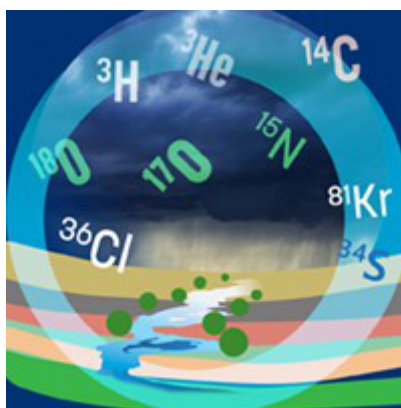


Session Program

20–24 May 2019



International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes CN-271

Poster Session 1

Vienna International Centre, Board Room C
C Building, 4th Floor

Tuesday 21 May

14:45

Poster Session 1: Isotopes in the assessment of groundwater systems

Poster Session | Location: Vienna International Centre, Posters Area - C04, C Building, 4th Floor

Isotope tracers in investigating the effect of water pre-treatment on the decomposition of organic matter in managed aquifer recharge

Speaker

Dr Paula Iris Adalmina Niinikoski-Fusswinkel

Origin of nitrogen at two drinking water reservoirs in Cienfuegos, Cuba. Preliminary results from a stable isotopes perspective.

Speaker

Mr Alejandro Garcia-Moya

Investigating the seasonal dynamics of anaerobic methane oxidation coupled to nitrate reduction using stable isotope technique

Speaker

Alejandra Gisela Pena Sanchez

Assessing the potential of triple isotope analyses of water in groundwater hydrology: examples from Poland

Speaker

Prof. Kazimierz Rozanski

Determination of recharge by means of stable isotopes in the Groundwater from North-Eastern Aquifer of the West Bank/Palestine

Speaker

Mr Saed K K Khayat

The role of isotope hydrology for understanding groundwater dynamics and recharge mechanisms of a hard-rock aquifer in a uranium mining area

Speaker

Mariza Franklin

Use of hydrogeochemical and isotopic tools to evaluate the impact of the agricultural activities in the groundwaters of the Taiguaigüay lagoon basin, Zamora municipality, Aragua state, Venezuela

Speaker

Dr Ramón Luis Montero Mudarra

Isotope monitoring of dangerous water inflows to the Wieliczka salt mine, southern Poland

Speaker

Dr Marek Dulinski

Groundwater quality assessment in Grombalia basin: application of chemical and isotopic (^{15}N , ^{18}O , ^2H , ^3H , ^{14}C , ^{13}C) approaches

Speaker

Siwar Kammoun

Stable isotope compositions of surface waters in Jamaica: Case studies from Rio Cobre and the Milk River watersheds

Speaker

Dr Debbie-Ann Denise Shantie Gordon-Smith

Iron and carbon isotopes in landfill areas**Speaker**

Virginia Grace Barros

Isotope geochemical and molecular biological evidence for chemo-litho-autotrophic microbial denitrification in a fractured rock aquifer**Speaker**

Karsten Osenbrück

Isotopic and hydrochemical investigation of the basement aquifer in the north of Togo**Speaker**

Goumpoukini Boguido

Assessment and study of groundwater contamination in the Zarati River watershed, Cocle Province, Panama**Speaker**

Dr Jose Rogelio Fabrega Duque

Application of isotope techniques to evaluate nitrate contamination in groundwater in Rio Cuarto city (Argentina)**Speaker**

Dr María Jesica Giuliano Albo

Using ^{15}N , ^{17}O , and ^{18}O to determine nitrate sources and fate in wetlands – case study of the Auzon Oxbow, fluvial annex of the Allier River, France**Speaker**

Hélène Celle-Jeanton

Intrusion of saline water into a coastal aquifer containing palaeogroundwater in Estonia**Speaker**

Valle Raidla

Using water chemistry and O-H-N stable isotopes patterns to trace contaminant sources in the Olt River, Romania**Speaker**

Dr Roxana Elena Ionete

Isotope and hydro-geochemical assessment in Jaffna peninsula in northern Sri Lanka for groundwater development aspects**Speaker**

Mr Galapitagedara Ranjan Ratnapriya Karunaratne

Isotopic and hydro-chemical assessment of the Gwandu Formation aquifer, NW Nigeria**Speaker**

Dr Ogechukwu Jennifer Ette

Identifying geochemical processes and recharge in Infra Cambrian and Continental Terminal zone of Burkina Faso and Mali: A combined hydrochemistry and water isotopes approaches**Speaker**

Mr Bouraima Kouanda

The Continental Intercalaire groundwaters of the Tidikelt (In-Salah region). Hydrochemical and isotopic features.

