

# CHEMRAWN XII STELLENBOSCH 2007

## THE ROLE OF CHEMISTRY IN SUSTAINABLE AGRICULTURE AND HUMAN WELLBEING IN AFRICA

### CONFERENCE AIMS

Improving the quality of life of the peoples of Africa through the provision of adequate food, with specific attention to the role of chemistry.

## THE ROLE OF CHEMISTRY IN SUSTAINABLE AGRICULTURE AND HUMAN WELLBEING IN AFRICA

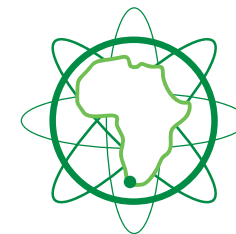
### CONFERENCE AIMS

Improving the quality of life of the peoples of Africa through the provision of adequate food, with specific attention to the role of chemistry.

- sustainable agriculture in Africa in a globalised market;
- optimizing food provision in Africa;
- high technology, including global observation systems, biotechnology and Green Chemistry, in ensuring food security in Africa;
- chemistry as a core science in food security in Africa;
- agricultural produce from Africa as a source of biofuels, high value and niche products;
- science-based capacity development at universities in Africa as a prerequisite for food security.

The conference organisers endeavour to attract top scientists, research students, industrialists, and policymakers involved in the food chain in Africa to the conference.

The holding of CHEMRAWN XII is most timely as evidenced by recent events. The provision of safe and adequate food is very high on the political and economic agenda in Africa. The proposed scientific programme coincides with Africa's Science and Technology Consolidated Plan of Action.



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### THE SCIENTIFIC PROGRAMME:

The conference keynote address will be delivered by **Dr. Pedro Sanchez**, a former recipient of the World Food Prize and currently the director of Tropical Agriculture at the Earth Institute, Columbia University. The topic of his address will be the **Green African Revolution**.

### THEMES

- African agriculture in a global context: chemistry as the enabler
- Adequate, safe and affordable food for Africa
- The safe development and application of biotechnology in agricultural production
- Securing and sustaining water and soil quality for agricultural production
- Technologies to reduce post-harvest food loss
- The role of chemicals in sustainable agriculture
- Securing and sustaining water and soil for agricultural production
- Value-added and niche chemicals from agricultural produce
- The role of agriculture in building a sustainable energy base

### OTHER INVITED SPEAKERS:

- Prof Berhanu Abegaz** (University of Botswana)
- Prof Pol Coppin** (Catholic University of Leuven, Belgium)
- Prof Ermias Dagne** (Addis Ababa University, Ethiopia)
- Prof Ameenah Gurib-Fakim** (University of Mauritius)
- Prof Jens Kossmann** (Stellenbosch University)
- Prof Sospeter Muhongo** (ICSU-Africa)
- Prof Linus Opara** (Sultan Qaboos University, Oman)
- Prof James Simon** (Rutgers University, USA)
- Prof Leopoldt van Huyssteen** (Stellenbosch University)



2-5 DECEMBER 2007

THE CONSERVATOIRE  
STELLENBOSCH UNIVERSITY . SOUTH AFRICA

#### WORKSHOP SESSIONS WILL BE AIMED AT APPLYING

##### KNOWLEDGE TO AFRICAN NEEDS:

- The role of universities in technology transfer to ensure sustainable agriculture in Africa.
- The role of green chemistry in agricultural production in Africa.
- Chemical and microbiological analyses to ensure safe and wholesome food for Africa.
- Post harvest technologies to ensure high quality foods and fruits.

#### VENUE: ENDLER COMPLEX, THE CONSERVATOIRE,

##### STELLENBOSCH UNIVERSITY

Stellenbosch is a scenic university town situated in the Winelands of the Western Cape, 40 minutes' drive from Cape Town. Magnificent natural surroundings, excellent cuisine, and graceful architecture make it the perfect venue to host the CHEMRAWN XII Conference. The Conference will be hosted at the Conservatoire, a modern complex equipped with all the necessary conference facilities.

#### CALL FOR ABSTRACTS

Participants are invited to submit original abstracts for oral and/or poster presentations. The deadline for abstract submission is Tuesday 31 July 2007. Abstracts may be submitted electronically only via the conference website, at [www.chemrawn.co.za](http://www.chemrawn.co.za)

#### REGISTRATION

The registration fee includes scientific sessions, workshops, lunches, social functions, final programmes and abstract book. You can register online at [www.chemrawn.co.za](http://www.chemrawn.co.za) or you can download the registration form and register by fax.

#### CONFERENCE REGISTRATION FEES

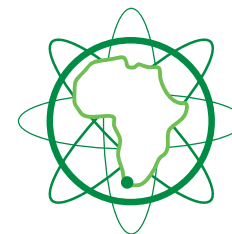
	EARLY REGISTRATION (Before 3 September 2007)	LATE REGISTRATION (After 3 September & before 19 November 2007)
Scientific participants	R2400.00	R2800.00
Students	R1000.00	R1200.00
Gala dinner	R250.00	R250.00

#### INTERNATIONAL ADVISORY COMMITTEE

- Prof. Berhanu Abegaz, University of Botswana (Botswana)
- Dr Jerry Brown, USAID Southern Africa (Botswana)
- Prof. Ermias Dagne, Addis Ababa University (Ethiopia)
- Prof. Ameenah Gurib-Fakim, University of Mauritius (Mauritius)
- Prof. Wilhelm Holzapfel, University of Karlsruhe (Germany)
- Dr Stanley Langer, Secretary: CHEMRAWN Committee and Manager: Awards and International Affairs of the Royal Society of Chemistry (UK)
- Dr John Malin, Chair: CHEMRAWN Committee
- Mr Moses Mengu, Danish Technological Institute (Denmark, originally from Ghana)
- Prof. Onesmo ole-MoiYoi, ICIPE (Kenya)
- Prof. Linus Opara, Sultan Qaboos University (Oman, originally from Nigeria)
- Dr Adam Pawelczyk, Wroclaw University of Technology (Poland)
- Prof. Leiv Sydnos, University of Bergen (Norway)
- Prof. Shem Wandiga, University of Nairobi (Kenya)

#### CONFERENCE CHAIR:

- Prof Pieter Steyn, Past President: IUPAC; Division of Research Development: Stellenbosch University



#### FURTHER CONFERENCE INFORMATION

<http://www.chemrawn.co.za>

For further information, please contact: Christelle Snyman  
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E-mail: [conference@chemrawn.co.za](mailto:conference@chemrawn.co.za)

#### IMPORTANT DATES

31 July 2007 - Deadline for submission of abstracts  
3 September 2007 - Early registration ends  
14 October 2007 - Deadline for pre-booked accommodation  
19 November 2007 - Late registration ends

**"THERE CAN BE NO HUMAN DIGNITY UNDER  
CONDITIONS OF FAMINE AND HUNGER"**

