

Session Program

25-29 Sept 2023



9th FRIEND-Water Global Conference 2023 | Institut Confucius | Université Cheikh Anta Diop, Dakar

ST1 | Ecohydrology

Université Cheikh Anta Diop, Dakar, Senegal, Institut Confucius

Tuesday 26 September

11:30

ST1 | Ecohydrology: Dual regulation

Session | **Location:** Amphitheatre | **Conveners:**

Oula AMROUNI, Didier ORANGE, Pascal BREIL, Maciej ZALEWSKI, Ernest AMOUSSOU

11:30–11:45

Quantifying Environmental Water Use

Speaker

Robert MILHOUS

11:45–12:00

Two ecohydrological solutions to reduce urban runoff: examples from Lyon (France) and Quérétaro (Mexico)

Speaker

Pascal BREIL

12:15–12:30

Do the water stable isotopes ($\delta^{18}\text{O}$ and $\delta^2\text{H}$) give insight into the hydrological impact of agroforestry systems? The case of *Faidherbia albida* parklands in the Senegalese Groundnut basin

Speaker

Djim M L DIONGUE

12:30–12:45

The effect of soil moisture on the physiological parameters of millet and groundnut during a period of water deficit at the beginning of rainy season.

Speaker

Mame Balla NDIAYE

12:45–13:00

The augmented biodiversity to improve the domestic waste water cleaning through Nature Based Solutions

Speaker

Didier ORANGE

13:00

14:30

ST1 | Ecohydrology: Dual regulation

Session | **Location:** Room 1 | **Conveners:** Didier ORANGE, Ernest AMOUSSOU, Pascal BREIL, Oula AMROUNI

14:30–14:45

Monitoring of shoreline changes using aerial drone photogrammetry in Mediterranean coast

Speaker

Abderraouf HZAMI

14:45–15:00

Impacts of the spatial evolution of salinity conductivity and hydrogen potential (ph) in the fisheries of Lake Nokoue (southern Benin).

Speaker

Florentin TOTIN

15:00–15:15

Characterizing soil hydraulic properties using best method in a semi-arid agrosystème parc land (the peanut basin of senegal)**Speaker**

Waly FAYE

15:15–15:30

Smartcleangarden concept to provide a value to domestic waste waters in saving waters in tropical cities**Speaker**

Didier ORANGE

15:30–15:45

Quantifying Environmental Water Use**Speaker**

Robert MILHOUS

15:45–16:00

Forest-Water Nexus: An Evapotranspiration assessment of the Kafue River Sub-Basin using remote sensing**Speaker**

Muyaka KAMAMBA

16:00

16:30

ST1 | Ecohydrology: Water related flux/ecosystem services estimation**Session** | **Location:** Room 1 | **Conveners:** Pascal BREIL, Ernest AMOUSSOU, Oula AMROUNI, Didier ORANGE

16:30–16:45

Study of the continental waters of the Republic of Djibouti: physico-chemical characteristics and biological (Biodiversity).**Speaker**

Ibrahim SOULEIMAN ABDALLAH

16:45–17:00

The impacts of competing freshwater resource uses on quality : case of the transboundary Falémé River (Sénégal)**Speaker**

Ange Bouramanding DIEDHIOU

17:00–17:15

Immobilization of *Phragmites australis* peroxidase onto a porous silicon electrode sio 2 /Al to enhance its activity and stability to degrade an azo dye: Amaranth.**Speaker**

Dalila HADDAJI

18:00

Wednesday 27 September

09:00

ST1 | Ecohydrology: Water quality relation to land use

Session | **Location:** Room 2 | **Conveners:** Ernest AMOUSSOU, Oula AMROUNI, Didier ORANGE, Pascal BREIL

09:00–09:15

Groundwater quality and risk assessment of heavy metal pollution using water quality index as a communication tool: Evidence from Ejigbo (Lagos-Nigeria)

Speaker

Isaiah AKOTAYON

09:15–09:30

The characterization of groundwater and assessment of water quality of the Continental Terminal aquifer in Casamance (Senegal): hydrodynamic - multivariate statistic and hydrochemical approach

Speaker

Mouhamet Moustapha DIAW

09:30–09:45

Spatiotemporal variability of water quality parameters in the Niger River

Speaker

Moussa BOUBACAR MOUSSA

09:45–10:00

Monitoring Coastal Ecosystem Evolution for a Sustainable Blue food security

Speaker

Oula AMROUNI

10:00–10:15

Linking fish assemblages to hydro-morphology and physico-chemical parameters in the Pendjari River (Benin - West Africa)

Speaker

Simon AHOUANSOU MONTCHO

10:15–10:30

Application of principal component analysis (PCA) for the physicochemical and bacteriological characterization of a tropical hydro system waters: Case of n'djili river watershed (DRC).

Speaker

Zouera SANI BOUBACAR GOUBE GAOH

10:30