

University of British Columbia
Faculty of Forestry – Department of Forest Resources Management

JOB POSTING: Research Associate – Asia Forest Research Centre (Deadline: November 23, 2018)

The Asia Forest Research Centre, Department of Forest Resources Management at UBC-Vancouver Campus seeks a Research Associate to conduct the wildfire related studies funded by a Joint Research Program between UBC Forestry and Chinese research institute. This will include, but not limited to, wildfire temporal and spatial dynamic analysis, wildfire prediction (modeling) and prevention (fire management), wildfire smoke analysis and dispersion (modeling). The objective of this research is to support Chinese forest research institutes deeply understanding the future trend of wildfire, the potential changes in fire regimes and the ecological impacts in different ecosystems of China. The research will be conducted under the supervision of Dr, Guangyu Wang.

Responsibilities include:

1. Perform extensive literature reviews related to the wildfire prediction, management, modeling and ecological impacts;
2. Perform the analysis of spatial distribution and drivers of wildfire based on GIS and spatial statistic techniques;
3. Conduct wildfire smoke analysis, including physical and chemical properties;
4. Assess the effect of wildfire on atmospheric environment and forest ecosystems;
5. Assistance in field surveying;
6. Present results at national and international meetings;
7. Prepare internal annual reports and manuscripts for publication in high quality peer reviewed journals.

Qualifications required

Candidates must have a Ph.D. in Forest Science or closely related majors and 5 years of research experience in the fields of wildfire ecology and management, specifically, expertise in forest ecology, wildfire prediction, wildfire behavior, drivers and smoke components analysis. The candidate should have some wildfire related publications in high quality peer reviewed journals. The experience of hosting wildfire related programs would be beneficial for the successful application. In addition, the candidate should have strong skills in SPSS, GIS, SAS and MS Excel (including their associated plug-ins). Other requirements for successful applicants include good oral and written communication skills, the ability to work in a dynamic research team.

How to apply

The appointment will initially be for one year, with options for renewal subject to funding sources effective December 1, 2018. Please direct inquiries, and applications consisting of cover letter, current CV and contact information of three references to:

Dr. Guangyu Wang, Associate Dean
Forest Sciences Centre 2614
2424 Main Mall
Faculty of Forestry
University of British Columbia
Vancouver, BC, V6T 1Z4, Canada
e-mail: guangyu.wang@ubc.ca

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority.