

## Postdoc Position in Ocean Remote Sensing in British Columbia, Canada

Applications are being accepted for a Postdoctoral position at the University of Victoria, Department of Geography, under the supervision of Dr. Costa. It is preferential that the postdoc is based in Victoria, BC, however, due to Covid-19 restrictions, remote work will be considered. The focus of the research is to conduct an analysis of a large dataset of in situ hyperspectral reflectance data acquired with autonomous optical sensors installed on BC ferries. The research is expected to address the following:

1. *Spatial and Temporal analysis of high resolution in situ hyperspectral reflectance in dynamic complex coastal waters.* Task: Define the scales of spatial and temporal reflectance variability and implications for validation of ocean colour imagery and derive biogeochemical products. A large dataset comprising of 3 years of continuous data acquisition is available. (publication expected)
2. *Conduct inter-comparison of in situ reflectance data with Sentinel 3a and 3b, VIIRS, MODIS-Aqua, GOCI-OC using different processors (see Gianinni et al., 2021 in RSE).* (publication expected).

**Ideal qualifications:** A Ph.D. degree (completed by the time of appointment) in optical remote sensing and oceanography. Expertise in ocean colour remote sensing and *in situ* water spectroscopy is ideal. Other fields of expertise to be considered include oceanography, marine biogeochemistry, phytoplankton ecosystem ecology, scientific computing, and statistics.

**Technical skills required:** Programming skills (MATLAB®, Python, R), statistical analysis skills, satellite imagery processing, analysis of large multi-dimensional data sets.

**Application closure date:** March 29, 2021.

**Start date:** As soon as possible

**Position Length:** Two years, pending annual review

**Salary:** CAD 55,000

### Applicants must submit:

- A CV, including the e-mail and phone number for three references;
- A short cover letter explaining the applicant's motivation for working on the project and how previous experience qualifies them for this position;
- Reprints of 3 published papers, if available;

Equity and diversity are essential for 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 BC 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 Nations, Metis, Inuit, or Indigenous person.

### Submit applications to:

Maycira Costa ([maycira@uvic.ca](mailto:maycira@uvic.ca))