



The 3rd International Workshop of the Japan-Korea Research Cooperation

Nitrogen Load in Agro-Ecosystems and its Outflow to Water Bodies: Analyses with Monitoring and Modeling

Program

- 09:30~ Opening Speech
- 09:40~ Keynote Speech : Nitrogen Biogeochemistry in Agricultural Watersheds of the
Midwestern USA
Mark B. David (University of Illinois, USA)
- 10:20~ Keynote Speech : Environmental Impacts of Nitrogen Load and its Outflow on
Agriculture: Problems in East Asian Countries
Ryusuke Hatano (Hokkaido University, Japan)
- 11:00~ Comparison of Nitrogen Outflows from the Uplands and Paddy Fields in China
Zucong Cai (Nanjing Institute of Soil Science, CAS, China)
- 11:30~ Assessment of Nitrogen Outflow from Rice Paddies in Korea
Kee-An Roh (NIAST, Korea)
- 13:00~ LEACHM: Modeling of the Solutes Movement in the Soil-Plant System
John L. Hutson (Flinders University of South Australia, Australia)
- 13:30~ Water Flow and Nitrate Transport Through the Vadose Zone and Shallow Aquifer
Below Agricultural Croplands
Sadao Eguchi (NIAES, Japan)
- 14:00~ Mechanisms of Water and Nitrogen Cycling at Basin Scale: A Case Study of
the Kimotsuki River Basin in Kagoshima
Tomijiro Kubota (National Institute of Rural Engineering, Japan)
- 14:30~ Poster Session & Coffee Break
- 15:30~ Estimation of Runoff of Non-point Pollutants at Rural Small Watersheds Using
a Non-point Source Pollution Model
Jin-Ho KIM (NIAST, Korea)
- 16:00~ Model for the Evaluation of Nitrogen Outflows at Field and Basin Scales
Paul S. Davison (ADAS Research, UK)
- 16:30~ General Discussion

