrecht, The Netherlands.
2. Gerstl, Z., Chen, Y., Mingelgrin, U., and Yaron, B. (eds.) 1989. Toxic Organic Chemicals in Porous Media. 250 pp. Springer-Verlag, Berlin, F.R.G.
3. Chen, Y., and Y. Hadar (eds.) 1991. Iron Nutrition and Interactions in Plants (selected papers). Plant and Soil 130:1-288.
4. Chen, Y., and Y. Hadar (eds.) 1991. Iron Nutrition and Interactions in Plants. 377 pp. Kluwer Academic Publishers, London, U.K.
5. Rosen, D., E. Tel-Or, Y. Hadar and Y. Chen (eds.) 1997. Modern Agriculture and the Environment. 646 pp. Kluwer Academic Publishers, Dordrecht, The Netherlands.
6. Lahav, N., M. Shenker, and Y. Chen. 1999. Introduction to Soil Science. 272 pp. The Hebrew University of Jerusalem (in Hebrew).

7. Chen, Y. (Ed.), I. Kogel-Knabner, H. Knicker and M. Hemminga (Symposium Organizers). 2002. Second European Symposium on NMR in Soil Science. Journal of Environ. Qual., Special Issue, 31:375-514.

Invited Reviews (reviewed)

1. Chen, Y., Y. Hadar, and Y. Inbar. 1985. The use of composted agricultural waste as peat substitute in horticulture. pp. 388-392. In: P. L'Hermite (ed.). Processing and Use of Organic Sludge and Liquid Agricultural Wastes. Reidel Publishing Company, Boston. **C-56**
2. Chen, Y., and Y. Hadar. 1986. Composting and use of agricultural wastes in container media. pp. 71-77. In: M. De Bertoldi, M.P. Feranti, P. L'Hermite, and F. Zucconi (ed.) Compost: Production, Quality and Use. Elsevier, New York.
3. Raviv, N., Y. Chen, and Y. Inbar. 1986. Peat and peat substitutes as growth media for container-grown plants. pp. 257-287. In: Y. Chen, and Y. Avnimelech (ed.) The Role of Organic Matter in Modern Agriculture. Kluwer Academic Publishers, Dordrecht, The Netherlands. **C-180**
4. Hadar, Y., E. Jurkevitch, and Y. Chen. 1986. The effect of *Pseudomonas* on iron nutrition of plants. pp. 43-48. In: R. Swinburne, (ed.) Iron, Siderophores, and Plant Disease. Plenum Press, New York.
5. Chen, Y., and F.J. Stevenson. 1986. Soil organic matter interactions with trace elements. pp. 73-116. In: Y. Chen, and Y. Avnimelech (ed.) The Role of Organic Matter in Modern Agriculture. Kluwer Academic Publishers, Dordrecht, The Netherlands. **C-80**
6. Bar, A., A. Banin, and Y. Chen. 1987. Adsorption and exchange of potassium in multi-ionic soil systems as affected by mineralogy. pp. 143-158. In: N. Celio and O. Steineck (ed.). Methodology in Soil-K Research. International Potash Institute, Berne, Switzerland.
7. Senesi, N., and Y. Chen. 1989. Interactions of toxic chemicals with humic substances. pp. 37-90. In: Z. Gerstl, Y. Chen, U. Mingelgrin, and B. Yaron (ed.). Toxic Organic Chemicals in Porous Media. Springer-Verlag, Berlin, Germany. **C-75**
8. Chen, Y., and M. Schnitzer. 1989. Sizes and shapes of humic substances by electron microscopy. pp. 622-638. In: M.H.B. Hayes, P. MacCarthy, R.L. Malcolm and R.S. Swift (ed.). Humic Substances II: In Search of Structure. John Wiley, N.Y.
