

Agricultural activity and river water quality

Vassiljev, Anatoli; Blinova, Irina International conference HYDROTOP 99 : Marseille, France, June 15-17, 1999 1999 / p. 181-187

An assessment of riverine loads of nutrients to the Lake Peipsi

Stalnacke, Per; Sults, Ülo; **Vassiljev, Anatoli**; Skakalski, Boris; Botina, A.; Roll, G.; Pachel, Karin; Maltzman, T. Archiv für Hydrobiologie 2002 / p. 437-457

Analysis of the water flow in the water distribution system from point view of hydraulic energy

Koppel, Tiit; Vassiljev, Anatoli Proceedings of the International Conference "Hydraulics (Science and Discipline)" 2004 / p. 46-47

Automatic calibration module for an urban drainage system model

Annus, Ivar; Vassiljev, Anatoli; Kändler, Nils; Kaur, Katrin Water 2021 / art. 1419 <https://doi.org/10.3390/w13101419> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Automatic calibration toolbox for SWMM5

Vassiljev, Anatoli; Suits, Kristjan; Kaur, Katrin; Kändler, Nils; Truu, Murel; Annus, Ivar Advances in engineering software 2023 / art. 103528 <https://doi.org/10.1016/j.advengsoft.2023.103528> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Background leakage assessment for BBLAWN

Vassiljev, Anatoli; Koppel, Tiit; Puust, Raido Procedia engineering 2014 / p. 111-117 : ill <https://doi.org/10.1016/j.proeng.2014.11.166> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Battle of the water calibration networks

Ostfeld, Avi; **Koppel, Tiit; Vassiljev, Anatoli** Journal of water resources planning and management 2012 / p. 523-532 : ill <https://ascelibrary.org/doi/10.1061/%28ASCE%29WR.1943-5452.0000191>

Calibration of a model of an operational water distribution system containing pipes of different age

Koppel, Tiit; Vassiljev, Anatoli Advances in engineering software 2009 / 8, p. 659-664 : ill

Calibration of the model of an operational water distribution system

Vassiljev, Anatoli; Koppel, Tiit; Puust, Raido CCWI 2005 : proceedings of the Eighth International Conference on Computing and Control for the Water Industry : Exeter, UK. Volume 1 2005 / p. 155-159 : ill

Calibration of the model of an operational water distribution system

Vassiljev, Anatoli; Koppel, Tiit Proceedings of the Fifth International Conference on Engineering Computational Technology 2006 / Paper 155 [10] p. : ill

Calibration of the model of an operational water distribution system

Koppel, Tiit; Vassiljev, Anatoli World Water Congress : Vienna, Austria, 7-12 September 2008 2008 / [8] p <https://www.sciencedirect.com/science/article/pii/S0965997808001981>

Calibration of the water distribution network model

Koppel, Tiit; Kändler, Nils; Vassiljev, Anatoli Proc. of the Conference "Water Resources Management 2001" 2001 / p. 207-217

Calibration of water distribution network for BWCN

Koppel, Tiit; Vassiljev, Anatoli Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12-15, 2010 2010 / [10] p.: ill

Changes in nutrient levels in some Eastern European rivers in response to large-scale changes in agriculture

Stalnacke, Per; Vandsemb, Stine; **Vassiljev, Anatoli**; Grimvall, A.; Jolankai, G. Proceedings of 6th International Conference on Diffuse Pollution 2002 / p. 267-274

Changes in nutrient levels in some Eastern European rivers in response to large-scale changes in agriculture

Stalnacke, Per; Vandsemb, Stine; **Vassiljev, Anatoli**; Grimvall, A.; Jolankai, G. Water science and technology 2004 / 3, p. 29-36 : ill

Comparative analysis of hydrological and hydrochemical data from small watersheds

Loigu, Enn; Vassiljev, Anatoli; Iital, Arvo; Vagstad, Nils; Deelstra, Johannes XX Nordic Hydrological Conference, Helsinki, Finland, 10-13 August, 1998. Vol. 1 1998 / p. 225

Comparison of the MONERIS and MESAW models for the Peipsi lake watershed

Vassiljev, Anatoli; Venohr, M.; Tuvikene, L. First MONERIS user conference : Nutrient Fluxes in River Basins - State of Play and Perspectives : Berlin, November 18th-20th, 2009 2009 / p. 1-2

Comparison of two one-dimensional nitrogen leaching models at the watershed scale

