Water has been identified as the major environmental issue of the 21st century. Many parts of the world will experience increasing freshwater shortage, while other parts will have a higher incidence of flooding. Poor water quality is a threat to human society as well as to natural ecosystems. The research focus of the Institute for Water and Wetland Research (IWWR) is the natural environment, in particular aquatic ecosystems and wetlands. Many of these environments have been substantially altered by human impact. The changes have resulted in stress responses of all living biota and impose major challenges on individuals, populations and the ecosystem as a whole. The IWWR studies the mechanisms of adaptation to these changes of microorganisms, plants and animals at the level of the molecule, the cell, the organism and the ecosystem. The tight coupling between fundamental scientific research and application distinguishes the IWWR from other national and international institutes on water research. The novel applications for current water problems are developed from innovative fundamental insights in molecular, physiological and ecological processes.

Tenure Track Position
Aquatic Ecology & Environmental Biology

Institute for Water and Wetland Research, Faculty of Science, Radboud University

Research at the IWWR is carried out by complementary and closely interacting research groups that study the mechanisms of cells, organisms and ecosystems by which they adapt to environmental change.

Job description
The Aquatic Ecology & Environmental Biology group is central in the IWWR and anchors its core mission. As an Assistant Professor you will be responsible for a strong experimental research program in biogeochemistry in close collaboration with other members of the group and other groups within the institute. In particular, you will be expected to integrate multiple trophic levels into the biogeochemical research of the group, including plants, animals and in particular microorganisms. You know how to scale up micro-level experiments to ecosystem and landscape scales and have a good understanding of the applications as they are built on the knowledge that you obtain. As an enthusiastic teacher, you contribute actively and innovatively to field, experimental and theoretical ecology courses of the undergraduate program/course of the Biology curriculum.

Expected qualifications
• completed a PhD thesis in a relevant field
• a good knowledge of biogeochemistry, preferably in (semi-)aquatic environments
• experience with experimental biogeochemical research at different spatial scales
• affinity with interdisciplinary research
• leadership qualities and a vision on multi-trophic wetland research
• some years of post-doctoral experience, preferably abroad
• teaching experience at various levels
• experience with supervising students
• an excellent publication and citation record
• have the ability to work in a team of different disciplines.

Conditions of employment
The monthly salary will be between € 3,195 and € 4,374 on a full-time basis, depending on qualifications and experience. Duration of the contract: Initially for 2 periods of 3 years.

Additional conditions of employment
A permanent position will be offered when your performance is evaluated positively. The evaluation will be based on a set of objective criteria.

Other Information
Applications should include a cover letter, research statement, teaching statement, curriculum vitae, list of publications and the names of at least two references.

Additional Information
Prof.dr. Jan Roelofs + 31 24 3652340 j.roelofs@science.ru.nl
Dr. Leon Lamers +31 24 3653014 l.lamers@science.ru.nl

Application
You can apply for the job (mention the vacancy number 62.58.12) before 15 August 2012 by sending your application by email to:
RU Nijmegen, FNWI, P&O, mrs. M. van Oostveen
PO Box 9010, 6500 GL, Nijmegen, Netherlands
Telephone: +31 24 3652131
E-mail: vacatures@science.ru.nl