9. Chen, Y., and T. Aviad. 1990. Effects of humic substances on plant growth. pp. 161-186. In: P. MacCarthy, C.E. Clapp, R.L. Malcolm, and P.R. Bloom (ed.) Humic Substances in Soil and Crop Sciences: Selected readings. Am. Soc. Agron., Soil Sci. Soc. Am., Madison, Wisconsin. **C-815**

10. Chen, Y., A. Gamliel, J.J. Stapelton, and T. Aviad. 1991. Chemical, physical and microbial changes related to plant growth in disinfested soils. pp. 103-129. In: J. Katan and J.E. DeVay (ed.). Soil Solarization. CRC Press, Boston, U.S.A. **C-157**
11. Inbar, Y., Y. Chen, and Y. Hadar. 1991. Approaches to determining compost maturity. pp. 183-187. In: J. Goldstein (ed.) The Art and Science of Composting. JG Press, Emmanus, Pennsylvania.
12. Chen, Y., and Y. Inbar. 1993. Chemical and spectroscopic analyses of organic matter transformations during composting in relation to compost maturity. pp. 551-600. In: H.A.J. Hoitink and H.M. Keener (eds.) Science and Engineering of Composting: Design, Environmental, Microbiology and Utilization Aspects. Renaissance Publications, Worthington, OH, U.S.A. **C-241**
13. Inbar, Y., Y. Chen, and H.A.J. Hoitink. 1993. Properties for establishing standards for utilization of composts in container media. pp. 668-694. In: H.A.J. Hoitink and H.M. Keener (eds.) Science and Engineering of Composting: Design, Environmental, Microbiology and Utilization Aspects. Renaissance Publications, Worthington, OH, U.S.A. **C-77**
14. Chen, Y. 1994. Electron microscopy techniques applied to soil organic matter and soil structure studies. Fifteenth World Congress of Soil Science, Vol. 3a, pp. 85 - 99, International Society of Soil Science, Acapulco, Mexico.
15. Chen, Y, H. Magen, and Y. Riov. 1994. Humic substances originating from rapidly decomposing organic matter: Properties and effects on plant growth. pp. 427-443. In: N. Senesi and T.M. Miano (eds.) Humic Substances in the Global Environment and Implications on Human Health, Elsevier Science, Amsterdam, The Netherlands. **C-96**
16. Chen, Y. 1996. Organic matter reactions involving micronutrients in soils and their effect on plants. pp. 507-530 In: A. Piccolo (ed.) Humic Substances in Terrestrial Ecosystems. Elsevier Science B.V., Amsterdam, The Netherlands. **C-91**
17. Chen, Y., B. Chefetz, and Y. Hadar. 1996. Formation and properties of humic substance originating from composts. pp. 382-393. In: M. de Bertoldi, P. Sequi, B. Lemmes and T. Papi (eds.) The Science of Composting. Blackie Academic & Professional, Glasgow U.K. **C-62**
18. Chen, Y., Y. Inbar, B. Chefetz and Y. Hadar. 1997. Composting and recycling of organic waste. pp. 341-362. In: D. Rosen, E. Tel-Or, Y. Hadar and Y. Chen (eds.) Modern Agriculture and the Environment. Kluwer Academic Publishers, Dordrecht, The Netherlands. **C-39**
19. Chen, Y. 1998. Electron microscopy of soil structure and soil components. In: P.M. Huang, N. Senesi and J. Buffle (eds.) Structure and Surface Reactions of Soil Particles. IUPAC Series on Analytical and Physical Chemistry of Environmental Systems. Vol. 4. John Wiley & Sons, New York, U.S.A.

20. Clapp, C.E., Y. Chen, M.H.B. Hayes and H.H. Cheng. 2001. Plant growth promoting activity of humic substances. pp. 243-255. In: R.S. Swift and K.M. Spark (Eds.) *Understanding and Managing Organic Matter in Soils, Sediments and Waters*. International Humic Substances Society. **C-78**
21. Chen, Y. and M. Shenker. 2003. Agronomic approaches for increasing iron availability to food crops. In: I. Cakmak (Ed.) *Impacts of Agriculture on Human Health and Nutrition*, Encyclopedia of Life Support Systems (EOLSS), UNESCO.
