



SOUTHERN AFRICAN SOCIETY OF AQUATIC SCIENTISTS

NEWSLETTER – May 2006

1. SIL 2007 announcement

Greetings from Montreal.

We are currently organizing the 30th Congress of the International Association of Theoretical and Applied Limnology, taking place in Montreal (Quebec, Canada) from August 12 to 18, 2007. Poised to be the largest gathering of freshwater scientists on the planet, the 30th SIL Congress aims to be at the forefront of limnological research and development, with special topical sessions on current and challenging issues in both theoretical and applied limnology.

As your website addresses specialists in the field of limnology, we would like you to support us in the promotion of this event by putting a link on your website. In exchange, a link to your website will be posted in the links' section of the congress website (www.sil2007.org).

For further information on the 2007 congress, please visit www.sil2007.org or contact us at sil2007@jpdL.com.

We look forward to hearing from you.

Sincerely,

Ira Mende
SIL 2007
30th Congress of the International Association of Theoretical and Applied Limnology
Congress Secretariat - JPdL
1555 Peel, Suite 500
Montréal, QC, H3A 3L8
Canada

sil2007@jpdL.com
www.sil2007.org

Tel: +1 (514) 287-1070
Fax: +1 (514) 287-1248

2. Course: Introduction to managing environmental water quality

COURSE OFFERED

Introduction to Managing Environmental Water Quality
14-18 August 2006. Venue DWAF Roodeplaat Dam, Pretoria.

Presented by the Unilever Centre for Environmental Water Quality, Institute for Water Research, Rhodes University.

Applied aquatic ecotoxicology forms the basis for managing environmental water quality, along with biomonitoring and chemical monitoring. This theory & policy plus practical course will demonstrate how these key concepts are utilised to provide the necessary essential information to managing environmental water quality.

COURSE CONTENTS AND COST

A) THEORY COMPONENT (registration fee R4000)

How ecotoxicology, biomonitoring and environmental water quality data are best used for effective water resource management. Included:

- * Introduction to Aquatic Toxicology. What is Toxicology including concentration response relationships. This will be closely integrated with the Practical Component of the course and the 4 standard toxicity tests to be completed. However attendance at the Practical course is not a requirement.
- * The water laws, and strategies for wastewater and water quality management.
- * Application and Context of Toxicology, in the context of policy development of recent years including the introduction of the Direct Estimation of Ecological Effect Potential (DEEEP).
- * Planning and evaluating an ecotoxicological programme.
- * Freshwater toxicity tests including acute and chronic tests and how these are to be linked with the physico chemical data accumulated by eg DWAF and industry; together with biomonitoring which is being introduced by DWAF into more and more areas through the River Health Programme.
- * Case studies, including from a Water Board and an industrial perspective.
- * Risk assessment, theory, application and implementation.

Presentations will be by staff of the UCEWQ and invited experts from industry and DWAF.

B) PRACTICAL COMPONENT (registration fee R1800)

Four of the standard toxicity tests recommended for the DEEEP policy will be completed; invertebrate, fish, algal, bacterial. Laboratory techniques within toxicological tests including sample preparation are included.

Presentations will be by staff of the Roodeplaat Dam DWAF RQS laboratories and UCEWQ staff.

FEES include lecture material, use of laboratory equipment where appropriate, teas and lunches.

See <http://www.ru.ac.za/institutes/iwr/ucewq/course.html> for more information or e-mail Dr Heather Davies-Coleman at course@iwr.ru.ac.za.

3. Aquatic biologist position: ECOSUN

AQUATIC BIOLOGIST

Applications are invited from suitably qualified candidates for the position of aquatic biologist. The incumbent of the above position will be responsible for the facilitation, execution and administration of research and consulting projects, with specific emphasis on aquatic ecosystems. The candidate must be willing to travel.

Job requirements

- BSc (hons) degree in Natural Sciences or related field
- At least two years experience in biomonitoring and/or ecological research
- Drivers license
- Must have a sound knowledge of routine biomonitoring indices (including SASS, FAIL), the purpose, procedures and methods of these indices and must be competent to evaluate and interpret monitoring results

Authority & Responsibility

- Administrate, organize and execute ecological research and biomonitoring projects
- Must reach agreed monthly target

Primary Duties

- Plan, prioritize and schedule ecological research and biomonitoring activities
- Participate in fieldwork relevant to projects
- Equipment maintenance
- Data processing, interpretation and management. This includes verifying the accuracy of calculations, examining information for accuracy and quality, evaluation of research findings and making appropriate recommendations.
- Compile reports and present results based on sound scientific methods
- Publish research findings
- Establish network with relevant individuals and organizations to share latest developments and technology

Salary negotiable, depending on qualifications and experience

Curricula vitae must be submitted to:

ECOSUN
PO Box 2131
Florida Hills
1716

Attention: Veronica Rall

Fax: (011) 672-0008 or e-mail to veronica@ecosun.co.za

Tel: (011) 672-0666

Closing Date: 31 May 2006