



Gerald Presley
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Notice of Available Ph.D. Position Starting September 2022

The Oregon State University Biodeterioration Laboratory is seeking a Ph.D. student to perform research into the environmental impacts of creosote. The project will employ a combination of environmental monitoring, lab-based experimentation and modelling to both measure and enable predictions of the impacts of creosote-treated wood on aquatic and terrestrial ecosystems. The student will gain extensive experience using GC-MS to quantify polycyclic aromatic hydrocarbons (PAHs) from environmental samples. In addition, the student will be expected to develop a lab-scale leaching test to measure PAH migration rates from creosote-treated commodities. Finally, the student will be expected to develop excel-based predictive models to predict environmental PAH concentrations resulting from the presence of creosote-treated commodities in specific environments. A typical Ph.D. program in this field will run for four successive years.

Preferred Qualifications:

- 1) Master's degree in wood science, environmental chemistry, ecological engineering or related field
Or
Exceptional performance in a bachelor's degree program in the above disciplines
- 2) Experience working in an environmental chemistry laboratory
- 3) Experience making models in Excel

Please contact Dr. Gerald Presley for more information and application.
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