22. Chen, Y., M. De Nobili and T. Aviad. 2004. Stimulatory effects of humic substances on plant growth. pp. 103-129 In: F.R. Magdoff and R.R. Weil (Eds.) *Soil Organic Matter in Sustainable Agriculture*. CRC Press, New York, U.S.A. **C-211**
23. Tarchitzky, J. and Y. Chen. 2004. Perborates: The Environmentally Problematic Bleaching Agents. pp. 645-662 In: U. Zoller (Ed.) *Handbook of Detergents*. Marcel Decker, Inc., New York.
24. Kaschl, A., and Y. Chen. 2005. Interaction of humic substances with trace metals. pp. 83-113 In: Perminova, I.V., Hatfield, K and Hertkorn, N. (Eds.) *Use of Humic Substances to Remediate Polluted Environments: From Theory to Practice*. NATO Science Series IV, Earth and Environmental Sciences, Vol. 52, Springer, Dordrecht, The Netherlands.
25. Chen, Y., G. Abbt-Braun, P. Gat and F.H. Frimmel. 2006. Metal binding by humic substances and dissolved organic matter derived from compost. pp. 275-297 In: I. Twardowska, H.E. Allen and M.M. Haggblom (Eds.) *Viable Methods of Soil and Water Pollution Monitoring, Protection and Remediation*. Springer (NATO Publishing Unit), Dordrecht, The Netherlands.
26. Chen Y. and J. Tarchitzky. 2008. Organo-mineral complexes and their effects on the physico-chemical properties of soils. pp. xxx, In D.A. Laird and J. Cervini-Silva (Eds.) *Carbon Stabilization by Clays in the Environment*. CMS Workshop Lectures, Vol. 16, The Clay Minerals Society, Chantilly, VA, U.S.A.
27. Dosoretz, C.G., J. Tarchitzky, I. Katz, E. Kenig and Y. Chen. 2008. Development and effects of a fouling layer in distribution and irrigation systems applying treated wastewater effluents. pp. xxx in G.J. Levy, P. Fine and A. Bar-Tal (Eds.) *Wastewater Use in Agriculture*. Blackwell Publishing Ltd., Oxford, U.K.
28. Chen, Y., C. Dosoretz, I. Katz, B. Marschner, E. Jueshke and J. Tarchitzky. 2008. Organic matter in wastewater and treated wastewater irrigated soils. pp. xxx in G.J. Levy, P. Fine and A. Bar-Tal (Eds.) *Wastewater Use in Agriculture*. Blackwell Publishing Ltd., Oxford, U.K.
29. De Nobili, M., M. Contin and Y. Chen. 2009. Carbon sequestration in soil. Chapter 5, p. 183 In P.M. Huang B.Xing and N. Senesi (Eds.). *Biophysico-Chemical Processes Involving Natural Non-living Organic- Matter in Environmental Systems*. IUPAC Series, John Wiley & Sons, Hoboken, NJ, U.S.A.

30. Chen, Y. and M. Shenker. 2008. Agronomic approaches for increasing iron availability to food crops. pp. 339-362 In: Impacts of Agriculture on Human Health and Nutrition, Vol. 1. Ismail Cakmak and Ross M. Welch (eds.), in Encyclopedia of Life Support Systems (EOLSS), Developed under the Auspices of the UNESCO, Eoless Publishers, Oxford, UK. ISBN-978-84826-093-1 (e-Book Adobe Reader)
31. Chen Y. and J. Tarchitzky. 2009. Organo-mineral complexes and their effects on the physico-chemical properties of soils. In CMS Workshop Lectures, Vol. 16, Carbon Stabilization by Clays in the Environment: Process and Characterization Methods. D.A. Laird and J. Cervini-Silva, eds. The Clay Minerals Society, Chantilly, VA, U.S.A. pp. 32-49.
32. Chen, Y. and J. Tarchitzky. 2010. Wastewater for irrigation. Encyclopedia of Soil Science. Editor: Rathan Lal. Taylor & Francis Group. New York, USA, 1: 1, 1-5.
