

Melody J. Feden

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Objective

To contribute my current experience and skills in Environmental Science and Toxicology as a part of your company, while developing my knowledge with hands on applied projects.

Highlight of Qualifications

- Educated specifically in Ecotoxicology, highly knowledgeable of risk assessment models
- Highly developed communication and interpersonal skills
- Extensive experience in evaluating data and completing reports

Education

Western Washington University, 2003-2008, 3.5 GPA

- Huxley College of the Environment, Bachelor of Science in Environmental Studies
- Emphasis in Environmental Toxicology with a Chemistry minor

Technical Skills

- Skilled with Microsoft Office Word, Excel, and Powerpoint 2007 and 2003
- Familiar with statistics software including: ToxCalc, MiniTab, and SPSS

Research Experience

Organism consideration in ecotoxicological testing: Enzyme response to PAH exposure in red and green autochthonous crabs (*Carcinus maenas*)

- Conducted with Lucia Guilhermino, CIIMAR, University of Porto, Portugal (2007)
- Collected from the field *Carcinus maenas* (European green crab), exposed organisms to PAHs, and maintained cultures during exposure.
- Using dissected tissues, assessed change in enzyme function such as catalase and glutathione reductase as a result of PAH exposure to identify useful biomarkers
- Collected and analyzed data using Microsoft Excel and Minitab

Environmental Challenge

- Participated in the Environmental Challenge at the Pacific Northwest regional (2007) and national (2008) Air and Waste Management Association (AWMA) meetings.
- Assigned a realistic but theoretical problem and formed student consulting group with the goal of researching, designing, and presenting a solution to the complex problem
- Social, economic, technical, and risk assessment components of the problem were researched and analyzed.
- A group of professional members judged the written proposals, posters, and oral presentations of student group solutions

Presentations and Reports

- Sigma Xi, Scholars week poster presentation in *Organism consideration in Ecotoxicological Testing*
- Senior report: *Organism Consideration in Ecotoxicological Testing*
- Environmental Impact Statement group paper and presentation on the proposed site of a new middle school in Bellingham, WA
- AWMA, PNWIS Chapter – oral presentation, Pacific Northwest International Section Annual Conference, Boise Idaho, October 17-19, 2007
- AWMA – poster and oral presentation, 101st Annual Conference and Exhibition, Portland,

Oregon, June 24-28, 2008

Professional Memberships and Conferences

Pacific Northwest Society of Environmental Toxicology and Chemistry (PNW-SETAC)

- 15th Annual Meeting, Port Townsend, Washington, April 13-15, 2006

Air and Waste Management Huxley Chapter (AWMA Huxley)

Awards and Achievements

- Dr Ming Ho Yu Award for Outstanding Toxicology Student of 2008, WWU
 - Honorable mention for WWU Sigma Xi Scientific Society and College of Science and Technology Scholars Week Poster Competition
 - First place in Environmental Challenge International as part of student team at AWMA Conference 2008
 - Third place in Environmental Challenge as part of student team at PNWIS-AWMA Conference 2007
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