

2003-2005
**Scientific Presentations at Various International, National, and
Regional Conferences**

By Prof. Prasanta C. Bhowmik
University of Massachusetts Amherst, MA 01003

2005

International

Bhowmik, P. C. 2005. Implications of allelopathy in pest management. XVII International Botanical Congress, July 17-21, 2005, Vienna, Austria. Abstract. Abstr. no. 5.13.7, pp. 90 www.abc2005.ac.at

Bhowmik, P. C. 2005. Global implications of herbicide resistant weeds and crops. First International Weed Science Seminar on Innovative Approaches for Eco-safety Weed Management. January 21-24, 2005. Proc. of the Seminar, Pp. xii – xxxiii. West Bengal Weed Science Society, BCKV, and East India Pesticide Association

Mitra, S. and P. C. Bhowmik. 2005. Root pruning preemergence herbicides affect root development of Kentucky bluegrass. 10th. International Turfgrass Society Conference, July 10-16, 2005, Wales, England. (Presented by Mitra)

National

Ghosh, S., S. Kang, P. C. Bhowmik, B. Xing. 2005. Structural characterization of adsorbed humic acid by minerals. American Chemical Society, Division of Agrochemicals, 230th ACS National Meeting, PICOGRAM and Abstracts. Abstract no. 182, pp. 85

Tharayil, N., P. C. Bhowmik and B. Xing. 2005. Bioavailability of phytotoxins in multistate systems as influenced by soil competitive sorption properties. 230th American Chemical Society National Meeting, Div. of Agrochemicals. August 28 - September 1, 2005. Washington DC. (Presented by Tharayil)

Sanyal, D., P. C. Bhowmik and H. K. Abbas. 2005. Surfactant and dew period affect biocontrol activity of *Alternaria helianthi* on multiple-seeded cocklebur. 45th Annual Meeting of the Weed Science Society of America, February 7-10, 2005, Honolulu, Hawaii. Abstr. no. 347, pp. 104 (Presented by Sanyal)

Sanyal, D., P. C. Bhowmik and K. N. Reddy. 2005. Primisulfuron activity on green foxtail as influenced by surfactants. 45th Annual Meeting of the Weed Science Society of America, February 7-10, 2005, Honolulu, Hawaii. Abstr. no. 388, pp. 116 (Presented by Sanyal)

Tharayil, N., P. C. Bhowmik and B. Xing. 2005. Bioavailability of phytotoxins in multistate systems as influenced by soil competitive sorption properties. 230th

Poster presentation

Sarkar, S., B. Xing and P. C. Bhowmik. 2005. Structural characterization of adsorbed humic acid by minerals. 230th American Chemical Society National Meeting, Div. of Agrochemicals. August 28 - September 1, 2005. Washington DC. (Presented by Ghosh)

Northeast Regional

Bhowmik, P. C., N. Tharayil-Santhakumar and D. Sanyal. 2005. Characteristics and significance of mile-a-minute: An invasive species. 59th Annual Meeting of the Northeastern Weed Science Society, January 3-6, 2005, Washington, DC. Abstract no. 59:135

Sanyal, D. and P. C. Bhowmik. 2005. Activity of primisulfuron on common lambsquarters as affected by surfactants. 59th Annual Meeting of the Northeastern Weed Science Society, January 3-6, 2005, Washington, DC. Abstract no. 59:1 (Presented by Sanyal)

2004

International

Bhowmik, P. C. 2004. Cool-season turfgrass: Weed management strategies. Fourth International Weed Science Society Congress, Durban, South Africa. Abstr. no. S11 MT 25PO1, pp. 37

Inderjit, H. Kauer, and P. C. Bhowmik. 2004. Potential management alternative for littleseed canarygrass (*Phalaris minor* Retz.) in wheat fields. Fourth International Weed Science Society Congress, Durban, South Africa. Abstr. no. S15 MT08POO, pp. 49

Mitra, S., P. C. Bhowmik, R. P. Crockett, and D. C. Riego. 2004. Sulfonylurea: A new herbicide for weed control in warm-season turfgrasses. Fourth International Weed Science Society Congress, Durban, South Africa. Abstr. no. S15 MT25POO, pp. 59

Northeast Regional

Bhowmik, P. C. and R. S. Chandran. 2004. Current status and significance of giant hogweed. 58th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Cambridge, MA. Abstract no. 58:90.

Bhowmik, P. C., S. Ghosh, N. Tharayil-Santhakumar, and D. Loughner. 2004. Management options for broadleaf weeds in cool-season turfgrass. 58th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Cambridge, MA. Abstract no. 58:129.

Sanyal, D., K. N. Reddy, and P. C. Bhowmik. 2004. Leaf-surface micro-morphology of common lambsquarters, common purslane, and velvetleaf. 58th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Cambridge, MA. 58:14.

Bhowmik, P. C., D. Smith, D. Sanyal, and E. McGlew. 2004. Rotational crop response to mesotrione use in field corn. 58th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Cambridge, MA. Abstract no. 58:127

Bhowmik, P. C., N. Tharayil-Santhakumar, and D. Sanyal. 2004. Characteristics and significance of Japanese knotweed: An invasive species. 58th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Cambridge, MA. Abstract no. 58:159.

2003

International

Bhowmik, P. C. and C. X. Zhang. 2003. Potential use of mesotrione in controlling annual weed species in maize (*Zea mays*). 19th Asian-Pacific Weed Science Society Conference, March 17-21, Manila, Philippines.

Bhowmik, P. C. and D. Riego. 2003. Management strategies for transgenic creeping bentgrass (*Agrostis palustris*) resistant to glyphosate. 19th Asian-Pacific Weed Science Society Conference, March 17-21, 2003, Manila, Philippines.

National

Bhowmik, P. C. and D. Sanyal. 2003. Annual weed control with mesotrione in field corn (*Zea mays*). 43rd. Annual Meeting of the Weed Science Society of America, February 10-14, 2003, Jacksonville, FL, Abstr. No. 245.

Northeast Regional

Bhowmik, P. C., E. McGlew, D. Sanyal and J. D. Smith. 2003. Annual weed control with mesotrione in field corn. 57th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Baltimore, MD. Abstract no. 57:14.

Bhowmik, P. C. and D. C. Riego. 2003. Management alternatives for glyphosate resistant creeping bentgrass. 57th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Baltimore, MD. Abstract no. 57:114.

Bhowmik, P. C., C. S. Hollingsworth and J. Levassuer. 2003. Nature and distribution of giant hogweed: An invasive species. 57th. Annual Meeting of the Northeastern Weed Science Society, January 5-8, 2004, Baltimore, MD. Abstract no. 57:118.