

WASWAC HOT NEWS 2012 (04) July-September 2012

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Please send your contributions/ information for next issue(s) of HOT NEWS & WASWAC Bulletin to waswacsecretariat@gmail.com, care_045@yahoo.com, tongyl@iwhr.com, pure_soil03@hotmail.com, namhort55@gmail.com & sskukal@rediffmail.com (for Bulletin). This document is NOT properly edited, to enable a quick release to meet many deadlines. Previous issues are available on <http://waswac.soil.gd.cn>.

All issues will be available on WASWAC official website <http://www.waswac.org> by the end of 2012.

REDUCE



REUSE



RECYCLE

These are what every one of us can do to mitigate global climate change – our imminent threat.



PLEASE CONSIDER THE ENVIRONMENT BEFORE YOU PRINT THIS HOT NEWS



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<http://www.facebook.com/pages/World-Association-of-Soil-and-Water-Conservation/187062347982860>

and also please search in **Youtube** for '**SWATlectures**'.

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LANDCON 1209 was held in Serbia on 17-21 September

(By Ana Borisavljevic)

Initiated by:

World Association of Soil and Water Conservation – WASWAC
University of Belgrade Faculty of Forestry

Organized jointly with:

World Association for Sedimentation and Erosion Research (WASER)
European Society of Soil Conservation (ESSC)

Convened in line with the objectives of:

International Sediment Initiative (ISI – UNESCO)
Water Management Institute “Jaroslav Černi” (“Water for Sustainable Development and Adaptation to Climate Change Centre” under the auspices of UNESCO)

Sponsored by:

Ministry of Education and Science of the Republic of Serbia
Serbian Chamber of Engineers
Institute for Nature conservation of Serbia
National park Djerdap
RB, Kolubara” d.o.o. Lazarevac
City of Belgrade Municipality Čukarica
Foundation of Environmental Protection of Republic Serbia

The LANDCON conference was opened by Prof Dr. Nada Dragovic, Deputy Minister for Education, Science and Technological Development, Republic of Serbia, Dr. Li Rui, President of the World Association of Soil and Water Conservation, Dr. Jose Luis Rubio, Immediate Past President of European Society of Soil Conservation, Dr. Milan Medarevic, Dean of the Faculty of Forestry, University of Belgrade, Prof Dr. Miodrag Zlatic, president of Conference Organizing Committee. The topic of conference was “Sustainable land management and climate changes”. The papers were presented during three days in 6 topics (1) Land Degradation, (2) Land Conservation, (3) Impact of Climate Change on Environment, (4) Socio Economic Aspects of Land Degradation and Land Conservation, (5) Implemented Global/Regional/National Projects, and (6) Education in Land Conservation. The excursion on September 19th in Derdap gouge gave opportunity to the participants to visit professional sites (Hydropower plant Derdap, regulation of torrents, canyon of

Boljetinska river) as well as cultural sites (Lepenski Vir, Kovilovo, ethno farm). Presentations of student works were held on the fourth day of Conference followed by plenary session giving the general guidelines and closing the conference.



President Li Rui was giving welcome speech

Some conclusions are as follows: Torrential floods are one of the greatest threats in hilly-mountainous regions which are not usually documented. The database on torrential floods is needed for torrential flood risk management. The integrated watershed management is the best way to protect soil and water resources. From the point of view of climate changes the papers mainly presented their influence on forests including changes on woody species, then possibilities of protection, adaptation of certain species on climate changes and possibilities of protection against new diseases. It is recommended to focus the future investigations on interaction between climate changes and land use for

double purpose (1) to understand and determine degradation processes (2) to determine directions of sustainable water and soil resources management taking into account effects of climate changes in the past and nowadays. In respect of socioeconomic aspects paper presentations showed apparent progress in methodological approaches for assessment of socioeconomic dimensions of sustainable land use. Land protection should be oriented to the needs of individuals and society including longterm economic effects and natural resources protection.

In the topic Education in Land Conservation there were 8 student presentations which were useful for students to develop their professional and public appearance skills and to present their work to the international auditorium. It is concluded that this session is needed in future LANDCON conferences in order to encourage future experts.

This event numbered 46 domestic and 27 foreign participants.



Field tour

MEETINGS 2012+

First Global Soil Week



Time: 18-22 November 2012

Venue: Scandic Hotel Berlin Potsdamer Platz, Berlin, Germany

Sustainable Development Conference will take place within the framework of the FAO's Global Soil Partnership. The First Global Soil Week offers a forum of interactive exchange and dialogue. Stakeholders from science, government, business and civil society will come together to share their land and soil-related experience and expertise, and to develop future plans of action for sustainable land/soil management and governance.

Participants in the First Global Soil Week will only for those people who has received an invitation via email.

More Details at: <http://www.globalsoilweek.org>

Soil solutions for diverse landscapes

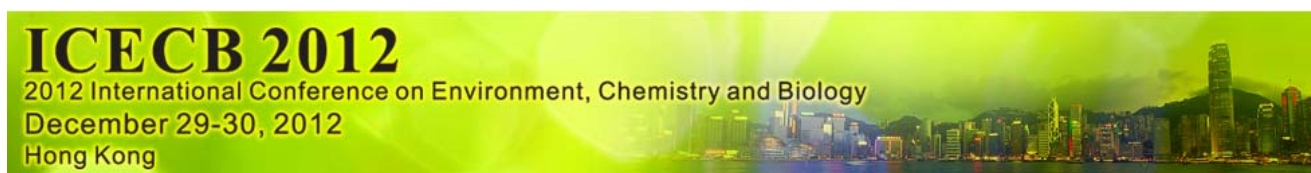


Time: 2-7 December 2012

Venue: Hobart, Australia

Conference Themes: 1. Soil philosophy, soil education and the future of soil; 2. Soil carbon and climate change; 3. Pedology, soil stratigraphy and Quaternary landscape history; 4. New techniques in soil spatial analysis; 5. Soils and infrastructure developments; 6. Soil fertility and soil contaminants; 7. The living soil; 8. Soil and land degradation; 9. The physical soil; 10. Forensic soil science.

