

Poster Directory

Poster Session 1 - Monday, April 22 - 5:00-6:30pm

Poster
Number

- 1 **REDOX STATE IN KARST AQUIFERS: IMPACTS OF RIVER WATER INTRUSION AT TWO SPRING SYSTEMS IN THE FLORIDAN AQUIFER SYSTEM** – *Amy Brown*, University of Florida
- 2 **RIVER RESTORATION - ITS IMPACT ON SURFACE AND GROUNDWATER QUALITY** – *Vidhya Chittoor Viswanathan*, Eawag, Swiss Federal Institute of Aquatic Science and Technology
- 3 **EFFECTS OF GROUNDWATER WITHDRAWAL AND ITS AGRICULTURAL USE ON GROUNDWATER QUALITY IN A SHALLOW AQUIFER** – *Nobuyuki Egusa*, Wakayama University; Presented by *S. Watanabe*, Eight-Japan Engineering Consultants Inc.
- 4 **INTEGRATED FIELD ASSESSMENT OF CONTAMINANT FATE AND TRANSPORT IN THE UNSATURATED AND SATURATED ZONE** – *Natalia Fernandez de Vera*, University of Liege
- 5 **COMPARISON OF THE GROUNDWATER QUALITY BETWEEN AREAS IMPACTED AND UNIMPACTED BY URBAN AND INDUSTRIAL DIFFUSE POLLUTION** – *Julie Gesels*, University of Liege
- 6 **DYNAMIC INTERPLAY OF FLOW AND MASS TRANSFER MECHANISMS ACROSS AND WITHIN THE CAPILLARY FRINGE** – *Christina Haberer*, University of Tübingen
- 7 **ANALYTICAL AND NUMERICAL MODELS FOR STABLE CARBON ISOTOPE RATIOS IN CHLOROETHENE PLUMES** – *Patrick Höhener*, Aix-Marseille Université
- 8 **DEVELOPMENT OF A PASSIVE SENSOR FOR MEASURING WATER AND CONTAMINANT FLUX IN THE HYPORHEIC ZONE** – *Leif Layton*, University of Florida
- 9 **THE UTILITY OF MULTIVARIATE STATISTICAL TECHNIQUES AND GEOCHEMICAL MODELING IN HYDROGEOCHEMICAL STUDIES: APPLICATION TO THE SOUMMAM BASIN, ALGERIA** – *Belkhiri Lazhar*, University of Batna
- 10 **WATERSHED EDUCATION FOR ELECTED OFFICIALS, RESOURCE MANAGERS, AND CONCERNED CITIZENS** – *Shannon McGee*, University of Florida- IFAS
- 11 **FEASIBILITY OF INDUSTRIAL WASTEWATER DISPOSAL BY DEEP-WELL INJECTION IN NORTHERN UAE** – *Mohamed Mostafa Mohamed*, United Arab Emirates University -- **WITHDRAWN**
- 12 **UNDERSTANDING NITROGEN SPECIES TRANSPORT IN AN UNSATURATED POROUS MEDIA FOR EFFECTIVE WASTEWATER REUSE** – *Berlin Mohanadhas*, Indian Institute of Technology Madras
- 13 **ATTENUATION OF PHARMACEUTICALS AT THE GROUNDWATER-SURFACE WATER INTERFACE** – *Andreas Musolff*, UFZ - Helmholtz-Centre for Environmental Research
- 14 **WATER QUALITY IN SATCHETS FROM GROUNDWATER IN PORT HARCOURT NIGERIA** – *John Onwuteaka*, Rivers State University of Science and Technology

