



IAESTE Croatia

WORK OFFER

Ref. No. HR-2016-4050

Employer Information

Employer:

University of Zagreb, Faculty of Science, Department of Biology,
Division of Zoology

- Zagreb

Croatia

Website:

<http://www.pmf.unizg.hr/biol>

Location of placement:

Zagreb

Number of employees:

220

Working hours per week:

40

Working hours per day:

8

Business or products: Higher education

Student Required

Field of Studies:

Environmental Engineering,
Biology

Study Level:

Middle (4-6 semesters)
End (7 or more semesters)

Specialization:

Earth Sciences,
Freshwater Biology,
Ecology

Language required:

English good or
German good

Other requirements:

Desirable (but not necessary): collection and identification of benthic macro-invertebrates, experience in the use of data analysis techniques (statistical software); an ability to communicate confidently and clearly with a wide variety of people, both orally and in writing; an ability to show initiative to work on the project, self-motivate and work to deadlines without close day-to-day supervision; experience of working independently and also as part of a team; an ability and willingness to support fieldwork activities. Skype interview required.

Work Offered

Work description:

The proposed project (participated by the IAESTE student) is planned to build on an existing project conducted within the Department of Biology (Faculty of Science, University of Zagreb), which deals with urban stream ecology. It is intended to conduct the relevant field work (at the existing sampling sites within Zagreb) and laboratory analyses of the collected water and biological samples. The field sampling would be conducted monthly (once each month) at two urban streams within Zagreb, with an aim to compare temporal (monthly, seasonal) and spatial (habitat-specific) ecological status among urban streams. At each site, water temperature, pH, specific conductance and flow velocity would be measured with respective field-portable meters. Additionally, a 1-L water sample would be collected for laboratory analysis of nitrate-N (NO₃-N), nitrite-N (NO₂-N), phosphate-P (PO₄-P), chemical oxygen demand (COD), alkalinity and water hardness. As well, water samples for the measurements of metal/metalloid concentrations in stream water would be taken. Field work would also include sampling of macroinvertebrates, meiofauna, periphyton and drift, applying the relevant standard procedures. In the laboratory, all sampled items would be processed and organisms taxonomically determined (using the relevant literature). The measured water/biotic parameters would be summarized and analyzed (across seasons and sites) to illustrate the spatial and temporal urban stream habitat changes during the seasonal samplings.

Number of weeks offered: 6 - 6

Within the months: 01-JUN-2016 to 20-JUL-2016

Or within:

Holidays:

Working environment: Office Work

Gross pay: 3200.00 HRK monthly

Deduction to be expected: 0

Accommodation

Lodging will be arranged by: IAESTE Croatia

Estimated cost of lodging: 1400.00 HRK monthly

Estimated cost of living: 3000.00 HRK monthly

Additional information

Nomination information

Deadline for nomination: 01-MAR-2016

Please send nominations by IntraWeb

Date: 02-FEB-2016

On behalf of receiving country: Valentina Jovic