More Details at: <http://www.soilscience2012.com/>



Time: 29-30 December 2012

Venue: Regal Riverside Hotel, Hong Kong, China

Publications and Proceedings: The ICBCC 2012 papers will be published in the Volume of Journal (IPCBEE, ISSN: 2010-4618), and all papers will be included in the Engineering & Technology Digital Library, and indexed by Ei Geobase(Elsevier), Ulrich's Periodicals Directory, EBSCO, CNKI, WorldCat, Google Scholar, Cross ref, and sent to be reviewed by Compendex and ISI Proceedings. About 10 papers selected from the registered ones will be published in the International Journal of Bioscience, Biochemistry and Bioinformatics(IJBBB, ISSN: 2010-3638) free of charge.

More Details at: <http://www.icecb.org/index.htm>

MEETINGS 2013++

International Symposium on Mechanical Properties of Frozen Soils

Date: Thursday January 31 2013

Location: Hyatt Regency Jacksonville Riverfront Jacksonville, FL, USA

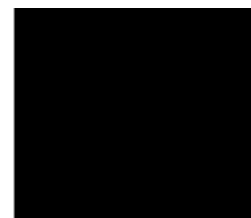
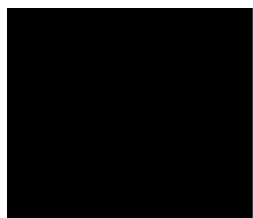
Objective: The symposium will provide a forum for exchange of ideas on current research on the testing of mechanical properties of frozen ground. A key objective is to identify new opportunities for standards and specifications that will facilitate construction on frozen soils as well as utilization of natural resources in frozen soil conditions. Articles on triaxial testing, dynamic testing and tensile strength testing of frozen soil and tailings are of interest. Papers on other frozen soil testing methods are also welcome. Providing a rationale for the various details within a new standard for triaxial testing of frozen soils is of particular interest.

Topics:

- Equipment requirements
- Specimen considerations;
- Testing procedure;
- Data analysis;
- Application of test data;
- Typical test results for certain frozen soils and tailings.

More details: http://www.astm.org/SYMPOSIA/filtrexx40.cgi?+-P+EVENT_ID+2095+/usr6/htdocs/astm.org/SYMPOSIA/callforpapers.frm

International Conference-Exhibition on Soils, Sediment and Water



Date: 26-28 March, 2013

Location: Lyon, France

Sessions:

1. Certification – Feedbacks
2. Excavated soils/ Alternative Materials
3. Impact of contaminated lands on ambient air
4. Innovative Techniques for pollution control

Deadline for application : November 15, 2012

Selection of summaries : November 19, 2012

More information at: <http://www.intersol.fr/>

First International Conference on Remote Sensing and Geoinformation of Environment

RSCy

First International Conference on Remote Sensing and Geoinformation of Environment
Paphos Cyprus Coral Beach Hotel

Date: 8-10 April, 2013

Location: Pafos, Cyprus

Topics:

- Applications of remote sensing
- Remote Sensing & Geoinformation in Education and training in school, university, and public life
- Environmental monitoring and protection, Risk assessment
- Field Spectroscopy
- Atmospheric Correction methods in pre-processing of satellite imagery
- Cultural heritage
- Remote sensing for archaeology

- Land use and land cover, land-cover changes degradation and desertification
- Satellite Sensors
- Classification of remotely sensed images
- Artificial neural networks
- Urban remote sensing
- Oceans, coastal zones and inland waters
- Natural and man-made disasters, Natural Hazards
- Forestry and forest fires, burned areas
- Land survey, Real Estate, Cartography, Mapping
- Remote sensing in climate changes, meteorology, atmospheric chemistry
- Air pollution, Water Quality, floods, Water leakages
- Water resources, management, underground water sources
- 3D remote sensing, Radar, Lidar, Thermal Remote Sensing
- New instruments and methods
- Laser Scanning
- Agriculture, evapotranspiration
- GIS
- Micro-sensor technology
- Remote sensing for petroleum exploration
- Geophysics
- Remote Sensing Analysis of earthquakes/ seismic activity
- Applied Meteorology and Climatology
- Atmospheric Physics and Chemistry, Aerosols
- Remote Sensing- Satellite Meteorology and Climatology
- Weather Analysis and Forecasting

Important Dates:

- Date for abstract submission: 30 November 2012
- Notification of authors for abstract acceptance: 15 December 2012
- Submission due date for full papers: 28th February 2013

More information at: <http://www.cyprusremotesensing.com/rscy2013/>

12th International UFZ-Deltares Conference on Groundwater-Soil-Systems and Water Resource Management



Date: 16-19 April, 2013

Location: Barcelona, Spain

Themes:

A. Using functions of soil-water systems

- Soil, sediment and groundwater as resource of valuable materials (and waste cycles)
- Urban (ground)water management
- Thermal energy in soil-water systems
- Role of soil-water systems in climate change adaptation and mitigation
- Eco-engineering

B. Soil and water resources management in water scarcity regions

- Assessment of quantity, quality and vulnerability
- Solutions for salinization of soil-water systems

C. Assessment and monitoring

- Fate, transport and risks
- Developments in site investigation and monitoring
- Effects of climate change and/or groundwater management
- Ecosystem services assessment and monitoring

D. Remediation technologies for soil, groundwater and sediment

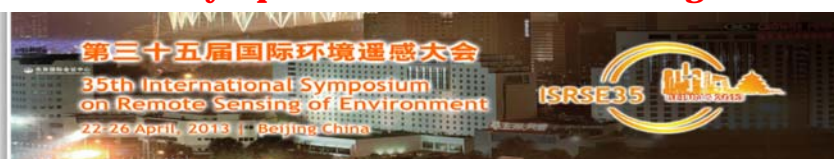
- Technologies for (in situ) remediation and management of soil contamination
- Costs and management
- Sustainable remediation / Environmental footprint
- Sector specific cases of remediation and soil contamination management

E. Concepts and policies

- Soil-water systems policy and regulation
- Regional management of soil-water systems
- Sustainable use of the subsurface
- Resource efficiency

More information at: <http://www.aquaconsoil.org/AquaConSoil2013/Themes.html>

35th International Symposium on Remote Sensing of Environment



Date: 22-26 April, 2013

Location: Beijing, China

Language: The official language of the conference is English. Chinese to English and English to Chinese interpretation will be available in the main hall only.

