

**Fall Research Assistant (Paid): What evidence exists for the impacts of nature-based climate solutions and bird conservation in the urban forest?**

**Project Background:** There is global interest in finding innovative solutions that address current climate and societal challenges in an urban context. Cities are often on the front lines of environmental change, meaning urban greening strategies have high potential to provide benefits across human communities, while protecting global biodiversity. Effective approaches to urban forest management have the potential to promote other forms of urban biodiversity, particularly birds and species at risk. However, studies that integrate strategies for both climate and biodiversity conservation are rare. The goal of this systematic map is to gather and describe information on two desired outcomes of urban forest management: (1) conserving bird diversity and species at risk (2) carbon storage and sequestration (i.e., nature-based climate solutions).

**Outline of the student's role:** We are recruiting a Concordia student to work as a part-time research assistant this Fall. The student will work on a literature synthesis/systematic map focused on understanding how urban forest management strategies can support carbon solutions and bird and/or species at risk conservation. This position is part of a collaborative research project with Environment and Climate Change Canada (ECCC). We are looking for an enthusiastic, detail-oriented, and self-motivated individual with an interest in urban ecology. Experience searching, reading, and interpreting scientific literature is an asset.

**Valuable Skills and Experience:**

- Background in reading and analyzing scientific literature
- Strong attention to detail and organizational skills
- Interest in ecology/environmental challenges
- Interest in trees and/or bird conservation in urban areas
- Ability to work independently

**Dates:** Beginning of October to mid-December 2022 (*there may be potential to extend work into the winter semester depending on workload and student progress*).

**Hours:** ~5-10 hours per week (decided on discussion with selected candidate)

**Salary:** \$17.26 per hour (TRAC-RA undergraduate rates)

**Duties are likely to include:**

- Participating in screening articles relevant to an ongoing systematic map on topics related to urban forest management, bird ecology, urban nature-based solutions, and related subjects.
- Collecting and synthesizing data from relevant scientific articles

**If interested, please contact Kayleigh Hutt-Taylor ([kayleighthuttaylor@gmail.com](mailto:kayleighthuttaylor@gmail.com)) by 3:00pm Friday, September 23rd, and cc: [carly.ziter@concordia.ca](mailto:carly.ziter@concordia.ca) in your email. Include:**

- your resume/CV
- an (unofficial) transcript
- a paragraph explaining your interest in the position (in the body of the email is fine)