**C.V.**

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(a) Professional Preparation

Michigan State University Crop Science B.S. 1978

Michigan State University Soil Science M.S. 1981

University of Florida Agronomy Ph.D. 1986

**(b) Appointments**

South Dakota State University Professor 2002-present

South Dakota State University Associate Professor 1995-2002

South Dakota State University Assistant Professor 1991-1995

University of Notre Dame Postdoctoral Scientist 1991

University of Idaho Postdoctoral Scientist 1987-1990

University of Wisconsin, Milwaukee Postdoctoral Scientist 1986-1987

**Professional Associations** AAAS, American Society for Microbiology,

**(c) Selected Publications:**

* Murthy NKS, Bleakley BH. 2012. Simplified method of preparing colloidal chitin used for screening of chitinase-producing microorganisms. The Internet Journal of Microbiology 10: online at [http://www.ispub.com/journal/the-internet-journal-of-microbiology/volume-10-number-2/simplified-method-of-preparing-colloidal- chitin-used-for-screening-of-chitinase-producing-microorganisms.html](http://www.ispub.com/journal/the-internet-journal-of-microbiology/volume-10-number-2/simplified-method-of-preparing-colloidal-%20%20%20%20%20%20%20%20%20%20chitin-used-for-screening-of-chitinase-producing-microorganisms.html)
* Gupta D, Bleakley B, Gupta RJ. 2011. Phytochemical analysis and antioxidant activity of herbal plant *Doronicum hookeri* Hook f. (Asteraceae). Journal of Medicinal Plants Research 5:2736-2742.
* Bleakley BH, Crawford DL. 2010. Exchange of a Conjugative Plasmid At Different Soil Moisture Levels Between *Streptomyces* Species Colonizing Artificial Soil Aggregates. The Internet Journal of Microbiology 8: online at [http://www.ispub.com/journal/the\_internet\_journal\_of\_microbiology/volume\_8\_number\_2\_24/article\_printable/exchange-of-a- conjugative-plasmid-at-different-soil-moisture-levels-between-streptomyces-species-colonizing-artificial-soil-aggregates.html](http://www.ispub.com/journal/the_internet_journal_of_microbiology/volume_8_number_2_24/article_printable/exchange-of-a-%20conjugative-plasmid-at-different-soil-moisture-levels-between-streptomyces-species-colonizing-artificial-soil-aggregates.html)

\*Bleakley, B.; and T. Trooien. 2010. Microbial and Chemical Indicies of Soils and Water Associated with Vegetated Treatment Areas(VTAs) from Two Concentrated Animal Feeding Operations (CAFOs) in South Dakota. Online; at <http://water.usgs.gov/wrri/10grants/progress/2010SD171B.pdf>

\*Troelstrup, N.H. Jr., B.H. Bleakkley, and E. Jorgenson. 2005. Fecal coliform strain identification project: final project completioni report. South Dakota Water Resource Assistance Program Division of Financial and Technical Assistance South Dakota Department of Environment and Natural Resources; online at <http://denr.sd.gov/dfta/wp/P2/Documents/FecalStrainID.pdf>

\*Chintala, R., T. Schumacher, , K. Sandeep, D. Malo, J. Rice, B. Bleakley, G. Chilom, J. Julson, S.K. Papiemik, D. Clay, and Z. Gu. 2014. Molecular Characterization of Biochars and Their Influence on Microbiological Properties of Soil. Journal of Hazardous Materials 279:244–256

\*Chintala, R., R. K. Owen, T.E. Schumacher, K.A. Spokas, L.M. McDonald, S. Kumar, D.E. Clay, D.D. Malo, & B. Bleakley. 2015. Denitrification kinetics in biomass- and biochar-amended soils of different landscape positions. Environ Sci Pollut Res. 22:5152-5163.

* Murthy NKS, Bleakley BH, Speidel R. 2011. Partial characterization of chemoheterotrophic, mesophilic bacterial isolates from a pigmented biofilm in the Homestake Gold Mine. Abstract P99; in SIM Annual Meeting and Exhibition Abstracts; online at <http://sim.confex.com/sim/2011/webprogram/meeting.html>
* Gupta D, Bleakley B, Gupta RK. 2008. Dragon’s blood: botany, chemistry and therapeutic uses. J. Ethnopharmacol. 115:361-380
* Yuen GY, Jochum CC, Ruden KR, Sweets LE, Bleakley BH, Draper MA. 2006. Results from the standardized evaluation of biological agents for the control of Fusarium Head Blight on wheat and barley. *In* Canty, SM, Clark A, Van Sanford D. (Eds.), Proceedings of the National Fusarium Head Blight Forum, 2006 Dec. 10-12, Research Triangle Park, North Carolina, pp. 27-30.

 **(d) Synergistic Activities**

* Collaborate with other SDSU Biology Microbiology Dept. faculty to revise and alter curriculum for introductory microbiology course
* Participated in NSF REU program as mentor for undergraduate student in the Summers of 2010 to 2012; and 2014 and 2015.
* Have had 24 different undergraduate students conduct research projects in my SDSU research laboratory since 1991. Four have won undergraduate research awards sponsored by SDSU.
* DUSEL/Homestake Mine workshop state organizing committee-2008
* *Ad hoc* reviewer for International Biodeterioration & Biodegradation; Plant Disease; Journal of Basic Microbiology;