Vassiljev, Anatoli Environmental engineering science 2006 / 1, p. 225-229 : ill <https://www.liebertpub.com/doi/10.1089/ees.2006.23.225>

Complex approach to the water network model calibration and the leakage distribution

Ainola, Leo; Koppel, Tiit; Vassiljev, Anatoli Hydraulic Engineering Software VIII : [Eighth International Conference on Hydraulic Engineering Software : HYDROSOFT 2000] 2000 / p. 91-100 : ill <https://www.witpress.com/Secure/elibrary/papers/HY00/HY00008FU.pdf>

Construction of water network model

Kändler, Nils; Koppel, Tiit; Vassiljev, Anatoli 4th International Congress and Trade Fair "Water : Ecology and Technology" : ECWATECH-2000 : Moscow, 30 May - 2 June 2000 : abstracts 2000 / p. 246-247

Controlling peak runoff from plots by coupling street storage with distributed real time control

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli Urban water journal 2022 / p. 97-108 : ill <https://doi.org/10.1080/1573062X.2021.1958235>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Controlling stormwater runoff from impermeable areas by using smart inlets

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido; Kaur, Katrin New trends in urban drainage modelling : UDM 2018 : Conference proceedings 2019 / p. 263-268 https://doi.org/10.1007/978-3-319-99867-1_44 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Correction of demand patterns on the basis of pressure measurements

Koppel, Tiit; Vassiljev, Anatoli Proceedings of the Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing : Chania, Crete, Greece, 6–9 September 2011 2011 / [9] p
https://www.researchgate.net/publication/269133085_Correction_of_Demand_Patterns_on_the_Basis_of_Pressure_Measurements

Database driven hydraulic model creation procedure

Koor, Margus; Puust, Raido; Vassiljev, Anatoli; Koppel, Tiit WDSA 2012 : 14th Water Distribution Systems Analysis Conference : 24-27 September 2012 in Adelaide, South Australia 2012 / p. 407-414
https://www.researchgate.net/publication/289399341_Database_driven_hydraulic_model_creation_procedure

Database driven updatable hydraulic model for decision making

Koor, Margus; Puust, Raido; Vassiljev, Anatoli Procedia engineering 2014 / p. 959-968 : ill
<https://doi.org/10.1016/j.proeng.2014.02.107> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Decreasing leakage and operational cost for BBLAWN

Vassiljev, Anatoli; Puust, Raido Journal of water resources planning and management 2016 / art. C4015011
[https://doi.org/10.1061/\(ASCE\)WR.1943-5452.0000612](https://doi.org/10.1061/(ASCE)WR.1943-5452.0000612) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Developing a framework for smart stormwater management in Tallinn, Estonia

Suits, Kristjan; Vassiljev, Anatoli; Kaur, Katrin; Kõiv, Kerta; Kändler, Nils; Annus, Ivar Engineering Proceedings 2024 / art. 23
<https://doi.org/10.3390/engproc2024069023> [Journal metrics at Scopus](#) [Article at Scopus](#)

Different approaches for calibration of an operational water distribution system containing old pipes

Annus, Ivar; Vassiljev, Anatoli Procedia engineering 2015 / p. 526-534 : ill <https://doi.org/10.1016/j.proeng.2015.08.900> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Drained peat soils as diffuse nutrient source

Vassiljev, Anatoli; Blinova, Irina First MONERIS user conference : Nutrient Fluxes in River Basins - State of Play and Perspectives : Berlin, November 18th-20th, 2009 2009 / p. 3-4

Drained peat soils as source of diffuse pollution

Vassiljev, Anatoli; Blinova, Irina Hydrology : from Research to Water Management : XXVI Nordic Hydrological Conference, Nordic Association for Hydrology, Riga, Latvia, August 9-11, 2010 2010 / p. 108-109

A dual-porosity model for nitrogen leaching from a watershed

Vassiljev, Anatoli; Grimvall, A.; Larson, M. Hydrological sciences journal 2004 / p. 313-322 <https://doi.org/10.1623/hysj.49.2.313.34836>

Energy-based analysis for rehabilitation of water distribution networks

Ainola, Leo; Koppel, Tiit; Vassiljev, Anatoli Proceedings of the EWA/AGHTM Conference "Operation and Maintenance of Sewer and Water Pipes", Paris, 2003 2003 / p. 163-175

Estimation of emission - and retention coefficients in Estonia rivers

Loigu, Enn; Vassiljev, Anatoli Hydrology and Environment : proceedings of the Baltic States Hydrology Conference, Kaunas, 1997 / p. 117-122

