**Day 1  September 18, 2017**

**08:30-09:00  Registrations**

**Hall @ Bauhinia**

**confferenceseries.com**  **09:00-09:15  Opening Ceremony**

### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:15-10:00</td>
<td>Available water resources index as an innovation on water quantity environments</td>
<td>Hi-Ryong Byun, Pukyong National University, South Korea</td>
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<tr>
<td>10:00-10:45</td>
<td>Constraining groundwater flow model uncertainty: Workflow and application to deep low-permeable formations</td>
<td>Dirk Mallants, Commonwealth Scientific and Industrial Research Organisation, Australia</td>
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### Group Photo

Networking & Refreshments 10:45-11:00 @ Foyer

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<td>11:00-11:45</td>
<td>Inclusion of hydrological indicators in the evaluation of forest restoration</td>
<td>Kelly Cristina Tonello, Federal University of São Carlos, Brazil</td>
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### Sessions:

- Ground Water
- Remote Sensing and GIS for Watershed Analysis
- Watershed Management
- Water Resource Planning and Management
- Environmental Engineering
- Hydrology

### Session Chair:

**Mehman Agarza Oglu Rzayev**, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan

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<td>11:45-12:15</td>
<td>A hierarchical approach for change detection of water areas using a multi-scale tile map</td>
<td>Yilang Shen, Wuhan University, China</td>
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<tr>
<td>12:15-12:45</td>
<td>Comprehensive analysis of the CATHY model sensitivity to soil hydrodynamic properties of a tile-drained agricultural micro-watershed</td>
<td>Mushombe Muma, Universite Nouveaux Horizons, DR Congo</td>
<td></td>
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<tr>
<td>12:45-13:15</td>
<td>Investigation on the swelling characteristics and unsaturated shear strength of expansive soils from Arba Minch in Ethiopia</td>
<td>Bantayehu Uba, Hawassa University, Ethiopia</td>
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Lunch Break 13:15-14:00 @ Ball room C

### 14:00-14:45

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<td>14:00-14:45</td>
<td>Water as important geoeocological resource for the strategy of humanity’s survival</td>
<td>Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia</td>
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Special Session Title: Performance, problems and remedial measures for roads constructed on expansive soil in Ethiopia – A review

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<td>Rationalization of sustainability of water resources in Azerbaijan under intensive agriculture</td>
<td>Mehman Agarza Oglu Rzayev, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan</td>
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<td>15:30-17:00</td>
<td>Raise the compulsion theory of sustainability in rural drinking water supply system</td>
<td>Lila Prasad Limbu, Tribhuvan University, Nepal</td>
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Lunch Break 13:15-14:00 @ Ball room C

### 16:00-16:30

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<td>16:00-16:30</td>
<td>Groundwater suitability assessment before and after flash flood in the arid region, Western Saudi Arabia</td>
<td>Jalal M Basahi, King Abdulaziz University, Saudi Arabia</td>
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Network & Refreshments 15:45-16:00 @ Foyer

### Panel Discussion
Day 2   September 19, 2017

Hall @ Bauhinia

Workshop

EARTH SCIENCE AND CLIMATE CHANGE
and
WATER RESOURCES SUMMIT
Combined Workshop

Title: Aqua-space suit as new geotechnology and universal human preventive mean during of heliophysical and climatic changes

Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia

Networking & Refreshments 11:00 -11:15 @ Foyer

EARTH SCIENCE AND CLIMATE CHANGE
and
WATER RESOURCES SUMMIT
Combined Workshop

Title: Aqua-space suit as new geotechnology and universal human preventive mean during of heliophysical and climatic changes (CONTINUED)

Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia

Lunch Break 12:15-13:15 @ Ball room C

Special Session

Title: The Oxygenic Photogranel (OPG) process as a novel technology for wastewater treatment

Ahmed Abouhend, UMass Amherst, USA

Sessions:
Hydrometeorology  |  Water Quality Modelling  |  Climate Change  |  Geotechnical Engineering  |  Fluid Mechanics

Session Chair: Mehman Agarza Oglu Rzayev, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan

14:00-14:30  Title: Removal of excess toxic mercury (II) and arsenic (III) from wastewater by fish scales waste materials
Morlu Stevens, Botswana International University of Science and Technology, Botswana

14:30-15:00  Title: Key factors for flood control operation
Tae Jin Kim, Daegu University, South Korea

15:00-15:30  Title: Evaluation of statistical downscaling methodologies for Indian river basin
Kanhu Charan Patra, National Institute of Technology Rourkela, India

Panel Discussion

Closing Ceremony

Next in Series

2nd International conference on Sustainable Water Resource Management and Development

April 23-24, 2018   Dubai, UAE