



## SOUTHERN AFRICAN SOCIETY OF AQUATIC SCIENTISTS

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### NEWSLETTER – September 2005

#### 1. Journal access and membership

We have finally received clearance to register online Journal subscriptions. All members who are in (reasonably) good standing (paid up at the end of 2003) have been given access. Dormant members (owing subs from 2003 or before) have not been given access, even though some may receive this newsletter. Dormant member statements, along with a few statements for members in good standing but whose postal addresses needed to be confirmed, are being processed and will be sent out in the near future. Please contact the Hon Treasurer, Hendrik Jerling [hjerling@pan.uzulu.ac.za](mailto:hjerling@pan.uzulu.ac.za) if you are unsure of your financial standing with the Society.

To activate access to the Journal, follow the instructions sent by Michelle Weyl from Nisc. Please note that a message will be sent to you confirming registration after you have completed the registration process below and another to confirm access, which may take a few days.

From Michelle:

*Dear Society member,*

*Your online access to the African Journal of Aquatic Science is through Ingenta. To access this subscription please go to [www.ingentaconnect.com](http://www.ingentaconnect.com) and register issuing yourself with a UserID and Password.*

*To activate your subscription, log on using your UserID and Password, search for the African Journal of Aquatic Science using the title option for searching, when you have reached the Home page of the Journal you can click on "Add to personal subscription". You will then be asked for a reference, please use "AQUATIC SOCIETY" as your reference.*

*Please remember that your reference is private and should not be given out to non-members or people who have not subscribed.*

*If you have any difficulties accessing your journal subscription please do not hesitate to contact us on [journals@nisc.co.za](mailto:journals@nisc.co.za).*

*Thank you and kind regards  
Michelle*

Also concerning the Journal:

In order to promote papers being published in our Journal, particularly from the rest of Africa, the Exco has decided to allocate an amount covering the cost of 10 printed pages per issue (currently R1,370). The 10 pages can be used at the discretion of the Editor either for one paper, or to half fund two papers etc. The Editor will be required to request motivations and his decision and accompanying documentation will be submitted to the Exco after the publication of each issue.

The Exco also considered and approved increasing the Honorarium received by the Hon Editor to R4,000 pa. This Honorarium had not been adjusted since 2002.

## **2. SASAqS Conference/s**

A tentative offer has been received from Piet Muller from the Dept of Nature Conservation in Gauteng to organise a conference at the Rovuma Hotel in Maputo, either in the first or second week of July next year. We are holding thumbs and will keep you posted.

We will have to give the matter of conferences some serious thought as no other offers have been received to cover the next few years. Apart from the SIL conference in 2010, KwaZulu-Natal has been suggested for 2007 with a possibility of combining with Zoosoc again at some stage. A conference in the KZN Drakensberg or Midlands would be good. Any takers?

## **3. CMS Guidelines**

From Sharon Pollard:

Drafting of the Guidelines for developing Catchment Management Strategies (CMS).

This is to let SASAqS readers know that the above guidelines are in the early stages of preparation. They will form the basis of CMS for use by the Catchment Management Agencies of each of the Water Management Areas in South Africa. The process is to draw on the Internal Strategic Plans that have been developed by DWAF and to undertake a consultative process with the regional managers as well as other key stakeholders identified by DWAF. The project team comprises a consortium from Thelani, Thlou and Mallory and AWARD. The project started in August and is envisaged to run for 18 months. By that stage, an anticipated four CMAs will have been gazetted.

## **4. Short course**

From Victor Wepener:

### **AFRICAN BRANCH OF SETAC PRESENTS A ONE DAY SHORT COURSE**

<b>Course title:</b>	The use of multivariate techniques for analyzing ecotoxicological data and its use in risk assessment
<b>Course presenter:</b>	Dr. Paul van den Brink, Alterra Green World Research, Wageningen, The Netherlands.
<b>Course date:</b>	Wednesday 16 November 2005
<b>Course venue:</b>	University of Johannesburg, Auckland Park campus
<b>Course costs:</b>	R300.00 per person. Costs include handouts, tea and lunch. Accommodation details will be supplied on request.

**Course objective:** The objective is to give an introduction into multivariate techniques and their use for analyzing ecotoxicological data and in risk assessment. This will be done by providing theoretical background in the morning and deal with examples (preferably from participants) in the afternoon.

In ecology, multivariate techniques have already been used for a long time to analyse the relation between communities and their environment. The advantage of multivariate methods over univariate methods is that they use and summarise all information on the measured endpoints simultaneously, and are able to evaluate the relation between environmental factors and these endpoints. In this course first an introduction to multivariate techniques belonging to ordination will be given. The applicability of ordination techniques for the analysis of ecotoxicological data sets will be demonstrated using example data sets, including the influence of endosulfan on the macroinvertebrate community of a river and the PCB dynamics in the blood of penguins. The course will end with a detailed explanation of the Principal Response Curves method, a method especially designed to analyse community level data from microcosm and mesocosm experiments. The method will be explained by the use of many examples and a hands-on presentation on how this analysis can be performed in the Canoco for

Windows package will be provided. The course, however, will focus on the methods used (which are also available in other packages) and not on the Canoco programme itself.

**Course Outline:**

- 8:00-8:15 Introduction into Multivariate Analysis and Ordination (Paul J. van den Brink)
- 8:15-9:15 Principal Component Analysis versus Correspondence Analysis
- 9:15-9:30 Morning Break
- 9:30-12:00 Direct analysis: Redundancy Analysis and Canonical Correspondence Analysis
- 12:00-1:00 Lunch Break
- 1:00-3:00 Remaining Theory and Examples from instructor
- 3:00-3:15 Afternoon Break
- 3:15-4:45 Examples from participants
- 4:45-5:00 Wrap-up and Course Evaluations

## SETAC AFRICAN BRANCH SHORT COURSE



### THE USE OF MULTIVARIATE TECHNIQUES FOR ANALYZING ECOTOXICOLOGICAL DATA AND ITS USE IN RISK ASSESSMENT

#### REGISTRATION FORM

**THIS FORM SHOULD BE COMPLETED AND SENT BY**

- E-MAIL TO [yw@na.rau.ac.za](mailto:yw@na.rau.ac.za) OR
- FAXED TO 011 489-2286

**BY 15 OCTOBER 2005. PAYMENT FOR REGISTRATION MUST ALSO BE MADE BY 1 NOVEMBER 2005. PLEASE NOTE THAT A MAXIMUM OF 20 PARTICIPANTS CAN BE ACCOMMODATED THUS REPLY AS SOON AS POSSIBLE TO AVOID DISSAPOINTMENT.**

#### A. PERSONAL DETAILS

DELEGATE	
Surname	
Initials	
First name	
Title	
Organisation	
Address	
Tel.	
Fax.	
E-mail	
I am a member of SETAC (Yes/No)	