Estimation of real-time demands on the basis of pressure measurements

Vassiljev, Anatoli; Koppel, Tiit Proceedings of the Eight International Conference on Engineering Computational Technology 2012 / Paper 54, [9] p.: ill <https://www.sciencedirect.com/science/article/pii/S0965997814001720>

Estimation of real-time demands on the basis of pressure measurements by different optimization methods

Vassiljev, Anatoli; Koppel, Tiit Advances in engineering software 2015 / p. 67-71 : ill <https://doi.org/10.1016/j.advengsoft.2014.09.023>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of real-time water fluxes in water distribution system on the basis of pressure measurements

Koppel, Tiit; Vassiljev, Anatoli Advances in engineering software 2013 / p. 19-23 : ill <https://doi.org/10.1016/j.advengsoft.2012.11.012>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of water residence time in rivers for large scale hydrochemical modelling

Liden, Rikard; Vassiljev, Anatoli XX Nordic Hydrological Conference, Helsinki, Finland, 10-13 August, 1998. Vol. 2 1998 / p. 576-585: ill

Evaluation of water quality response to sudden changes in the amounts of fertilizers used in Estonia

Loigu, Enn; Vassiljev, Anatoli Hydrology and Environment : proceedings of the Baltic States Hydrology Conference, Kaunas, 1997 / p. 123-130

Excel-based tool for automatic calibration of urban drainage system models

Vassiljev, Anatoli; Annus, Ivar; Kändler, Nils; Truu, Murel; Kaur, Katrin; Suits, Kristjan Environmental Sciences Proceedings 2022 / art. 30 <https://doi.org/10.3390/environsciproc2022021030>

Experience in modeling of water supply systems

Koppel, Tiit; Vassiljev, Anatoli Congress publications of ECWATECH-2004 : 1-4 June 2004, Moscow. 2 2004 / p. 912

Experience of calibration of model of water supply system

Ainola, Leo; Koppel, Tiit; Kändler, Nils; Vassiljev, Anatoli 5th International Congress ECWATECH-2002, Moscow : abstracts 2002 / p. 214-215

Experience on separation of the total flow into fast and slow flow

Vassiljev, Anatoli XX Nordic Hydrological Conference, Helsinki, Finland, 10-13 August, 1998. Vol. 2 1998 / p. 423-429: ill

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>

Flow dynamics in a pipe with a sudden change in diameter

Annus, Ivar; Kaur, Katrin; Vassiljev, Anatoli; Laanearu, Janek; Šanin, Märt 14th International CCWI Conference : 7-9 November 2016 2016 / [8] p. : ill

Hydraulic modelling of stratified bi-directional flow in a river mouth

Laanearu, Janek; Vassiljev, Anatoli; Davies, Peter A. Engineering and computational mechanics 2011 / p. 207-216 : ill
https://www.researchgate.net/publication/259638019_Hydraulic_modelling_of_stratified_bi-directional_flow_in_a_river_mouth

Hydraulic power analysis of flows in water distribution network

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli CCWI 2005 : proceedings of the Eighth International Conference on Computing and Control for the Water Industry : Exeter, UK. Volume 1 2005 / p. 317-322

Hydrological conditions in the salmon rivers

Vassiljev, Anatoli Present and potential production of salmon in Estonian rivers 2001 / p. 11-14 : ill

Insights gained from stormwater e-monitoring in Viimsi, Estonia

Suits, Kristjan; Rajarao, Gunaratna K.; Kändler, Nils; Vassiljev, Anatoli; Annus, Ivar CEST Proceedings 2023 / 4 p
<https://doi.org/10.30955/gnc2023.00303>

Integrated decision support system for pluvial flood-resilient spatial planning in urban areas

Truu, Murel; Annus, Ivar; Roosimägi, Janet; Kändler, Nils; Vassiljev, Anatoli; Kaur, Katrin Water 2021 / art. 3340, 19 p. : ill
<https://doi.org/10.3390/w13233340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Interactions between hydrology and nutrient runoff in small agricultural catchments. A comparative study of Estonian, Latvian and Norwegian catchments

Deelstra, Johannes; Vagstad, Nils; **Loigu, Enn; Vassiljev, Anatoli**; Jansons, Viesturs XX Nordic Hydrological Conference, Helsinki, Finland, 10-13 August, 1998. Vol. 1 1998 / p. 120-128: ill

