

CURRICULUM VITAE

CHRISTOPHER MICHAEL HURDZAN

Hurdzan Golf Course Design

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UNIVERSITY EDUCATION

2011 **Master of Business Administration**

- Finance specialization
- Capital University
- Notable Coursework: Investment Management, Financial Management, Financial Markets and Instruments, Managerial Economics, Organizational Behavior



2009 **Doctor of Philosophy**

- Toxicology
- Ohio State University
- Dissertation: *Chlorobenzene toxicity to Oligochaetes: mixtures and predictions*
- Notable Coursework: Environmental Toxicology and Chemistry, Ecological Engineering, Environmental Risk Assessment, Pesticides, Alternatives and the Environment



2008 **Bachelor of Science**

- Plant Science
- Ohio State University
- Notable Coursework: Plant Biology, Plant Physiology, Plant Pathology, Silviculture, Mycology, Turfgrass Management, Molecular Plant Pathology, Entomology (Turfgrass and Ornamentals), Principles of Weed Science



2006 **Master of Science**

- Soil and Environmental Chemistry
- Ohio State University
- Thesis: *Biodegradation and release of polycyclic aromatic hydrocarbons from natural organic matter surrogates*
- Notable Coursework: Soil Chemistry, Laboratory Methods of Soil Analysis, Microbial Ecology, Microbial Soil Ecology



2004 **Bachelor of Science**

- Environmental Science
- Ohio State University
- Notable Coursework: Environmental Science and Management,



Natural Resources Policy, Principles of Hydrology, Physical Geology, Water Resources, Pollutants in Soil and Water, Society, and Natural Resources, Communication of Environmental Information, Ecology, Hydrogeology, Ground Water Risk Assessment, Natural Resources Management, Wetland Ecology and Management, Rehabilitation and Restoration of Ecosystems, Chemistry of Natural and Polluted Waters, General Chemistry, Biochemistry, Organic Chemistry, Soil Fertility and Fertilizers, Basic and Practical Microbiology, Molecular Genetics, Environmental Economics

1999 Upper Arlington High School (Upper Arlington, OH)



INTERNSHIP

2008 **C. Wayne Ellett Plant and Pest Diagnostic Laboratory**

- Ohio State University
- Assignments: Plant pathogen (virus, fungi, bacteria, insect) identification using a variety of diagnostic techniques including ELISA, selective media, FAME analysis and light microscopy.

2003 **Golf Course Maintenance Staff**

- Golf Club of Dublin (OH)
- Assignments: Mowing, top dressing, fertilizing, pesticide application (backpack spray only), cup-setting, drag matting, hand watering.

2002 **Golf Course Construction Staff**

- Wadsworth Golf Construction Co.
- Golf Club of Dublin (OH)
- Assignments: Staking, shooting grades, trenching/mechanized tamping, drainage installation, irrigation repair, backhoe operation, loader operation, skid steer operation, tractor operation.



UNIVERSITY EXPERIENCE

2009 **Instructor**

- College of Biological Sciences
- Ohio State University
- Function: Design and teach a 10-week, case study based, conceptual examination of the putative effects of human activity (e.g., genetic modification, global warming, stem cells, organic farming) on the normal function of major human body systems (e.g., reproductive, endocrine).

2008 **Teaching Associate**

- Biology 114 (Form, Function, Diversity, Ecology)
- College of Biological Sciences

- Ohio State University
- Description: Exploration of biology and biological principles including evolution and speciation, diversity in structure, function, behavior and ecology among prokaryotes and eukaryotes.

2007 **Robert H. Edgerley Fellow**

- College of Biological Sciences
- Ohio State University

06-9 **Head Teaching Associate**

- College of Biological Science
- Ohio State University
- Biology 102 (Human Biology)
- Function: Chair a team of 6-10 TAs tasked with the instruction of human biology to a class of 400-500 students. Responsibilities include general administration, exam writing, recitation/laboratory instruction, TA evaluation and weekly meetings with the course instructor and course coordinator to discuss student progress and course direction.

2005 **Research Associate**

- Environmental Molecular Science Institute (EMSI)
- Department of Chemistry
- Ohio State University
- Principal Investigator: Patrick Hatcher, Ph.D. / Batten Endowed Chair in the Physical Sciences / Professor of Chemistry and Biochemistry / Exec. Dir. of the Virginia Coastal Energy Research Consortium / Old Dominion University
- Description of Organization: The result of a multi-million dollar grant awarded by the National Science Foundation (NSF) Division of Chemistry to the Ohio State University and several other institutions (e.g., Johns Hopkins University, Stanford University) to support "scientists seeking to distinguish, at the molecular level, between natural and human-caused environmental processes and foster collaborative research aimed at understanding the natural environment and addressing global environmental challenges."

PEER REVIEWED PUBLICATIONS

2010 Hurdzan, CM and RP Lanno. **"Predicting the Acute Lethality of A Chlorinated Benzene Mixture In Soils: A Comparison of Solid Phase Microextraction, Body Residue and Solvent Extraction"**

Toxicological and Environmental Chemistry 93:678-690

2009 Hurdzan, CM, RP Lanno and DM Sovic. **"Differential acute toxicity of tetrachlorobenzene isomers to Oligochaetes in soil and water: Application of the**

- critical body residue concept.”** Bulletin of Environmental Contamination and Toxicology 87:209-214.
- 2008 Hurdzan, CM and RP Lanno. **“Determining Exposure Dose in Soil: The Effect of Modifying Factors on Chlorinated Benzene Toxicity to Earthworms.”** Chemosphere 76:946-51
- 2008 Hurdzan, CM, OH Tuovinen, NT Basta and PG Hatcher. **“Screening for polycyclic aromatic hydrocarbon metabolism by human enteric microorganisms.”** Bulletin of Environmental Contamination and Toxicology 79:533-536.
- 2007 Hurdzan, CM, OH Tuovinen, NT Basta and PG Hatcher. **“Phenanthrene release from natural organic matter surrogates under simulated human gastrointestinal conditions.”** Ecotoxicology and Environmental Safety 69:525-530.

PROFESSIONAL AFFILITATIONS

- SETAC (The Society of Environmental Toxicology and Chemistry)
- Sigma Xi (The International Honor Society for Scientists and Engineers)
- Pi Epsilon (The Environmental Science Honor Soci ety)