

Environment Energy and Water in Nepal: Recent Researches and Direction for Future

31 March - 01 April 2009, Hotel Himalaya, Kathmandu, Nepal

SESSION-WISE LIST OF PRESENTATIONS

31-Mar-09

Session A : GROUNDWATER MANAGEMENT [1045-1145] (Chair/Co-chair - Prof. Futaba Kazama/Dr. Suman Shakya)

Session	Title	Presenter (NATIONALITY/Affiliation)	Co-authors
A01	Isotopic approach for groundwater studies ~Identification of nitrate contamination process	*Takashi Nakamura (JAPAN/University of Yamanashi, Japan)	F. Kazama, S. K. Chapagain, V.P. Pandey, Y. Osada, S. Shrestha
A02	Kathmandu valley aquifer, Nepal: groundwater development and sustainability	Vishnu P. Pandey (NEPAL/University of Yamanashi, Japan)	S.K. Chapagain, F. Kazama
A03	Groundwater Chemistry Variation in the Kathmandu Basin	Jaya K. Gurung (NEPAL/Water Engineering & Training Centre P. Ltd, Kathmandu, Nepal)	B.N. Paudyal, J. Gopali, S. Parajuli, B. Rijal
A04	Estimation of Groundwater Exchange in AALS using Lake Water Balance Model	Sri Wahyuni (INDONESIA/University of Yamanashi, Japan)	S. Oishi, K. Sunada, K.N. Toderich

Session B : ENVIRONMENT MANAGEMENT-GENERAL CONTRIBUTIONS [1300-1500] (Chair/Co-chair - Dr. Roshan R. Shrestha/Dr. Kazuhiro Mori)

B01	Challenges and opportunities to achieve environmental management and poverty alleviation in Nepal: Within the framework of Millennium Development Goals (MDGs)	*Arjun Dhakal (NEPAL/NGO Federation of Nepal)	-
B02	Fluvial particle monitoring system: A case study of Bagmati River	Laxman Poudel (NEPAL/Kathmandu University, Nepal)	B.P. Shrestha, N.K. Shrestha
B03	Fear of heavy metal poisoning due to power crisis in Nepal	Krishna Kafle (NEPAL/Institute of Agriculture and Animal Science, Tribhuvan University, Nepal)	S. Aryal
B04	Fundamental Study on Integrated Sediment Transport in the Mekong River Basin	Kazuhiro Kakizawa (JAPAN/University of Yamanashi, Japan)	K. Sunada, N. Miyazawa, S. Oishi
B05	Study of performance of sewer system of Nagoya City by using numerical simulation technique	Parameshwor Pokhrel (NEPAL/Chubu University, Japan)	M. Takeda, N. Matsuo
B06	Study on the Production and Combustion Properties of Briquettes from Municipal Solid Waste	Anita Shrestha (NEPAL/Central Department of Environmental Science, Tribhuvan University, Nepal)	R.M. Singh
B07	Ecological Footprint and Carbon Footprint Approach of C. A. Members of NEPAL: Responsibility on Environment and Climate change	Sundar Layalu (NEPAL/Khwopa Engineering College, Purbanchal University, Nepal)	D.R. Bhuju, D. Pradhananga
B08	Study of extensive "Green Roofs" in tropical conditions - A case study at Galle, Sri Lanka	Silva G.H.A.C. (Sri Lanka/University of Yamanashi, GCOE-ICRE, Japan)	-

Session C : ENERGY DIVERSIFICATION & ENERGY USE EFFICIENCIES [1515-1730] (Chair/Co-chair - Dr. Dinesh R. Bhuju/Dr. Indra Shakya)