Investigation of effluence from drained peatlands on diffuse nutrient load from watershed

Vassiljev, Anatoli; Blinova, Irina; Ennet, Peeter; Ilomets, M. Book of abstracts : 12th International Conference on Integrated Diffuse Pollution Management (IWA DIPCON 2008) : Thailand, 25-29 August 2008 2008 / [6] p

Investigation of possible nutrient sources in Estonian rivers

Vassiljev, Anatoli; Margus, Gertu; Annus, Ivar; Stalnacke, Per Procedia engineering 2016 / p. 188-195 : ill

<https://doi.org/10.1016/j.proeng.2016.11.038> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Investigation of the nutrients source apportionment

Vassiljev, Anatoli; Blinova, Irina; Vennik, Kersti Nordic Hydrological Conference : Uppsala, Sweden, 26-30 June 2000. Vol. 1 2000 / p. 215-222 : ill

Investigation of the temporal changes in the nutrient pollution load from the small watersheds in Estonia

Blinova, Irina; Vassiljev, Anatoli Proc. 8th IWA International Conference on Diffuse/Nonpoint Pollution : 24-29 Oct. 2004, Kyoto, Japan 2004 / p. 893-900

Investigation of trends of concentrations in Estonian rivers and emission coefficients

Vassiljev, Anatoli; Blinova, Irina Nordic Hydrological Conference : Uppsala, Sweden, 26-30 June 2000. Vol. 1 2000 / p. 208-214 : ill

Is water quality based stormwater management actually feasible? A SWMM-based study on the trade-offs of various stormwater management approaches

Suits, Kristjan; Vassiljev, Anatoli; Annus, Ivar; Kändler, Nils WDSA CCWI : proceedings book 2022 / 11 p. : ill

https://drive.google.com/file/d/1sTPCwL_Pmq-2C0-NX8siSfWp9WLIId54A/view

Lake Peipsi

Nõges, Tiina; **Leisk, Ülle; Loigu, Enn; lital, Arvo; Hannus, Maila; Vassiljev, Anatoli; Blinova, Irina** 2001

https://www.ester.ee/record=b1487291*est

Land use change in Europe and implications for agriculture and water resources

Krysanova, Valentina; Wechsung, Frank; Meiner, Andrus; **Vassiljev, Anatoli** Harmonisation with the Western economics : Estonian economic developments and related conceptual and methodological frameworks : collection of papers 1999 / p. 361-384: ill

Macrophytes in the biological monitoring of small rivers

Blinova, Irina; Vassiljev, Anatoli 10th International Specialised Conference on Diffuse Pollution and Sustainable Basin Management : Sep. 18-22, 2006, Istanbul, Turkey 2006 / [8] p

Model of management of the water supply system

Koppel, Tiit; Seemendi, Sirje; **Vassiljev, Anatoli** XXII Nordic Hydrological Conference : Roros, Norway 4-7 August 2002. Vol. II 2002 / p. 729-737 : ill

Modeling of nitrogen leaching from a watershed

Vassiljev, Anatoli Proc. 8th IWA International Conference on Diffuse/Nonpoint Pollution : 24-29 Oct. 2004, Kyoto, Japan 2004 / p. 235-240

Modeling of the water flow and quality in rivers

Vassiljev, Anatoli; Grimvall, Anders; Larsson, Martin "Environmental Impact and Water Management in a Catchment Area Perspective" : 24-26 September, 2001, Tallinn, Estonia : proceedings of the Symposium dedicated to the 40th Anniversary of Institute of Environmental Engineering at Tallinn Technical University 2001 / p. 94-102 : ill

Modeling of wash-off and leaching of pollutants from watershed by spring flow for analyzing monitoring data

Vassiljev, Anatoli; Blinova, Irina Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia 1994 / p. 160-165: ill

Modeling wash off and leaching of pollutants from watershed by spring flow for analyzing monitoring data

Vassiljev, Anatoli; Blinova, Irina Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia : abstracts 1993 / p. 44-45: ill

Modeling wash-off and leaching of pollutants by spring-time flow

Vassiljev, Anatoli Journal of hydrology 1994 / 159, p. 215-222

Modelling of exchange flow in horizontal channels with quadratic-shape cross sections : Pärnu river mouth case study

Laanearu, Janek; Vassiljev, Anatoli; Davies, Peter First IAHR European Division Congress : Herriot Watt University, Edinburgh,