33. Dosoretz, C.G., J. Tarchitzky, I. Katz, E. Kenig and Y. Chen. 2011. Fouling in microirrigation systems applying treated wastewater effluents. pp. 328-350. In G.J. Levy, P. Fine and A. Bar-Tal (Eds.) Treated Wastewater in Agriculture: Use and Impacts on the Soil Environment and Crops. Blackwell Publishing Ltd., Oxford, U.K.
34. Chen, Y., C. Dosoretz, I. Katz, B. Marschner, E. Jueshke, B. Marschner and J. Tarchitzky. 2008. Organic matter in wastewater and treated wastewater irrigated soils: properties and effects. pp. 400-417, In G.J. Levy, P. Fine and A. Bar-Tal (Eds.) Treated Wastewater in Agriculture: Use and Impacts on the Soil Environment and Crops. Blackwell Publishing Ltd., Oxford, U.K.
35. Chen, Y., and J. Tarchitzky. 2020. Utilization of treated wastewater for irrigation of agricultural crops. Encyclopaedia of Water: Science, Technology and Society. Wiley, New York. (in press).

Chapters in Books and Proceedings (* reviewed)

1. Chen, Y., A. Banin, and Y. Ataman. 1980. Characterization of particles and pores, hydraulic properties and water-air ratios of artificial growth media and soils. Proc. 5th International Congress on Soilless Culture. Wageningen, The Netherlands.p. 63-82. *
2. Chen, Y., and P. Barak. 1983. Iron enriched peat and lignite as iron fertilizers. pp. 195-202. In: Proc. 2nd Intl. Symp. on Peat in Agriculture, Bet-Dagan, Israel. *
3. Chen, Y., Y. Inbar, and M. Raviv. 1983. Slurry produced by methanogenic fermentation of cow manure as a peat substitute in horticulture. pp. 297-316. In: Proc. 2nd Intl. Symp. on Peat in Agriculture. Bet-Dagan, Israel. *
4. Chen, Y., A. Banin, and A. Borochovitsh. 1984. Effect of potassium on soil structure in relation to hydraulic conductivity. pp. 135-150. In: E.B.A. Bisdom (ed.) Submicroscopic Studies of Soils. Elsevier Sciences Publishers, Amsterdam, The Netherlands (reprinted from Geoderma 30). *

5. Raviv, M., Z. Geler, S. Medina, E. Putievski, Y. Chen, and Y. Inbar. 1984. Slurry produced by methanogenic fermentation of cow manure as a growth medium for some horticultural crops. pp. 317-319. In: Proc. 2nd Intl. Symp. on Peat in Agriculture, Bet-Dagan, Israel. *
6. Raviv, M., S. Medina, Y. Chen, Y. Inbar, and Z. Geler. 1986. Changes in the chemical and horticultural properties during composting of slurry produced by methanogenic fermentation of dairy cow manure. pp. 377-382. In: DeBertoldi, M., M.P. Feranti, P. L'Hermite, and F. Zucchini (ed.). Compost: Production, Quality and. Elsevier, Science Publishers, Amsterdam, The Netherlands.
7. Shenker, M., Y. Chen, and S. Gazit. 1991. Iron deficiency in mango. I. New approaches to fertilization. pp. 331-338. In: Y. Chen and Y. Hadar (ed.) Iron Nutrition and Interactions in Plants. Kluwer Academic Press. The Netherlands. *
8. Shenker, M., Y. Chen, and S. Gazit. 1991. Iron deficiency in mango. II. Uptake mechanisms. pp. 338-344. In: Y. Chen and Y. Hadar (ed.) Iron Nutrition and Interactions in Plants. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
9. Bar-Ness, E., Y. Chen, Y. Hadar, H. Marschner, and V. Romheld. 1991. Siderophores of *Pseudomonas putida* as an iron source for dicot and monocot plants. (same as in Plant and Soil 130:231-242). pp. 271-281. In: Y. Chen and Y. Hadar (ed.) Iron Nutrition and Interactions in Plants. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
10. Bar-Ness, E., and Y. Chen. 1991. Manure and peat based on iron-organo complexes: I. Characterization and enrichment. (same as in Plant and Soil 130:35-44). pp. 37-45. In: Y. Chen and Y. Hadar (ed.) Iron Nutrition and Interactions in Plants. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
11. Bar-Ness, E., and Y. Chen. 1991. Manure and peat based on iron-organo complexes: II. Transport in soils. (same as in Plant and Soil 130:45-50). pp. 47-52. In: Y. Chen and Y. Hadar (ed.) Iron Nutrition and Interactions in Plants. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
12. Sequi, P., A. Benedetti, M.L. Bouguerra, Y. Chen, D. Johnson, D. Kotzia, and L. Villas-Boas. 1992. Agriculture and pollution of fresh water and of the Mediterranean Sea. pp. 29-45 In: I. Bertini and Scorrano (eds.) Depollution Planning of the Mediterranean Sea. Proc. Workshop Societa Chimica Italiana, C.N.R. Committee for Chemical Sciences. Pisa, Italy.
