



## Advanced in Smart Water Grid at Water Supply Systems: Principle and Application

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### Message from the Guest Editors

The purpose of tap water was to provide an abundance of water for the first generation and safe and clear water for the second generation, but, in recent years, its purpose has been changing to the supply of healthy water with the development of ICT. To supply such healthy water, it is important to secure sufficient water resources, provide stable water quality, and supply water with sufficient minerals necessary for the human body. To achieve this goal, all water information on quantity and quality from water resources to water purification plants, water distribution systems, and households must be monitored. All water quality parameters including minerals must be accurately identified, and facilities must be operated optimally. To this end, a smart water grid (SWG), including information & communication technology (ICT), must be practically applied. SWG is an advanced water management technology and has recently attracted great attention worldwide. In this Special Issue, the process and principles of SWG were described. In addition, the intensive direction of SWG was suggested to enable optimal operation and maintenance when applied to the practical water supply systems.





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## Message from the Editor-in-Chief

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