C01	Biomass Maintenance Using Mathematical Model and Database	*Rabin Malla (NEPAL/University of Yamanashi, Japan)	N. Nagao, K. Maezono, Y. Tanaka, K. Mori
C02	Prospects of Water Hyacinth Use for Biogas Synthesis	Suchita Shrestha (NEPAL/Central Dep. of Env. Science, Tribhuvan University, Nepal)	I. Shakya
C03	Electricity crisis in Nepal: Problems, Perspective and Solutions	Krishna P. Dulal (NEPAL/Hokkaido University, Japan)	S. Neupane
C04	Hydropower: A Potential Source of Clean Energy for Sustainable Future	Yadu Pokhrel (NEPAL/Institute of Industrial Science, University of Tokyo, Japan)	T. Oki, S. Kanae
C05	District energy sector perspective plan: A decentralized approach on energy management and planning	Ganesh R. Acharya (NEPAL/MEH Consultants (P.) LTD., Kathmandu, Nepal)	Y.R. Subedi, H.B. Oli
C06	Household Energy Use in Sagarmatha National Park and its Impact on Climate Change	Silu Bhochhibhoya (NEPAL/Kathmandu University, Nepal)	R.K. Maskey, S.N. Khanal, R.K. Pandey
C07	Assessment of Improved Cooking Stove (ICS) in fuel wood consumptions and reducing CO ₂ emission: A case study from TMJ area, Nepal	Leena Bajracharya (NEPAL/IUCN, Nepal)	R.C. Khanal

C08	Energy, Environment and Poverty Reduction in Rural Communities of Nepal: A case study from Okharpauwa VDC, Nuwakot-Nepal	Sakunda Ojha (NEPAL/Tribhuvan University, Nepal)	B. Devkota
C09	Assessment of the fuel wood resources and utilization: a case study of Deutiko Than Community Forest, in Mid hill of Nepal	Navaraj Pokhrel (NEPAL/Lord Buddha Education Foundation, Nepal)	D.P. Joshi

1-Apr-09

Session D: CLIMATE CHANGE & WATER INDUCED DISASTER [1000-1145] (Chair/Co-chair - Dr. Sangam Shrestha/Dr. Dhiraj Dhungana)

D01	Impact of climate change on glacial lakes in Nepal	Rijan Bhakta Kayastha (NEPAL/Kathmandu University, Nepal)	S.M. Bajracharya
D02	Snowmelt Runoff variation in Himalayan Rivers due to Climate Change: a case study in Nepal	Raja Bhai Shilpakar (NEPAL/Institute of Engineering (IOE), Tribhuvan University, Nepal)	N.M. Shakya, A. Hiratsuka
D03	Impact of climate change on water resources and use of positive degree-day method for estimating snow and ice melt and discharge from glacierised Langtang Khola basin, Nepal	Krishna Lamsal (NEPAL/Central Department of Environmental Science, Tribhuvan University, Nepal)	R.B. Kayastha
D04	Impacts of Climate Change over Langtang Valley	Finu Shrestha (NEPAL/Central Department of Hydrology & Meteorology, Tribhuvan University, Nepal)	D. Aryal, S. Shrestha
D05	Flood Hazard Modelling of West Rapti River Basin of Banke District of Nepal	Utsav Bhattarai (NEPAL/Nepal Development and Research Institute, Lalitpur, Nepal)	M.R. Gautam, L.P. Devkota, R. Osti
D06	Koshi Flood Disaster 2008: Issues and Challenges	Basistha Raj Adhikari (NEPAL/ Department of Water Induced Disaster Prevention (DWIDP), Ministry of Water Resources, Nepal)	-
D07	Prediction of flood/debris flow hydrograph due to natural dam failure	Ripendra Awal (NEPAL/Disaster Prevention Research Institute, Kyoto University, Japan)	H. Nakagawa, K. Kawaike, Y. Baba, H. Zang

Session E: WATER QUALITY & PUBLIC HEALTH [1300-1530] (Chair/Co-chair - Dr. Kei Nishida/Dr. Bhupendra Devkota)