13. da Silva, F.F., R. Wallach, and Y. Chen. 1993. A dynamic approach to irrigation scheduling in container media. pp. 183-297. In: E. Kenig (ed.) Proc. 6th Intl. Conference on Irrigation, Agritech, Israel.

14. da Silva, F.F., R. Wallach, and Y. Chen. 1993. Hydraulic properties of sphagnum peatmoss and tuff (scoria) and their potential effects on water availability. pp. 569- 576. In: M.A.C. Fragoso and M.L. Beusichem (eds.) Optimization of Plant Nutrition, Kluwer Academic Publishers, Dordrecht, The Netherlands. * C-96
15. Chefetz, B., Y. Chen, and Y. Hadar. 1996. Municipal solid waste composting: chemical and biological analysis of the process. pp. 1105-1108. In: M. de Bertoldi, P. Sequi, B. Lemmes and T. Papi (eds.) The Science of Composting. Blackie Academic & Professional, Glasgow, U.K. *
16. Ben-Dor, E., Y. Inbar and Y. Chen. 1996. The effect of organic matter aging on its spectral reflectance characteristics (400-2,500 nm) during a controlled decomposition process. Vol. II, pp. 30-35. In: Proc. Eleventh Thematic Conference on Geologic Remote Sensing: Practical Solutions for Real World Problems. Las Vegas, Nevada, U.S.A.
17. Drozd, J., A. Jezierski and Y. Chen. 1997. Chemical and electron spin resonance properties of municipal solid waste composts. pp. 395-400. In: D. Rosen, E. Tel-Or, Y. Hadar and Y. Chen (eds.) Modern Agriculture and the Environment. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
18. Cohen, R., B. Chefetz, Y. Chen and Y. Hadar. 1997. Suppression of soil-borne pathogens by composted municipal solid waste. pp. 113-130, In: S. Brown, J.S. Angle and L. Jacobs (Eds.) Beneficial co-utilization of agricultural, municipal and industrial by-products. Kluwer Academic Publishers, Dordrecht, The Netherlands. *
19. Chen, Y., B. Chefetz, F. Adani, P. Genevini and Y. Hadar. 1998. Organic matter transformation during composting of municipal solid waste. pp. 155-182. In: Drozd J, S.S. Gonet, N. Senesi and J. Weber (Eds.) The Role of Humic Substances in the Ecosystems an in Environmental Protection. PTSH, Wroclaw, Poland. *
20. Chefetz, B. J. Tarchitzky, N. Benny, P. Hatcher, J. Bortiatynski and Y. Chen. 1998. Characterization and properties of humic substances originating from an activated sludge wastewater treatment plant. pp. 69-78, In: Davies, G., and E. Gabbour (Eds.) Humic Substances: Structure, Properties and Uses. The Royal Society of Chemistry. Cambridge, United Kingdom.
21. Clapp, C.E., R. Liu, V.M. Cline, Y. Chen and M.H.B. Hayes. 1998. Humic substances for enhancing turf grass growth. pp. 227-234, In: Davies, G., and E. Gabbour (Eds.) Humic Substances: Structure, Properties and Uses. The Royal Society of Chemistry. Cambridge, United Kingdom.
