CURRICULUM VITAE

Christopher Michael Hurdzan

Date of Birth:	July 20, 1981	**Office Phone:**	(614) 457-9955
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EDUCATION

2023 - present **Postgraduate Diploma**

- University of Edinburgh College of Medicine (Edinburgh, Scotland)
- Specialization: Clinical Microbiology and Infectious Diseases
- Example Coursework: Molecular Diagnostics of Infection, Anti-infective Therapy and Resistance, Clinical Syndromes and Infection, Introduction to Immunology, Laboratory Practice in Microbiology, Virology and Serology

2023 - present **Master of Medical Science**

- University of Florida College of Medicine (Gainesville, FL)
- Specialization: Medical Physiology and Gerontology
- Example Coursework: Renal Physiology, Clinical Neuroscience of Aging, Cardiovascular Physiology, Endocrine Physiology, Gastrointestinal Physiology, Biology of Aging

2021 - 2023 **Master of Jurisprudence**

- Texas A&M School of Law (College Station, TX)
- Specialization: Energy and Environmental Law
- Example Coursework: Contract Law, Property Law, Constitutional Law, Business Law, Water Law, Environmental Law, Air Law, Energy Law

2009 - 2011 **Master of Business Administration**

- Capital University School of Business (Cols. OH)
- Specialization: Finance
- Example Coursework: Investment Management, Financial Management, Financial Markets and Instruments, Managerial Economics

2007 - 2008 **Bachelor of Science**

- Ohio State University (Cols. OH)
- Major: Plant Science
- Example Coursework: Plant Biology, Plant Physiology, Plant Pathology, Silviculture, Mycology, Turfgrass Management, Molecular Plant Pathology

2006 - 2009 **Doctor of Philosophy**

- Ohio State University (Cols. OH)
- Field of Study: Toxicology
- Dissertation: *Chlorobenzene toxicity to Oligochaetes: mixtures and predictions*
- Major Advisor: R.P. Lanno; Professor of Ecotoxicology
- Example Coursework: Environmental Toxicology and Chemistry, Ecological Engineering, Environmental Risk Assessment

2004 - 2006 **Master of Science**

- Ohio State University (Cols. OH)
- Field of Study: Soil and Environmental Chemistry
- Thesis: *Biodegradation and release of polycyclic aromatic hydrocarbons from natural organic matter surrogates*
- Major Advisor: O.H. Tuovinen; Professor of Microbiology
- Example Coursework: Soil Chemistry, Laboratory Methods of Soil Analysis, Microbial Ecology, Microbial Soil Ecology

1999 - 2004 **Bachelor of Science**

- Ohio State University (Cols. OH)
- Major: Environmental Science
- Specialization: Water quality
- Example Coursework: Principles of Hydrology, Physical Geology, Hydrogeology, Ground Water Risk Assessment, Wetland Ecology and Management, Chemistry of Natural and Polluted Waters, General Chemistry, Biochemistry, Organic Chemistry, Soil Fertility and Fertilizers, Basic and Practical Microbiology, Molecular Genetics, Environmental Economics

1996 - 1999 **High School Diploma**

- Upper Arlington High School (Cols. OH)

EMPLOYMENT

2012 - present **Hurdzan Golf Course Design**
Managing Partner

1995 - 2011 **Hurdzan/Fry Golf Course Design**
Associate

2009 **Instructor**

- Ohio State University (Cols. OH)
- College of Biological Sciences
- Description: Designed and taught a one off, 10 week, evidence based examination of the effect(s) of select anthropogenic activities (e.g., genetic engineering, global warming, stem cells, organic farming) on major human body systems (e.g., reproductive, endocrine) over time.

2008 **Teaching Associate**

- Ohio State University (Cols. OH)
- College of Biological Sciences
- Course: Biology 114 (Form, Function, Diversity, Ecology)
- Description: Exploration of biology and biological principles including evolution and speciation, diversity in structure, function, behavior and ecology among prokaryotes and eukaryotes.

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

- Ohio State University (Cols. OH)
- College of Food, Agriculture and Environmental Sciences
- Assignment: Plant pathogen (i.e., virus, fungus, bacterium, insect) identification using a variety of diagnostic techniques including ELISA, selective media, FAME analysis and light microscopy.

2007 **Fellow**

- Robert H. Edgerley Environmental Toxicology Fellowship
- Ohio State University (Cols. OH)
- Awarded annually to one graduate student in the Natural and Mathematical sciences.

2006 and 2008 **Head Teaching Associate**

- Ohio State University (Cols. OH)
- College of Biological Sciences
- Course: Biology 102 (Human Biology)
- Assignment: Chair a cadre of 6-10 TAs instructing a class of 400-500 students on the subject of general human biology. Basic duties include exam writing, recitation/laboratory instruction, TA evaluation, weekly meetings with the course instructor and course coordinator to discuss student progress and course direction.

2005 - 2006 **Research Associate**

- Ohio State University (Cols. OH)
- College of Mathematics and Physical Sciences
- Department: Chemistry
- Laboratory: The Environmental Molecular Science Institute (EMSI). Principal Investigator: P.G. Hatcher; Professor of Chemistry and Biochemistry
- Description: 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."

May 2002 - September 2002 **Golf Club of Dublin (Dublin, OH)**

- Golf course maintenance internship
- Assignment: Mowing, top dressing, fertilizing, pesticide application, cup-setting, drag matting, hand watering

May 2001 - September 2001 **Wadsworth Golf Construction (Plainfield, IL)**

- Golf course construction internship
- Assignment: Staking, shooting grades, trenching/mechanized tamping, drainage installation, irrigation repair, backhoe operation, loader operation, skid steer operation, tractor operation.

SCIENTIFIC PUBLICATIONS

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.

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.

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

Hurdzan, CM, OH Tuovinen, NT Basta and PG Hatcher. **"Screening for polycydic aromatic hydrocarbon metabolism by human enteric microorganisms."** Bulletin of Environmental Contamination and Toxicology 79:533-536.

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 Society)
ICAA (The Institute of Classical Architecture and Art)