

**Determination of the corresponding roughness height in a WDS model containing old rough pipes**

**Annus, Ivar; Vassiljev, Anatoli; Kändler, Nils; Kaur, Katrin** Journal of water supply : research and technology - AQUA 2020 / p. 201–209 <https://doi.org/10.2166/aqua.2019.080>

**Flow dynamics in a pipe containing uneven roughness elements**

**Kaur, Katrin; Vassiljev, Anatoli; Annus, Ivar; Truu, Murel; Kändler, Nils** WDSA CCWI : proceedings book 2022 / 11 p. : ill <https://drive.google.com/file/d/1sTPCrwLPmq-2C0-NX8siSfWp9WLd54A/view>

**Numerical investigation of the impact of irregular pipe wall build-up on velocity in the water distribution system**

**Kaur, Katrin; Vassiljev, Anatoli; Annus, Ivar; Kändler, Nils; Roosimägi, Janet** Journal of Water Supply: Research and Technology - AQUA 2020 / p. 647–655 <https://doi.org/10.2166/aqua.2020.035>