22. Kaschl, A., Y. El Nahhal, T. Abu Mourad, K. Tubail, J. Safi, Y. Hadar, Y.Chen and V. Römheld. 1998. Long-term field experiment to examine the agricultural application of municipal solid waste compost in the Gaza Strip. pp. 251-254 In: Proc. 110 VDLUFA-Kongress, Giessen, Germany.

23. Chen, Y., B. Chefetz and Y. Hadar. 1999. Recycling of agricultural and municipal wastes. pp: 231-240. In: Kimazawa, K. (Ed.) Proc. Intl. Symposium of Bio-Recycling/Composting. Sapporo, Japan. *
24. Kaschl, A., V. Romheld, Y. Hadar and Y. Chen. 1999. Cadmium binding by fractions of organic matter extracted from municipal solid waste compost. P. 696-697. In: Proceedings 5th International Conference on the Biogeochemistry of Trace Elements, Vienna, Austria. *
25. Chen, Y., C.E. Clapp, H. Magen and V.W. Cline. 2000. Stimulation of plant growth by humic substances: Effects on iron availability. pp. 255-263, In: Davies, G., and E. Gabbour (Eds.) Understanding Humic Substances: Advanced Methods, Properties and Applications. The Royal Society of Chemistry. Cambridge, United Kingdom. **C-40**
26. Chen, Y., B. Chefetz and Y. Hadar. 2000. Recycling of agricultural and municipal wastes. pp. 53-58 In: Z. Varanini and R. Pinton (Eds.) Proceedings of the XVII Congress of the Italian Society of Agricultural Chemistry, Portoferraio, Italy
27. Chen, Y., J. Tarchitzky, N. Benny, U. Yermiyahu and R. Keren. 2000. Boron sorption of humic substances originating from soil, composts and wastewaters, and its uptake by plants. pp. 53-56, In: Proceedings of the 10th International Meeting of the International Humic Substances Society – Vol. 1, Toulouse, France. *
28. Chefetz, B., J. Tarchitzky, A.P. Deshmukh, Y. Chen and P.G. Hatcher. 2000. Structural characterization of humic substances in particle size fraction of agricultural soil. pp. 165-166, In: Proceedings of the 10th International Meeting of the International Humic Substances Society – Vol. 1, Toulouse, France. *
29. Kaschl, A., V. Römheld, Y. Hadar and Y. Chen. 2000. Binding of copper by organic matter fractions from municipal solid waste compost. pp. 511-514, In: Proceedings of the 10th International Meeting of the International Humic Substances Society – Vol. 1, Toulouse, France. *
30. Clapp, C.E., Y. Chen, V.W. Cline, A.J. Palazzo and R.H. Dowdy. 2000. Plant growth stimulation by humic substances. pp. 895-896, In: Proceedings of the 10th International Meeting of the International Humic Substances Society – Vol. 2, Toulouse, France. *
31. Tarchitzky, J and Y. Chen. 2000. Humic substances and pH effects of clay dispersion and hydraulic conductivity of soils. pp. 911-913, In: Proceedings of the 10th International Meeting of the International Humic Substances Society – Vol. 2, Toulouse, France. *
32. Kaschl, A., E. Neumann, Y. Chen and V. Romheld. 2001. Agricultural application of municipal solid waste compost in the Gaza Strip: *in situ* measurement of nutrient and heavy metal leaching. p. 988-989. In: W.J. Horst et al. (Eds.) Plant Nutrition – Food Security and Sustainability of Agro-Ecosystems. Kluwer Academic Publishers, Dordrecht, The Netherlands. *

33. Chen, Y., H. Magen and C.E. Clapp. 2001. Plant growth stimulation by humic substances and their complexes with iron. pp. 1-14 In: Proceedings of The Dalia Greidinger Symposium, Lisbon, Portugal. The International Fertiliser Society. * **C-50**
34. Yermiyahu, U., R. Keren and Y. Chen. 2001. Boron uptake by plants as affected by organic matter. In: Proceedings of the XIV International Plant Nutrition Colloquium, Hanover, Germany.