Poster
Number

- 15 **STATUS QUO AND INFLUENCE ANALYSIS OF NITROGEN RECHARGE AND DISCHARGE BETWEEN SURFACE WATER AND GROUNDWATER IN THE HUAIHE RIVER BASIN, CHINA** – *Zha rong Pan*, Nanjing University
- 16 **URBAN SPRAWL AND GROUNDWATER QUALITY IN NATIONAL CAPITAL REGION OF DELHI, INDIA** – *S.C. Raj*, University of Delhi
- 17 **ASSESSMENT OF GROUNDWATER VULNERABILITY USING GIS - A CASE STUDY FROM LUCKNOW CITY, UTTAR PRADESH, INDIA** – *Anjali Singh*, IIT Roorkee
- 18 **IMPLICATIONS OF HYDROLOGIC CONNECTIVITY BETWEEN HILLSLOPES AND RIPARIAN ZONES ON STREAMFLOW COMPOSITION** – *Jana von Freyberg*, Eawag
- 19 **TRAVEL TIME VARIABILITY: RELATIVE EFFECTS OF AQUIFER HETEROGENEITY AND FLOW PATTERNS** – *Fang Wang*, University of Florida
- 20 **ESTIMATION OF DNAPL SOURCE STRENGTH PARAMETERS AT NASA LAUNCH COMPLEX 34 IN CAPE CANAVERAL, FLORIDA** – *Erin White*, University of Florida
- 21 **TRACER TESTS TO SIMULATE DNAPL STORAGE AND RELEASE FROM LOW-PERMEABILITY ZONES** – *Minjune Yang*, University of Florida

Poster Session 2 - Tuesday, April 23 - 5:00pm-6:30pm

Poster
Number

- 22 **MODELING ENHANCED DISSOLUTION AND DEGRADATION OF CHLORINATED SOLVENTS DURING ENA AND ISCR PILOT EXPERIMENTS** – *Olivier Atteia*, Bordeaux University
- 23 **SEARCHING THE BEST MULTI-TECHNIQUE APPROACH TO ASSESS AN LNAPL VOLUME IN A HIGHLY HETEROGENEOUS ENVIRONMENT** – *Olivier Atteia*, Bordeaux University
- 24 **MULTI-ISOTOPICAL APPROACH TO STUDY REDUCTIVE DECHLORINATION OF AQUIFERS CONTAMINATED BY CHLOROETHENES IN INFLUENT-RIVER CONTEXTS** – *José M. Carmona*, University of Barcelona
- 25 **FATE AND TRANSPORT OF NITROGEN BENEATH SEPTIC DRAINFIELDS** – *Mriganka De*, University of Florida
- 26 **REMEDICATION WITH SURFACTANT FOAM OF POLLUTED SANDY SOILS** – *Estefania Del Campo Estrada*, Laboratoire I2M
- 27 **THE EFFECT OF MODERATE IN SITU THERMAL TECHNOLOGY IN DNAPL SOURCE ZONE REMEDIATION** – *Amy Y. Fu*, University of Florida
- 28 **DEMONSTRATING A NATURAL ORIGIN OF CHLOROFORM IN GROUNDWATER USING STABLE ISOTOPE ANALYSIS** – *Daniel Hunkeler*, University of Neuchâtel
- 29 **EFFECTS OF TRANSFORMATIONS ON THE DISSOLUTION OF A REACTIVE BROMINATED SOLVENT** – *P. Gautham Jeppu*, CSIRO