Theme: Earth Observation and Global Environmental Change - 50 Years of Remote Sensing: Progress and Prospects.

Important Dates:

| | |
|----------------------------------|--------------------------|
| Workshop Submission Deadline | Tuesday, 30 October 2012 |
| Acceptance Notification | Monday, 10 December 2012 |
| Early-bird Registration Deadline | Friday, 25 January 2013 |
| Final Paper Deadline | Monday, 15 February 2013 |
| Author Registration Deadline | Monday, 25 February 2013 |
| Standard Registration Deadline | Monday, 15 April 2013 |

More information at: <http://www.isrse35.org/>

4th International Symposium on Soil Organic Matter



Date: 5-10 May, 2013

Location: Nanjing, China

Introduction:

Soil organic matter (SOM) has been universally accepted as a key soil component in soil fertility, crop productivity and ecosystem functioning related to mitigation of greenhouse gas, maintaining soil biodiversity and sustaining ecosystem health. There has been increasing interests of SOM studies in agronomy, Earth science and ecological sciences globally. As a follow-up to the meetings in Poitiers (France, 2007), Colorado Springs (USA, 2009) and Louvain (Belgium, 2011), the fourth international symposium on organic matter dynamics will be held in Nanjing, China in 2013.

While this series symposium remains a focus on SOM dynamics under different human activities at various scales from cropland plot to water shed and land-ocean transects, the SOM 2013 will cover a wide range of studies of SOM from molecular characterization of SOM structure and its dynamics to global scale simulation and modeling of C fluxes between pedosphere and biosphere, atmosphere and hydrosphere. Exchanges of SOM and SOM-derived (associated) C between soil and plant, between surface and subsurface, between land and waters will be again among the hot spots of the symposium.

While the food supply will be still a great challenge in developing countries, particular attention will be addressed of SOM and the linkage to soil productivity, nutrient efficiency, biological activities as well as soil tillage and conservation in agricultural soils in the present symposium. Meanwhile, the role of SOM in croplands will be further explored in the mitigation of GHGs in relations to human land use and management practices. Contributions will be greatly encouraged from scientists with research on pragmatical solutions to sequester carbon in natural ecosystems as well as in croplands without compromising food production.

As new issues and technological development in SOM have been emerged in recent years, some special sessions addressing new tools and new concepts in study of SOM dynamics will be opened in the present symposium. As young scientists are the future of SOM study, tentatively a special activity will be also organized for young scientists, for which some funding and presentation awards will be granted after review and appraisal by the SC committee.

Looking forward to a wide contribution from all around the world, and a great success with you of this event in China!

Details at: <http://www.ireea.cn/som2013/index.asp>

The 2nd WASWAC World Conference



Dates: May 13-18 2013

Venue: Bangkok, Thailand

Themes:- Situation and evolution of land degradation

- Control measures to prevent and mitigate land degradation and to restore degraded land
- Evaluation of impact of land degradation on food production and the environment
- Effects of global climate change on land degradation and food security
- Law and policy to prevent and mitigate land degradation
- Water resource management

Details: http://www.ddd.go.th/web_waswac2/

<http://www.waswac.org/newsShow.asp?fileSort=20&id=259>

7th International Conference on River Basin Management



CONFERENCE TOPICS

Water resources management
Flood risk management
Ecological and environmental impact
Erosion and sediment transport
Hydrological modelling
Sustainable rivers
Rivers and tourism
River restoration and rehabilitation
Hydropower impacts and solutions
River and watershed management
Integrated management
Water quality issues
Eutrophication and agricultural pollution
Trans-boundary river issues
Estuaries, deltas and lagoons
Changing climate and adaptive water management
Droughts and desertification
Wetlands
Water and health
Socio-economic and political issues
Water governance and water justice

MORE INFORMATION: wessex.ac.uk/rivers2013

XVII Conference of the International Soil Conservation Organization (ISCO)



Sociedad Colombiana
de la Ciencia del Suelo



UNIVERSIDAD
NACIONAL
DE COLOMBIA

The XVII ISCO Conference will be held in **Medellin (Colombia), 08 - 12 July 2013**, and the following central and specific topics have been selected:

Central topic: Environmental Sustainability through Soil Conservation

Specific topics: 1) Land planning, soil and water conservation;

- 2) Physical, chemical and biological processes in soil conservation and degradation;
- 3) Hydrological processes in soil degradation and associated natural disasters;
- 4) Environmental dynamics associated with land use changes;
- 5) Carbon sequestration and climatic change;
- 6) Environmental impact of the mining industry on soils and waters;
- 7) Degradation of soils and biofuel production.

Registration fee: 400 USD (includes CD with abstracts, local field tour, 4 lunches and closing banquet)

Deadlines: Reception of short abstract: 31 December 2012; Reception of extended abstract: 31 March 2013

More Details Please See the First Announcement Online:

<http://www.essc.sk/WebBoard/documents/First%20announcement%20ISCOPDF.pdf>

9th European Conference on Precision Agriculture



Dates: July 7-11 2013

Venue: Lleida, Catalonia, Spain

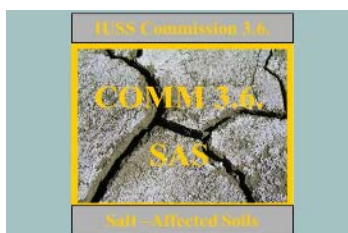
Topics:

- Soil and crop proximal sensors
- Remote sensing applications in precision agriculture
- Spatial variability and mapping
- Variable-rate application equipment
- GNSS, guidance systems and machinery
- Robotics and new technologies
- Management, modelling and decision support systems
- Precision crop protection
- Advances in precision fructiculture/ viticulture/ citriculture/ oliviculture and horticulture in general
- Advances in precision irrigation
- Experimental designs and data analyses
- Economics and sustainability of precision agriculture
- Emerging issues in precision agriculture (energy, life cycle analysis, carbon and water footprint, etc.)
- Practical adoption of precision agriculture
- Education and training in precision agriculture

More Details: <http://www.ecpa2013.udl.cat/topics.html>

Conference on “Utilization and Protection of Halophytes and Salt-affected Landscapes”

Conference "Utilization and protection of halophytes and salt-affected landscapes"
September 4-6, 2013, Kecskemét, Hungary



Time: 4-6 September 2013

Venue: Kecskemet, Hungary

Conference Topics:

- Ecology and utilisation of halophytes
- Protection of saline lakes, grasslands and other salt-affected habitats
- Ecological consequences of soil amelioration
- New approaches and results in the amelioration of sodic soils, under irrigation and rain fed conditions (chemical, agrotechnical, biological and complex amelioration practices, afforestation measures)
- Use of saline waters in agriculture

- Ecology and soil-plant correlations in native salt-affected habitats
- Prevention and prediction of secondary salinization/sodicization/alkalization due to irrigation
- Prevention of ecological catastrophes and other off-site consequences of secondary salinization
- Increase of public awareness and education for the prevention of secondary salinization
- The role of geological and other environmental conditions in the genesis of saline and sodic soils
- Groundwater depth, concentration and its relationship with salinization/sodicization/alkalization of soils
- Classification of salt-affected soils for international correlation, land use and land evaluation
- Spatial and temporal changes in salinity/sodicity/alkalinity status of salt-affected areas
- Assessment of soil salinity/sodicity/alkalinity with new laboratory and field techniques
- Remote sensing and GIS in the assessment, mapping and monitoring of salinity/sodicity/alkalinity status of soils
- Agrogeological problems related to salinization/sodicization/alkalization
- Mapping of salt-affected soils based on environmental correlation
- Modern methods for the characterization and diagnosis of physico-chemical and colloid-chemical properties of sodic soils
- Legal aspects of irrigation-induced salinization

More information please go to: <http://members.iif.hu/tot3700/salinityconferencehungary2013.html>

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MP406

<http://www.ictinternational.com/soils.html#soilmoisture>



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President Li Rui Attends the Second Academic Annual Conference of Jiangxi Association for Science and Technology

(By Ma Liping, Shen Le, Xie Feng, Song Yuejun)



Participating in the Second Academic Annual Conference of Jiangxi Association for Science and Technology

The opening ceremony of the second academic annual conference of Jiangxi Association of Science and Technology and the academic youth forum for Poyang Lake Ecological Economic Zone (PLEEZ) construction and modern soil and water conservation were held in Jiangxi, China, on October 10, 2012. The theme of the annual meeting is “innovation of science and technology and construction of prosperous harmonious beautiful Jiangxi”. It was co-hosted by Jiangxi Association for Science and Technology and Jiangxi Provincial Water Resources Department.

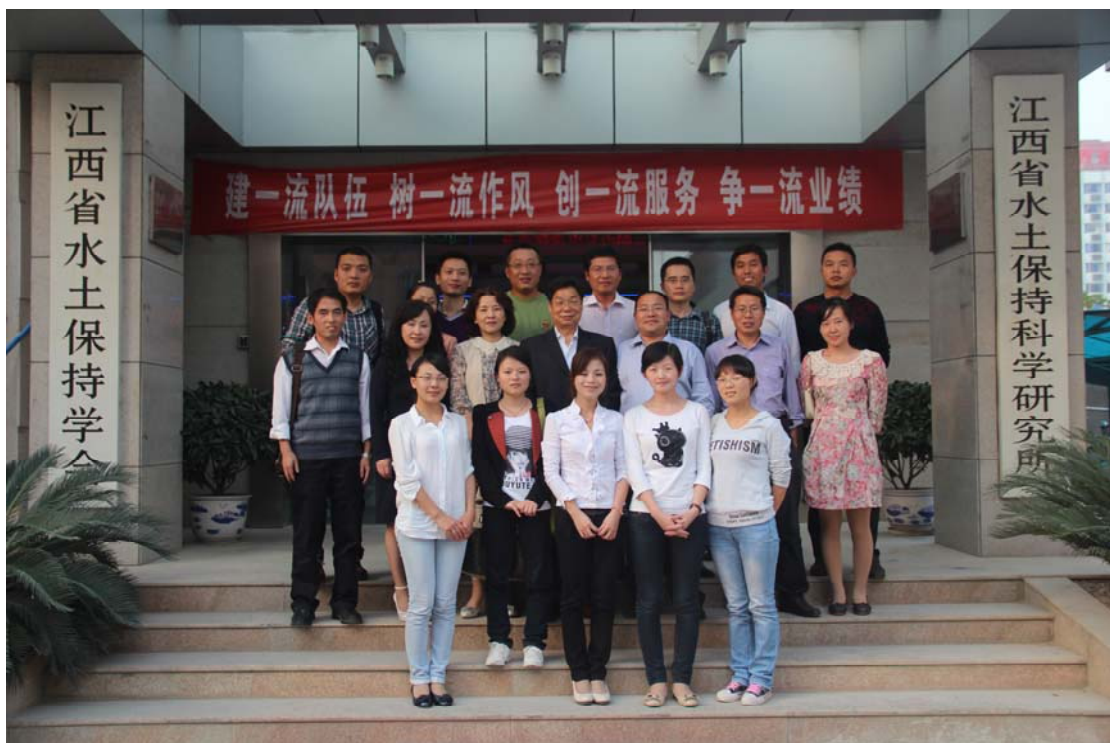
Prof. Li Rui, president of World Association of Soil and Water Conservation (WASWAC) was invited to attend the annual conference and gave a report titled “Deliberation on the Development of Science and Technology on Soil and Water Conservation”.