Modelling of nitrogen concentrations in water from drained peat soils

Vassiljev, Anatoli; Annus, Ivar; Kändler, Nils; Kaur, Katrin Journal of water supply : research and technology - AQUA 2019
<https://doi.org/10.2166/aqua.2019.104>

Modelling of nitrogen leaching from watersheds with large drained peat areas

Vassiljev, Anatoli; Kaur, Katrin; Annus, Ivar Advances in engineering software 2018 / p. 94-100 : ill
<https://doi.org/10.1016/j.advengsoft.2018.03.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of stormwater discharge and quality in urban area

Koppel, Tiit; Vassiljev, Anatoli; Puust, Raido; Laanearu, Janek International journal of ecological science and environmental engineering 2014 / p. 80-90 : ill

Modelling of the influence of drained areas on the environment

Vassiljev, Anatoli Proceedings of the Fifteenth International Conference on Civil, Structural and Environmental Engineering Computing : Prague, Czech Republic, 1-4 September 2015 2015 / Paper 280 <https://doi.org/10.4203/ccp.108.280> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Modelling of the wastal waters pollution from agricultural vatershed

Krysanova, Valentina; Meiner, Andrus; Roosaaire, Jüri; **Vassiljev, Anatoli** Annales Geophysicae 1992 1992 / p. 323

Nitrogen source apportionment - a comparison between a dynamic and a statistical model

Liden, R.; **Vassiljev, Anatoli**; Stalnacke, Per; **Loigu, Enn**; Wittgren, H.B. Ecological modelling 1999 / p. 235-250: ill
<https://www.sciencedirect.com/science/article/abs/pii/S030438009800146X>

Nitrogen surface water retention in the Baltic Sea drainage basin

Stalnacke, Per; Pengerud, Annelene; **Vassiljev, Anatoli** Hydrology and earth system sciences 2015 / p. 981-996 : ill
<https://doi.org/10.5194/hess-19-981-2015> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical and experimental investigation on flow dynamics in a pipe with an abrupt change in diameter

Annus, Ivar; Kartušinski, Aleksander; Vassiljev, Anatoli; Kaur, Katrin Journal of fluids engineering 2019 / art. 101301, 9 p. : ill
<https://doi.org/10.1115/1.4043233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Nutrient retention and export to surface waters in Lithuanian and Estonian river basins

Povilaitis, Arvidas; Stalnacke, Per; **Vassiljev, Anatoli** Hydrology research 2012 / lk. 359-373 : ill
<https://iwaponline.com/hr/article/43/4/359/977/Nutrient-retention-and-export-to-surface-waters-in>

On determination of flow routes in a stormwater network using the least squares method

Laanearu, Janek; Annus, Ivar; Vassiljev, Anatoli; Koppel, Tiit Integrating Water Systems : proceedings of the Tenth International Conference on Computing and Control in the Water Industry 2009 : CCWI2009 : Sheffield, UK, 1-3 September 2009 2009 / p. 731-734

Optimal pump count prediction algorithm for identical pumps working in parallel mode

Koor, Margus; Vassiljev, Anatoli; Koppel, Tiit Procedia engineering 2014 / p. 951-958 : ill
<https://doi.org/10.1016/j.proeng.2014.02.106> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Optimization of pump efficiencies with different pumps characteristics working in parallel mode

Koor, Margus; **Vassiljev, Anatoli; Koppel, Tiit** Advances in engineering software 2016 / p. 69-76 : ill
<https://doi.org/10.1016/j.advengsoft.2015.10.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization of pump efficiency in a water distribution system

Koor, Margus; Vassiljev, Anatoli; Koppel, Tiit Proceedings of the Ninth International Conference on Engineering Computational Technology 2014 / Paper 91, p. 1-10 : ill <https://iwaponline.com/ws/article/23/3/1094/93912/Optimization-of-the-operation-of-water> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Overview of water quality problems in Estonia with the focus on drained peat areas as a source of nitrogen

Vassiljev, Anatoli; Blinova, Irina Understanding Freshwater Quality Problems in a Changing World : [proceedings] 2013 / p. 69-76 : ill

Peak flow reduction from small catchments using smart inlets

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido Urban water journal 2020 / p. 577-586
<https://doi.org/10.1080/1573062X.2019.1611888> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Peipsi järve valgla reostuskoormus ja jõgede vee kvaliteet

Loigu, Enn; lital, Arvo; Karlova, Svetlana; **Leisk, Ülle;** Pachel, Karin; Sults, Ülo; Trapido, Marina; **Vassiljev, Anatoli;** Veldre, Ingeborg Peipsi 1999 / lk. 66-80: ill