Poster
Number

- 30 **CHARACTERIZATION OF LNAPL MULTI-COMPONENT DISSOLUTION FROM BATCH EXPERIMENTS** – *Greg Lekmine*, CSIRO Land and Water
- 31 **MULTI-COMPONENT DISSOLUTION FROM RESIDUALLY TRAPPED PETROLEUM HYDROCARBONS** – *Vasudevan Mangottiri*, Indian Institute of Technology Madras
- 32 **SELENITE REDUCTION BY DISSIMILATORY METAL REDUCING BACTERIA IN A MICROFLUIDIC PORE NETWORK** – *Kyle Michelson*, University of Illinois at Urbana-Champaign
- 33 **IN-SITU INSTALLATION OF PERMEABLE REACTIVE BARRIERS USING SLOW-RELEASE SOURCE TECHNIQUE** – *Mohamed Mostafa Mohamed*, United Arab Emirates University -- **WITHDRAWN**
- 34 **INTERPETING ASYMETRIC RECOVERY CURVES OBTAINED DURING PUSH-PULL PARTITIONING TRACER TESTS** – *Katie Muller*, Tufts University
- 35 **NUMERICAL EVALUATION OF NITRATE POLLUTION REMEDIATION** – *Kei Nakagawa*, Nagasaki University
- 36 **CLUSTERING-BASED SITE SELECTION METHODS FOR CHARACTERIZATION OF GROUNDWATER HYDROLOGY** – *Nathan Potratz*, Florida State University
- 37 **ANALYSIS OF POREWATER AND GROUNDWATER DATA TO IDENTIFY REDUCTIVE DECHLORINATION OF CHLOROETHENES IN TRANSITION ZONES AND AQUITARDS** – *Diana Puigserver*, University of Barcelona -- **WITHDRAWN**
- 38 **BIODEGRADATION OF POLAR COMPOUNDS FORMED FROM WEATHERED DIESEL** – *Geoffrey Puzon*, CSIRO Land and Water
- 39 **POTENTIAL LNAPL MIGRATION FROM DISPOSED INTERMEDIATE LEVEL WASTE** – *Michael Rivett*, University of Birmingham
- 40 **INCREASING GROUNDWATER QUALITY MANAGEMENT THROUGH COST ACCOUNTING TECHNIQUES AND MICROECONOMIC TOOLS** – *Martin Sabo*, Community College of Denver
- 41 **PERFORMANCE EVALUATION OF A DUAL FLOW RECHARGE FILTER FOR IMPROVING GROUNDWATER QUALITY** – *Manoj Samuel*, Indian Council of Agricultural Research
- 42 **CHARACTERIZATION OF SPATIAL AND SEASONAL VARIATION OF GROUNDWATER NITROGEN IN SEPTIC AREAS** – *Huaiwei Sun*, Florida State University
- 43 **ASSIMILATING SOLUTE TRANSPORT DATA TO IDENTIFY A HETEROGENEOUS CONDUCTIVITY FIELD VIA AN ENSEMBLE KALMAN FILTER METHOD** – *Juxiu Tong*, China University of Geosciences, Beijing
- 44 **COMPETITIVE SOLUBILIZATION OF TRICHLOROETHENE AND TETRACHLOROETHENE FROM NON-AQUEOUS PHASE LIQUID MIXTURES** – *Douglas Walker*, Tufts University
- 45 **UNCERTAINTY ANALYSIS OF URANIUM ADSORPTION/DESORPTION ON DIFFERENT SIZE FRACTION IN SEDIMENTS WITH MULTI-RATE MODEL** – *Xiaoying Zhang*, Florida State University

Poster Session 3 - Wednesday, April 24 - 5:00pm-6:30pm

Poster
Number

- 46 **HYDRO-CHEMICAL DATA ANALYSIS OF AL-JAUF AREA IN SAUDI ARABIA USING THE DUROVPWIN PROGRAM** – *Abdulaziz Al Bassam*, King Saud University
- 47 **OPTIMIZATION OF COMMUNITY-SCALE MANAGED AQUIFER RECHARGE SYSTEMS IN SOUTH-WESTERN BANGLADESH** – *Jessica Barker*, The University of Western Ontario
- 48 **ORGANISATIONAL CHALLENGES IN COMBINING ATES WITH REMEDIATION** – *Martin Bloemendal*, Delft University of Technology
- 49 **INTEGRATION OF FLUX MEASUREMENTS WITH HISTORICAL MONITORING DATA: A COASTAL SITE CASE STUDY** – *Michael Brooks*, U.S. EPA, Office of Research and Development
- 50 **HIGH PHOSPHASTE BEARING SEDIMENTS IN A SALINIZED COASTAL AQUIFER** – *Nicolò Colombani*, University of Ferrara
- 51 **MEASURING TRANSIENT GROUNDWATER VELOCITIES IN AQUIFERS WITH POINT VELOCITY PROBES** – *Rick Devlin*, University of Kansas
- 52 **AN ANALYTICAL MODEL FOR SOIL VAPOR EXTRACTION FROM A PRESSURE-CONTROLLED WELL** – *Chiu-Shia Fen*, Feng Chia University
- 53 **EXAMINING THE ROLE OF GEOLOGIC HETEROGENEITY ON SPRING WATER QUALITY IN NORTH FLORIDA** – *Wesley Henson*, UF Water Institute
- 54 **IMPACTS OF HETEROGENEOUS HYDRO- AND GEOCHEMOFACIES DISTRIBUTION ON CONTAMINANT TRANSPORT** – *Dominik Höyng*, University of Tübingen
- 55 **TIME VARYING GROUNDWATER FLUX MEASUREMENTS USING A SINGLE WELL TRACER TECHNIQUE** – *Pierre Jamin*, University of Liege
- 56 **HYDROCHEMISTRY AND GIS BASED GROUNDWATER QUALITY MAPPING OF JAMMU DISTRICT, JAMMU & KASHMIR, INDIA** – *Prof. Avtar Singh Jasrotia*, University of Jammu
- 57 **MONITORING THE GAS FLUX AT SOIL SURFACE DURING AIR SPARGING WITH CONTROLLED GAS FLOW DIRECTION IN AQUIFER** – *Heonki Kim*, Hallym University
- 58 **MANAGED AQUIFER RECHARGE IN SHORT ROTATION FORESTED AREAS** – *Micòl Mastrocicco*, University of Ferrara
- 59 **DEVELOPMENT AND EVALUATION OF ALKALINITY RELEASE EMULSIONS FOR CONTROL OF GROUNDWATER PH** – *Katherine Muller*, Tufts University
- 60 **MOUNT TAFTAN GROUNDWATER QUALITY, SOUTHEASTERN IRAN** – *Reza Namdar Ghanbari*, University of Wisconsin-Milwaukee
- 61 **QUALITY ASSESSMENT OF GROUNDWATER IN UNIVERSITY OF LAGOS, LAGOS, NIGERIA** – *Mary Odukoya*, University of Lagos -- **WITHDRAWN**