President Li Rui illustrated in detail the development, opportunities and challenges of soil and water conservation in the world and China from three aspects, i.e. the severe challenges facing the global resources and environment, the present situation and problems of soil erosion and water loss in China, and the achievements and missions of the science and technology on soil and water conservation in China. Five present development trends of the soil and water conservation has been pointed out by President Li: 1) the study on the process of soil erosion gets deepened and extended constantly; 2) research methods and technologies has been updated rapidly; 3) the socioeconomics study on soil and water conservation has been paid more attention; 4) the relationship between regional soil and water conservation and global study has become increasingly closer; 5) study on the benefit assessment and comprehensive configuration of soil and water conservation measures have been pushed steadily.

At last, President Li Rui gave a brief introduction on WASWAC- the Water Association of Soil and Water Conservation. After the conference, President Li Rui was invited to the seminar held in Jiangxi Provincial Research Institute for Soil and Water Conservation, and proposed some instructional suggestions on its development. Meanwhile, he hoped that Jiangxi Provincial Research Institute for Soil and Water Conservation can be influenced more widely through contacts with WASWAC.



President Li Rui is giving an invited report



Participating in the seminar in Jiangxi Provincial Research Institute for Soil and Water Conservation

JOBS

1. Environmental Laboratory and Field Technician



Location:

Conway, SC, USA

Coastal Carolina University is accepting applications for an Environmental Laboratory and Field Technician in Coastal Carolina University's Burroughs and Chapin Center for Marine and Wetland Studies. Position is a full-time annual appointment with benefits. This position will work with the Center's Environmental Quality Laboratory. This facility conducts research and monitoring in the coastal and inland waters of northeastern South Carolina.

Duties will include, but are not limited to:

Field sampling, sample processing and analysis, quality control procedures, instrument calibration and data management. The following parameters are routinely measured: bacteria including: PCR methods, chlorophyll, nutrients, BOD, organic carbon, turbidity, TSS, color, pH, and alkalinity. Field measurements are made with in-situ meters.

Requirements:

Bachelor's degree in science with two (2) years related job experience or equivalent education with extensive experience. Must also maintain a valid SC driver's license. Must be able to comprehend technical literature such as US EPA methods and to follow standard operating procedures and quality control practices. Must be proficient in use of Microsoft Word and Excel. To read more about the Burroughs and Chapin Center for Marine and Wetland Studies and its Environmental Quality Lab, see <http://www.coastal.edu/www/eql/index.html>.

Application Process:

Interested applicants may apply online at: <http://jobs.coastal.edu> or in the Office of Human Resources and Equal Opportunity between the hours of 8:00am and 5:00pm, Monday through Friday. Applicants should submit a cover letter, resume and the names and contact information for three (3) professional references. Review of applications will begin immediately and continue until the position is filled.

2. Assistant Professor in Remote Sensing and Ecosystem Change



Location: Davis, CA

The Department of Land, Air and Water Resources (LAWR) in the College of Agricultural and Environmental Sciences, University of California, Davis invites applications for a tenure track faculty position as Assistant Professor in Remote Sensing and Ecosystem Change. We seek an outstanding scholar to conduct ecological and environmental research using remote sensing geospatial tools, with a core expertise in understanding spatial and temporal ecological patterns and processes to relate responses and change to the physical environment and land-use conditions. The successful candidate should demonstrate a record of achievement with various remote sensing technologies as evidenced by peer reviewed publications. They should demonstrate an interest and

ability to work with emerging remote sensing mapping technologies, like high spatial resolution, high fidelity imaging spectroscopy and LiDAR as well as developing quantitative methodologies that take advantage of the information from these new sensors, whether at ground, air or satellite scales.

Requirements: include a Ph.D. in ecology, soil science, hydrology, atmospheric science, geography or closely related environmental fields and a commitment to excellence in the use of remotely sensed data to study ecological processes related to environmental change. We seek candidates whose research interests and leadership complement and strengthen existing LAWR research foci in regional climate, hydrologic and biogeochemical processes. The candidate is expected to collaborate with environmentally relevant programs on campus and demonstrate interest in working in interdisciplinary groups. Research should include an applied component useful to the mission of a Land Grant University.

The candidate is expected to maintain an active, externally-funded research program. We seek a commitment to excellence in teaching and the candidate will be required to teach an undergraduate upper-level ecosystem science core course, an upper-level undergraduate remote sensing course, and a graduate level advanced remote sensing methods course. Supervision of graduate students, student advising, curricular development, participation in outreach programs, and university service are expected. This is a nine-month academic year tenure-track position.

Additional information: concerning the position and to submit application materials, please visit <http://recruit.ucdavis.edu>. Applicants should submit a cover letter, curriculum vitae, names and contact information of three references, description of current and projected research, summary of teaching interests and experience, and up to three publications, all in PDF format. Applicants must arrange for graduate program transcripts to be sent directly to the Search Committee Chair.

Contact: Susan L. Ustin, Search Committee Chair, LAWR, slustin@ucdavis.edu for additional information. Open until filled, but all application materials must be received **by November 30, 2012** to assure full consideration.

3. Principal Consultant Geotechnical Engineer



The Opportunity:

The geological make-up of New Zealand offers exposure to new, interesting and challenging geotechnical issues and solutions. If you would thrive on taking up those challenges, and have been thinking about a move to New Zealand, now is the time to act!

Many of the Engineering and Environmental Consultancies in New Zealand are on the lookout for senior and principal level Geotechnical Engineers with previous consulting experience and excellent skills in geotechnical analysis and design. Ideally you will have strong design management or project management skills and previous experience in leading a team. The projects on which you will apply your geotechnical expertise are diverse including roads, highways & rail, land & buildings development, hydropower & windfarms, water resource / irrigation development, waste & contaminated sites, geohazard & land assessment / remediation following the Christchurch earthquakes.

Your skills:

Hold a Civil Engineering degree, preferably with a Masters in Geotechnical Engineering.

Have 10+ years of geotechnical engineering experience.

Be experienced in the use of geotechnical analysis and design software such as SLOPE/W, PLAXIS, WALLAP & gINT.

Have previous consulting experience, excellent client relationships skills, a strong interest in developing others, and proven or developing project and design management skills.