35. Drozd, J., Y. Chen, E. Jamroz and M. Licznar. 2001. Characteristics of humic substances during composting of municipal wastes. pp: 175-179 In: R.S. Swift and K.M. Spark (Eds.) Understanding and Managing Organic Matter in Soils, Sediments and Waters. International Humic Substances Society Inc., USA. *
36. Abbt-Braun, G., F.H. Frimmel, Y. Chen, B. Chefetz and Y. Hadar. 2001. Transformation of organic matter to humic substances in composted municipal solid waste. pp: 187-194 In: R.S. Swift and K.M. Spark (Eds.) Understanding and Managing Organic Matter in Soils, Sediments and Waters. International Humic Substances Society Inc., USA. *
37. Schmitt-Kopplin, P., N. Hertkorn, A. Kettrup, J. Junkers, G. Ping, Y. Zhang, M. Perdue and Y. Chen. 2002. Capillary zone electrophoresis – electrospray ionization/mass spectrometry (CZE-ESI/MS) of natural organic matter (NOM). pp. 179-181 In: Humic Substances: Nature's Most Versatile Materials, Proceedings of the International Humic Substances Society 20th Anniversary Conference, Boston, U.S.A.
38. Abbt-Braun, G., D. Schmitt, F.H. Frimmel, Y. Chen and Y. Hadar. 2002. Metal complexation of water soluble organic matter from composted municipal solid waste (MSW). pp. 252-254. In: Humic Substances: Nature's Most Versatile Materials, Proceedings of the International Humic Substances Society 20th Anniversary Conference, Boston, U.S.A.
39. Catalano, L., M. De Nobili, H. Siebner-Freibach and Y. Chen. 2002. Effect of humic substances on the behavior of iron siderophores in soil and water. pp. 268-270 In: Humic Substances: Nature's Most Versatile Materials, Proceedings of the International Humic Substances Society 20th Anniversary Conference, Boston, U.S.A.
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- Silva (Eds.) Humic Substances and Soil and Water Environment, Proceedings of the XII International Meeting of the International Humic Substances Society, Sao Paulo, Brazil. *
43. Jueschke, E., B. Marschner, J. Tarchitzky and Y. Chen. 2004. Chemical and biological aspects of effluent irrigation on organic soil components. pp. 198-199 In: L. Martin-Neto, D.M.B.P. Milori and W.T.L. da Silva (Eds.) Humic Substances and Soil and Water Environment, Proceedings of the XII International Meeting of the International Humic Substances Society, Sao Paulo, Brazil. *
 44. Silber A., B. Bar-Yosef, A. Singer and Y. Chen. 2005. Mineralogical and chemical compositions of tuffs from Mt. Peres. pp. 343-356 In: M. Reuveni, and M. Livneh (Eds.) Advances in the Golan Heights Research: Man and Landscape. Ramot Publishing, Tel Aviv University.
 45. Chen, Y., J. Tarchitzky and O. Markovitch. 2006. Organic matter transformations during the composting of biosolids. pp. 73-76 In: F.H. Frimmel and G. Abbt-Braun (Eds.) Humic Substances – Linking Structure to Functions, Proceedings of the XIII International Meeting of the International Humic Substances Society, Karlsruhe, Germany. *
 46. Arye, G., J. Tarchitzky, G. Kozikaro, I. Nadav and Y. Chen. 2006. Effluent organic matter effects on soil hydrophobicity and hydraulic properties of a soil-aquifer-treatment (SAT) infiltration basin. pp. 173-176 In: F.H. Frimmel and G. Abbt-Braun (Eds.) Humic Substances – Linking Structure to Functions, Proceedings of the XIII International Meeting of the International Humic Substances Society, Karlsruhe, Germany. *
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 48. Adin, A., Y. Chen and R. Berenstein. 2007. Electrocoagulation of humic acid and its effect on membrane fouling reduction. Proceedings of the International Water Association International Conference on Particle Separation, Toulouse, France.
 49. Chen, Y. 2008. Modern Agriculture and Environmental Quality: is Harmonious Coexistence a Feasible Option? Dr. Honoris Causa, Wroclaw University of Environmental and Life Sciences, Wroclaw, Poland.
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