8th IAHS International Groundwater Quality Conference (GQ13)

Poster
Number

- 62 **GEOGRAPHICAL INFORMATION SYSTEM TECHNIQUES FOR HYDRO CHEMICAL EVALUATION OF SURFACE AND GROUNDWATER QUALITY OF ABEOKUTA, SOUTHWEST NIGERIA.** – *Nurudeen Oduniyi*, Olabisi Onanbanjo University, Ogun State, Nigeria
- 63 **USE OF AL-WTRS IN PERMEABLE REACTIVE BARRIERS TO LIMIT GROUNDWATER PHOSPHORUS MOVEMENT IN THE LAKE OKEECHOBEE BASIN –** *William Schmahl*, University of Florida
- 64 **MODELING PRECIPITATION-DISSOLUTION PATTERNS IN DEDOLOMITIZATION HIGH-RESOLUTION LABORATORY EXPERIMENTS –** *Gemma Serra Prat*, IDAEA-CSIC
- 65 **GEOLOGIC CONTROLS ON SOLUTE TRANSPORT DYNAMICS IN A COMPLEX EOGENETIC KARST BASIN –** *Vibhava Srivastava*, University of Florida
- 66 **HYDROCHEMICAL ASSESSMENT OF GROUNDWATER OF A COASTAL AQUIFER: A CASE STUDY FROM SW-NIGERIA.** – *Moshood N. Tijani*, Ekiti State University, Ado-Ekiti -- **WITHDRAWN**
- 67 **HYDROGEOCHEMICAL CHARACTERIZATION OF GROUNDWATER SYSTEM IN A COMPLEX WEATHERED BASEMENT TERRAIN –** *Moshood N. Tijani*, University Of Ibadan, Ibadan, Nigeria -- **WITHDRAWN**
- 68 **GROUNDWATER QUALITY ASSESSMENT NEAR A MUNICIPAL DUMPSITE,.UYO, AKWA IBOM STATE IN SOUTHEASTERN NIGERIA –** *Charles Udosen*, University of Uyo, Nigeria
- 69 **VARIATION OF GROUNDWATER GEOCHEMISTRY IN TAKLIMAKAN DESERT, CHINA –** *Zhimin Wang*, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China
- 70 **SOURCES OF NITRATE IN GROUNDWATER: A CASE STUDY FROM THREE AREAS IN CENTRAL NAMIBIA –** *Heike Wanke*, University of Namibia -- **WITHDRAWN**
- 71 **A NEW METHOD FOR MEASURING THE WATER CONTENT OF OIL-CONTAMINATED POROUS MEDIA –** *Xilai Zheng*, Ocean University of China