To apply or find out more:

Contact Lisa Hulley by email on jobs@peakrecruitment.co.nz.

4. Postdoctoral Research Associate (Crop And Soil Science)



Job Title: Postdoctoral Research Associate (Crop And Soil Science)

Type: Full time

Category: Sciences and General R&D

Address: Prosser, WA, USA

The main goal of this position is to assess gene flow of a genetically-engineered (GE) herbicide resistance trait, (Round-up Ready) occurring along GE and non-GE alfalfa hay and seed production pathways taking into account landscape factors and pollinators. A final output is to develop a production-level gene flow model that industry can use to guide the selection of co-existence strategies based on location, production environment and type of pollinator used.

This position will be available at Washington State University located at Prosser, Washington beginning January 2013. Please submit resume **by November 30th, 2012**.

Apply at:

http://jobs.thejobnetwork.com/Job/8902501469A95/2174/1469?utm_source=Indeed&utm_medium=organic&utm_campaign=Indeed

5. Environmental Microbiology Postdoctoral Fellow



Employer: Lawrence Berkeley National Laboratory

Location: Berkeley, CA, United States

Expires: Jan 16, 2013

TAGGED: Chemistry

Description: Environmental Microbiology Postdoctoral Fellow

Organization: ES-Earth Sciences

Job Type: Postdoctoral researcher

Sector: National lab / Government

Brief Introduction:

The Earth Sciences Division has an exciting opportunity for a Postdoctoral Fellow to conduct projects involving community characterization (both molecular and culture based) and functional/ biochemical characterization of aerobic and anaerobic microbes from contaminated soil and rhizosphere. The candidate will have to use, optimize or develop analytic tools to characterize plant-microbe interactions especially involving nitrogen cycling. The candidate should have experience in molecular biology, microbial physiology and analytical chemistry and have worked extensively with environmental samples.

As a Postdoctoral Fellow, you will:

- Collect and analyze data.
- Prepare results for publication in scientific journals and for oral/poster presentations.
- Assist with development of research grants.
- Assist PI with training technical staff and students.
- Participate in group meetings and seminars.
- Maintain an accurate and detailed scientific notebook and electronic documentation of all experiments performed. Ensure that others could duplicate results.

Qualifications:

- Background in Microbiology.
- Experience working independently or with limited supervision using microbiological, molecular biology and analytical chemistry techniques.
- Ability to design, set up, and run novel experiments under supervision.
- Recent Ph.D, with laboratory research experience in microbial physiology, environmental or soil microbiology or other related fields.
- Excellent communication skills and ability to write peer reviewed papers with limited supervision.

NOTES: This is a 1-year term appointment with the possibility of renewal based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs.

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[SOUND PRINCIPLE NO. 31]

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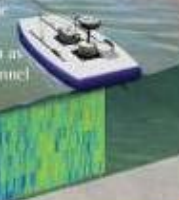
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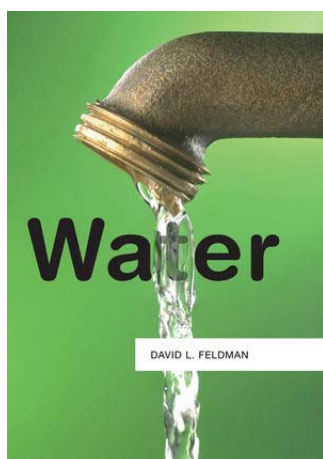
| No. | Meeting topic | Place | Time |
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|--------------|--|--|------------------------|
| 0902 | Conference of the International Erosion Control Association (IECA): Environmental Connection 09 www.ieca.org | Reno, Nevada, USA | Feb 9-12, 2009 |
| 0903 | Conference on Land Degradation in Dry Environments jawadhi@kuc01.kuniv.edu.kw | Kuwait City, Kuwait | Mar 8-14, 2009 |
| 0905a | Global Change, Challenge for Soil Management: From Degradation – Through Soil and Water Conservation – To Sustainable Soil Management www.sfb.bg.ac.yu/erosion2009/ | Tara Mt., Serbia | May 26-30, 2009 |
| 0905b | Conference on “The sustainable development of water resources”, organized by Hydrotechnics Faculty of “Politehnica” University of Timisoara, Romania gcr@mail.dnttm.ro | Timisoara, Romania | May 27-28, 2009 |
| 0906a | The 10th international meeting on Soil with Mediterranean Type of Climate http://www.cnrs.edu.lb/10IMSMTC.pdf | Beirut, Lebanon | Jun 22-26, 2009 |
| 0906b | Conference on “Challenges and Opportunities of Bioindustrial Watershed Development for the Prosperity of the Farming Community”, organized by the Soil Conservation Society of India www.soilcsi.org/ | Bengaluru, India | Jun 25-27, 2009 |
| 0909 | International Conference on Desertification in memory of Professor John B. Thornes http://fobos.bio.um.es/thornes/doku.php , arodi@um.es | Murcia, Spain | Sep 16-18, 2009 |
| 0911 | International Seminar on Upland for Food Security, Faculty of Agriculture, University of Soedirman, Purwokerto, Central Java. Contact Budi Prakoso prabud2001@yahoo.com | Purwokerto, Central Java, Indonesia | Nov 7-8, 2009 |
| 1004a | Interpraevent Conference in the Pacific Rim http://interpreavent2010.nchu.edu.tw/ , scchen@nchu.edu.tw | Taipei, Taiwan | Apr 26-30, 2010 |
| 1004b | 6 th National Seminar on Watershed Management and 4 th National Seminar on Soil Erosion and Sediment. wmconf6@gmail.com , seconf4@gmail.com | Noor, Iran | Apr 28-29, 2010 |
| 1005 | First International Conference on Soil and Roots Engineering Relationship habibibibalani@gmail.com | Ardebil Province, Iran | May 24-26, 2010 |
| 1009 | FAME 2010, an annual event organized by Green World Conferences Contact: Derek Michalski at dm@greenworldconferences.com , www.greenworldconferences.com | Berlin, Germany | Sep 13-14, 2010 |
| 1010 | FIRST WASWAC COUNCIL MEETING and Int. Conf. on Combating Land Degradation in Agricultural Areas: www.ms.iswc.ac.cn , lirui@ms.iswc.ac.cn , wafe@ms.iswc.ac.cn , landcon1010@gmail.com | Xian, Shaanxi, China | October 11-15, 2010 |
| 1011 | International Conference on Cooling the Earth, coolingtheearth2010@rediffmail.com , coolingtheearth2010@gmail.com , drvrsingh@rediffmail.com , www.gbpuat.ac.in | Pantnagar, India | Nov 15-17, 2010 |
| 1012a | International Geographical Union (IGU) Commission Seminar on Land Use, Biodiversity and Climate Change dr.mahfuzarahman@gmail.com , http://iguguwahati2010.org | Guwahati, Assam, India | Dec 11-13, 2010 |
| 1012b | ASADWA Arid and Semi-arid Development through Water Augmentation, Optimizing water resources in a world of water shortage, www.asadwa.ugent.be . Contact asadwa@ugent.be | Valparaiso, Chile | Dec 13-17, 2010 |
| 1101 | SWAT SEA II Workshop and Conference: nguyenkimloi@gmail.com http://ssc.hcmuaf.edu.vn | Ho Chi Minh City, Vietnam | January 4-8, 2011 |
| 1103 | BioWise 2011, an annual event organized by Green World Conferences, Contact: Derek Michalski at dm@greenworldconferences.com , www.greenworldconferences.com | Kuala Lumpur, Malaysia | Mar 14-15, 2011 |
| 1107a | 2nd Conference on Conservation Agriculture in Southeast Asia , Contact Manuel Reyes at mannyreyes@nc.rr.com | Phnom Penh, Cambodia | July 4-7, 2011 |
| 1107b | SWAT Regional Conference and Training Workshop , Contact Li Dingqiang lidingqiang@yahoo.com ; Samran Sombatpanit samran_sombatpanit@yahoo.com | Guangzhou, China | July 24-30, 2011 |