Speaker

Rachid Abdelouahab

An alluvial aquifer as an archive of the Danube River water for the last century

Speaker

Laszlo Palcsu

Use of isotope hydrology in groundwater conceptualization for modeling flow and contaminant transport at northwestern Sinai, Egypt

Speaker

Dr Kamilia Hamed Hagagg Hamed

Improving water quality in vulnerable and shallow aquifers under two intensive fruit and vegetable production

Speaker

Mr Miha Curk

Use of isotopic and chemical tracers to evaluate the impacts of irrigation by treated waste water on groundwater quality in coastal areas: Thyna case study (Sfax-Tunis)

Speaker

Siwar Kassar

An integrative understanding of Mediterranean coastal aquifers based on geochemical and isotopic tracers: the carbonate aquifer of Bonifacio (Corsica Island, France)

Speaker

Sébastien Santoni

Dual geochemical and isotopic approach to study the functioning of the Gabes South phreatic aquifer (south-eastern Tunisia)

Speaker

Mohsen Ben Alaya

Use of environmental isotopes and hydrogeochemistry to assess the effects of pollution caused by agricultural and domestic activities on the quality of groundwater.

Speaker

Manuel Alexis Escudero Vargas

Seasonal change in the origin of terrestrial dissolved nutrients to a pristine micro-estuary (Corsica Island, France)

Speaker

Emilie Garel

Isotope geochemistry as management tools for hydraulic barriers effectiveness in tailings dams

Speaker

Carlos Felipe Quintana Sotomayor

Geochemical and isotopic characterization of groundwater from the Zaccar karst system (Northern Algeria)

Speaker

Rachid Abdelouahab

The importance of ^{18}O and ^2H isotope data to better understand the hydrogeological conceptual model of a waste rock dump

Speaker
Mr Peter Marshall Fleming

Regional and vertical trends in the isotopic composition of groundwater in Alberta, Canada

Speaker
Veith Becker

Strontium isotopic signature of groundwater from aquifers of a semi-arid region in Brazil: Pandeiros River watershed

Speaker
Dr Carlos Alberto Carvalho Filho

The influence of the South Atlantic Convergence Zone on groundwater levels and isotope ratios in the Bauru and Guarani Aquifer Systems in the southern-east region of Brazil

Speaker
Mr ROBERTO KIRCHHEIM

Evaluation of the contamination of the Purapurani aquifer by means of isotopic tools

Speaker
Daniela Alanoca Choque

The stable isotope composition of soil moisture at the radioactive waste repository site, Lithuania

Speaker
Prof. Jonas Mažeika

The IAEA Coordinated Research Project on isotopes to study nitrogen pollution and eutrophication of rivers and lakes

Speaker
Dr Ioannis Matiatos

Recharge estimation of the Purapurani aquifer through isotopic and conventional techniques

Speaker
Mrs Daniela Alanoca Choque

Tracer experiments to forecast the soluble pollutants transport in rivers

Speaker
Dr Rike Völpe

Baseline groundwater quality prior to shale gas development: analysis of multiple environmental isotopes (2H, 18O, 13C, 15N, 87Sr/86Sr, 11B, 3He)

Speaker
Mr Zhenbin Li

Geochemical and isotopic characterization of groundwater in the coastal zone of Nouakchott, Mauritania

Speaker
Bacar Teiss

Formation of hypersaline groundwater in temperate-climate coastal zones: insights from stable isotopes

Speaker
Dr Vincent Post

Using stable isotope tools for the assessment of karstic water origin and source in Georgia

Speaker
George Melikadze

Investigation of ground water quality changes using isotope data and water chemistry (case study: East coast of Lake Urmia, Iran)

Speaker
Dr Werner Balderer

Fluxes, processes, and mechanisms driving nitrogen transport in urban coastal waters

Speaker
Gurpal Toor

Isotopic fingerprinting of nitrate pollution sources in shallow boreholes using stable isotopes technologies

Speaker
Dr Nadia Babiker Ibrahim Shakak

Evaluation of surface and groundwater interaction of the Kilimanjaro Aquifer in the south-western part of Kenya, applying isotope techniques

Speaker
Mrs Agnes Wanjiru Mbugua

Measurements and comparison of uranium and radium isotopes activities and activity ratios in some natural water sources in Morocco.

Speaker
Prof. Abdelmajid Choukri

Evaluation of water quality pollution Indices for heavy metal contamination in the water of Sokoto basin, NW Nigeria.

Speaker
Dr Ogechukwu Jennifer Ette

Use of water ($\delta^{18}\text{O}$, $\delta^2\text{H}$) and nitrate ($\delta^{15}\text{N}$, $\delta^{18}\text{O}$) isotopes for the evaluation of urban and agricultural activities on groundwater in the plain of Azua (Dominican Republic)

Speaker
Yenny Rodríguez De Estepan

Isotopic and hydrogeochemical studies for evaluating aquifer vulnerability to saline water intrusion and groundwater quality of the Western Sundarbans Delta Complex, India

Speaker
Dr Debabrata Das

17:30