E01	Assessing Diarrheal and Skin Diseases of the Communities in the Bagmati River Basin, Nepal	*Bandana Pradhan (NEPAL/Institute of Medicine, Tribhuvan University, Nepal)	O. Moog, K. Messner, F. Zibuschka
E02	Water Management in the Traditional Towns of the Kathmandu Valley - its implication in the present context	Sushmita Shrestha (NEPAL/Khwopa Engineering College, Purbanchal University, Nepal)	B.K. Shrestha
E03	Water Supply Situation in Squatter Communities of Kathmandu	Salina Shrestha (NEPAL/College of Applied Science, Lalitpur, Nepal)	L.P. Devkota
E04	Modified Waste Paper for the Treatment of Arsenic Contaminated Water	Chaitanya R. Adhikari (NEPAL/Saga University, Japan)	B.K. Biswas, D. Parajuli, K. Ohto, K. Inoue
E05	The simple system to improve the groundwater quality	Wilawan Khanitchaidecha (THAILAND/ University of Yamanashi, Japan)	T. Nakamura, T. Sumino and F. Kazama
E06	Socio Economic Study on People Suffering from Arsenicosis: A case study of Nawalparasi District of Nepal	Dikshya Devkota (NEPAL/ Scientific Center for Environmental Consulting (SCEC), Lalitpur, Nepal)	-
E07	Application of Nepalese Biotic Score and its extension for river quality management in central Himalaya	Subodh Sharma (NEPAL/Kathmandu University, Nepal)	O. Moog, H. Neseemann, B. Pradhan, C. Scholz
E08	Biological monitoring – A sustainable water management approach	Deep N. Shah (NEPAL/Hindu Kush Himalayan Benthological Society, Nepal)	R.D.T. Shah
E09	Nutrient bioaccumulation in vegetation grown in bioretention mesocosms	Daya Gautam (NEPAL/Nepal Development and Research Institute (NDRI), Nepal)	M. Greenway
E10	Effects of Sisdol Landfill Leachate on the nearby surface and Groundwater	Rabi Bhattarai (NEPAL/College of Applied Sciences, Tribhuvan University, Nepal)	B. Devkota, A. Kafle

Session F: LAND USE MANAGEMENT [1545-1715] (Chair/Co-chair - Dr. Laxmi P. Devkota/Dr. K.N. Dulal)

F01	Land use management from the groundwater aspects	*Saroj K. Chapagain (NEPAL/University of Yamanashi, Japan)	T. Nakamura, V.P. Pandey, S. Shrestha, F. Kazama
F02	Changing agriculture land use practice towards organics in peri-urban areas of Nepal: Through producers and consumers perspective	Gautam Shrestha (NEPAL/Himalayan College of Agricultural Sciences and Technology, Purbanchal University, Nepal)	G.D. Bhatta, W. Doppler, K. KC.
F03	Using Ecohealth approach for addressing the negative consequences of land use change in shifting cultivation areas of Nepal	Bimal R. Regmi (NEPAL/Local Initiatives for Biodiversity, Research and Development (LI-BIRD), Pokhara, Nepal)	G. Kafle, B. Pradhan, T. Lamsal, G.B. Sharma
F04	Geostatistical analysis of surface soil texture from Zala county in western Hungary	Kabindra Adhikari (NEPAL/Institute for Environment and Sustainability, Italy)	A. Guadagnini, G. Toth, T. Hermann
F05	Landslide hazard assessment and early warning for the sustainable development of Nepal	Ranjan K. Dahal (NEPAL/Tri-Chandra Campus, Tribhuvan University, Nepal)	S. Hasegawa, N.P. Bhandary, R. Yatabe
F06	To estimate the carbon sequestration status of sunaulo ghyampe danda community forest, Katmandu, Nepal	Pabitra Dahal (NEPAL/Central Dep. of Env. Science, Tribhuvan University, Nepal)	M.B. Gewali, S.M. Shrestha

**Invited Speaker*