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|------|--|--|-----------------------|
| 1112 | 1st International Symposium on Cashew Nut, Contact: Dr Ravindran, ravi_hort@yahoo.com , http://www.ishs.org/calendar/ | Madurai, Tamil Nadu, India | December 9-12, 2011 |
| 1209 | Sustainable land management and climate changes Contact Miodrag Zlatic at miodrag.zlatic@sfb.bg.ac.rs | Donji Milanovac, Danube region, Serbia | September 17-21, 2012 |
| 1305 | 2nd WASWAC World Conference and Council Meeting , Contact Chinnapat Sukvibool at sukvibool@hotmail.com | Bangkok, Thailand | May 13-18, 2013 |
| 1306 | 3rd SWAT SEEA Workshop and Conference (SWAT SEEA III) , Contact Syaiful Anwar syaifula09@gmail.com | Jakarta-Bogor, Indonesia | June 16-22, 2013 |
| 1312 | 4th Conservation Agriculture Workshop and Conference for South East Asia (CA-SEA IV) , Contact Manuel Reyes mannyreyes@nc.rr.com | Battambang, Cambodia | December 9-13, 2013 |

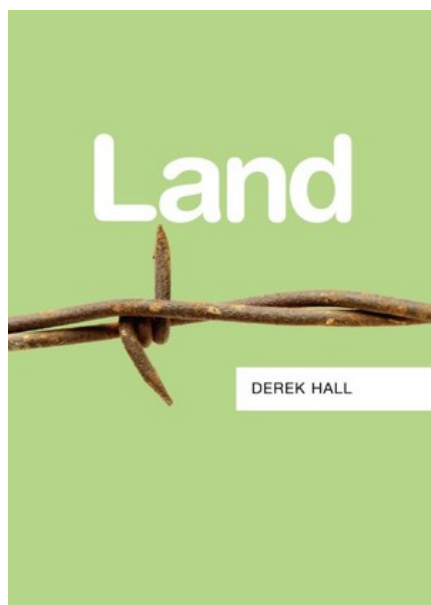


BOOK INTRODUCTIONS



Water is our planet's most precious resource. It is required by every living thing, yet a huge proportion of the world's population struggles to access clean water daily. Agriculture, aquaculture, industry, and energy all depend on it - yet its provision and safety engender widespread conflict; battles likely to intensify as threats to freshwater abundance and quality, such as climate change, urbanization, new forms of pollution, and the privatization of control, continue to grow. But must the cost of potable water become prohibitively expensive for the poor - especially when supplies are privatized? Do technological advances only expand supply or can they carry hidden risks for minority groups? And who bears responsibility for managing the adverse impacts of dams funded by global aid organizations when their burdens fall on some, while their benefits accrue to others? In answering these and other pressing questions, the book shows how control of freshwater operates at different levels, from individual watersheds near cities to large river basins whose water - when diverted - is contested by entire countries. Drawing on a rich range of examples from across the world, it explores the complexity of future challenges, concluding that nations must work together to embrace everyone's water needs while also establishing fair, consistent criteria to promote available supply with less pollution.

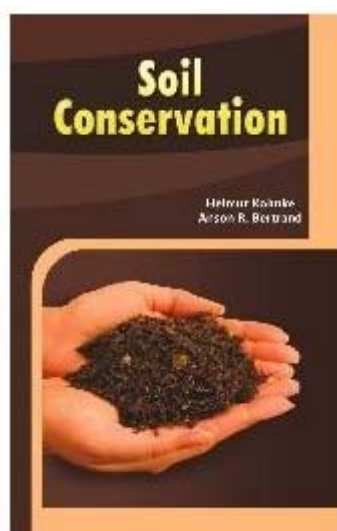
ISBN: 978-0-7456-5033-3. 200 pages.



Land is one of the world's most emotionally resonant resources, and control over it is fundamental to almost all human activity. Struggles over land, argues Derek Hall, relate to three basic principles: its role as territory, its status as property, and the ways in which its use is regulated. This timely introduction explores key dimensions of these themes, including inter-state wars over territory, the efforts of non-governmental organizations to protect property rights and environments in the global South, and the 'land grabs' attempted by contemporary corporations and governments. Drawing on a wide range of cases and examples - from the Afghanistan-Pakistan border to the Canadian Arctic, China's urban fringe to rural Honduras - the book provides new ways of thinking about the political dynamics of land in the 21st century.

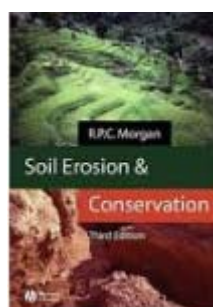
ISBN 978-0-7456-5277-1

2012. 176 Pages, Softcover



The days of agricultural expansion are over, and population of the earth increases day by day. If we are to feed and cloth everybody, it is clear that the productivity of the land must be increased, not just maintained. The maintenance of soil is not so glamorous as the doubling of yield. It is purpose of this book to provide a clear picture of the fundamental nature and cause of soil erosion, of the aims of soil conservation, and of the methods of saving the soil and of maintaining its productivity. For this reason soil conservation has not always received the attention it deserves. It is the purpose of the book to give recipes for soil management, but to help the reader to understand the soil and what happens to it under various forms of land use, so that he himself can work out the solution of any soil-conservation problem.

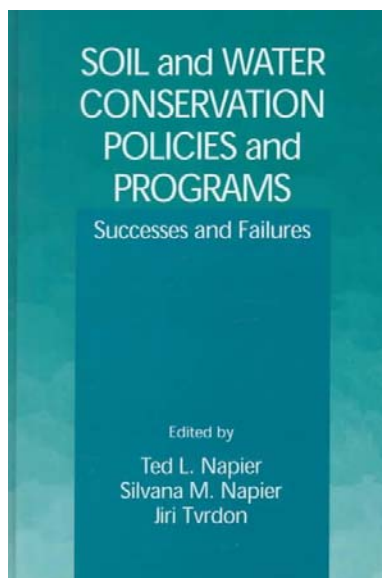
ISBN: 978-8176222013 Hardcover: 298 pages



Features of the third edition of this internationally recognised textbook include:

New material on gully erosion, tillage practices, erosion risk assessment, use of erosion models, incentives for farmers and land users, and community approaches to erosion control; Updated sections on the mechanics of wind erosion, soil erodibility, use of vegetation in erosion control, traditional soil conservation measures, socio-economic issues and the role of government; Describes the methods used to assess the risk of erosion and predict rates of soil loss; Outlines the social, economic, political and institutional constraints on implementing soil protection measures; Covers erosion and its control for agriculture, grazing, forestry, mining land, road banks, pipeline corridors and recreation; Provides worldwide coverage of the success and failure of erosion control using material from Europe, Africa, Australia, America and Asia.

ISBN: 978-1405117814 320 pages



For as far into the future as we can see, governments will probably topple, power will continue to exchange hands, the climate will undergo continuous change, and the global economy will ebb and flow like the oceans. But for the world's many diverse countries—whether they be highly industrialized or third world—one thing will always remain constant: the need to solve the planet's pressing soil and water conservation problems, as well as implement effective policies. But why do some policy initiatives succeed while others fail?

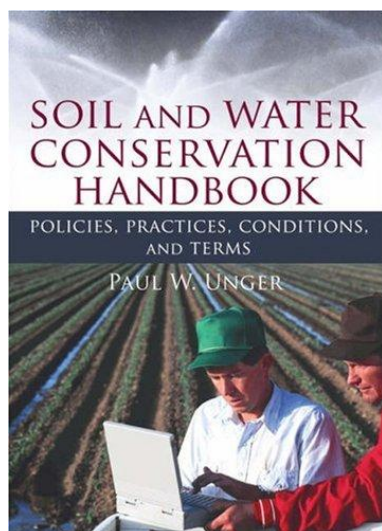
Soil and Water Conservation Policies and Programs: Successes and Failures addresses this very question. Based on an international conference held in Prague, this book debates the strengths and weaknesses of soil and water conservation initiatives implemented in North America, Europe, and Australia. Soil and water conservation policies in the United States, Canada, Germany, Austria, Yugoslavia, and other countries are examined through the eyes of technical and soil scientists. And the book also addresses specialized topics, such as agricultural pollution abatement in Poland, and private farmers and contemporary conservation subsidy programs in the Czech Republic.

With its thorough treatment of the subject matter, Soil and Water Conservation Policies and Programs: Successes and Failures contributes to resolving one of the world's most pressing conservation issues.

Publisher: CRC Press; 1 edition (November 24, 1999)

ISBN: 978-0849300059

Hardcover: 656 pages



Soil and Water Conservation Handbook is a concise, compact encyclopedia of the policies, practices, conditions, and terms related to soil and/or water conservation. This handy A-to-Z guide contains descriptions of more than 700 entries, presented in a practical, non-technical format that's suitable for beginners as well as experts. It's a ready reference source of information for researchers, extension agents, policymakers, academics, and anyone else concerned about soil and water conservation.

Internationally acclaimed soil scientist Dr. Paul Unger has called on his 35 years experience researching the effects of tillage, crop residues, and soil management as well as his observations in more than 40 countries to assemble a resource on soil and water conservation that's concise but comprehensive. Sources for the book's main and secondary entries—many of which are cross-referenced—include technical journals, bulletins, reports, farm magazines, commercial leaflets, books, and Internet resources. Soil and Water Conservation Handbook also includes a detailed table of contents and an index, allowing quick and easy access to any entry.

ISBN: 978-1560223306 248 pages

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Information and documents: <http://www.europeanlandowners.org/about/awards>



Created by: The European Landowner's Organization (ELO) under the auspices of the European Commission (DG Environment and the Joint Research Centre) in association with the University of Natural Resources and Life Sciences (BOKU) of Vienna, Syngenta International and the Centre for Soil and Environmental Sciences of the Ljubljana University

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Tel: +32 (0)2 235 20 04; Fax: +32 (0)2 234 30 09

Email: forest@elo.org

Webpage : www.elo.org



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