Pipeline rehabilitation combined strategy for urban water systems

Annus, Ivar; Kändler, Nils; Vaksman, Marti; **Kaur, Katrin; Truu, Murel;** Koor, Margus; **Vassiljev, Anatoli;** Kütt, Urmas Urban water journal 2024 / p. 155 - 167 <https://doi.org/10.1080/1573062X.2023.2273535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Principle of locality and its application to water network model calibration

Ainola, Leo; Koppel, Tiit; Kändler, Nils; Vassiljev, Anatoli Water software systems : theory and applications. Vol. 1 2001 / p. 111-120

Real time controlled sustainable urban drainage systems in dense urban areas

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido Journal of water supply : research and technology - AQUA 2020 / p. 238-247 : ill <https://doi.org/10.2166/aqua.2019.083>

Real water network comparative calibration studies considering the whole process from engineer's perspective

Puust, Raido; Vassiljev, Anatoli Procedia engineering 2014 / p. 702-709 : ill <https://doi.org/10.1016/j.proeng.2014.11.497> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Real-time control optimization of water distribution system with storage = Mahutitega veevarustussüsteemi juhtimise optimeerimine reaajas

Sunela, Markus 2017 <https://digi.lib.ttu.ee/i/?9007> https://www.ester.ee/record=b4744261*est

Real-time demands and calibration of water distribution systems

Vassiljev, Anatoli; Koor, Margus; **Koppel, Tiit** Advances in engineering software 2015 / p. 108-113 : ill <https://doi.org/10.1016/j.advengsoft.2015.06.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sensitivity of calibration results to uncertainties in input data: case of operational water distribution system

Vassiljev, Anatoli; Koppel, Tiit; Saare, Arvo Urban Water Management: Challenges and Opportunities : proceedings of the 11th International Conference on Computing and Control for the Water Industry (CCWI 2011), University of Exeter, 5-7 September 2011 2011 / p. 713-718 : ill https://www.researchgate.net/publication/290656813_Sensitivity_of_calibration_results_to_uncertainties_in_input_data_Case_of_operational_water_distribution_system

Some problems in calculation of pollutant transport in rivers

Vassiljev, Anatoli Nordic Hydrological Conference 1996, Akureyri, Iceland, 13-15 August 1996 : [proceedings]. Vol. 2 1996 / p. 773-782: ill

Source apportionment of nitrogen and phosphorus influencing the water quality in the Lake Peipsi basin

Vassiljev, Anatoli; Stalnacke, Per Abstract volume from VI Russian Hydrological Congress (28 Sept. - 1 Oct. 2004). 4 2004 / p. 5-6

Source apportionment of nitrogen in Estonian rivers

Kaur, Katrin; Vassiljev, Anatoli; Annus, Ivar; Stalnacke, Per Journal of water supply : research and technology - AQUA 2017 / p. 469-480 <https://doi.org/10.2166/aqua.2017.036>

Source apportionment of nutrients in Estonian rivers

Vassiljev, Anatoli; Blinova, Irina; Ennet, Peeter 10th International Specialised Conference on Diffuse Pollution and Sustainable Basin Management : Sep. 18-22, 2006, Istanbul, Turkey 2006 / [8] p <https://www.sciencedirect.com/science/article/abs/pii/S0011916408001549>

Source apportionment of nutrients in Estonian rivers

Vassiljev, Anatoli; Blinova, Irina; Ennet, Peeter Desalination 2008 / p. 222-230 : ill <https://www.sciencedirect.com/science/article/pii/S0011916408001549>

Statistical modelling of riverine nutrient sources and retention in the Lake Peipsi drainage basin

Vassiljev, Anatoli; Stalnacke, Per Water science & technology Water science and technology 2005 / 3/4, p. 309-317 : ill

Statistical modelling of riverine nutrient sources and retention in the Lake Peipsi drainage basin

Vassiljev, Anatoli; Stalnacke, Per Diffuse Pollution and Basin Management : proceedings of the 7th IWA International Conference : 18th to 22nd August 2003, Dublin 2003 / p. 10-41 - 10-46 : ill <https://pubmed.ncbi.nlm.nih.gov/15850204/>

Survetorude hüdrodünaamika probleeme

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 33-40 : ill

The influence of drained peat soils on diffuse nitrogen pollution of surface water

Vassiljev, Anatoli; Blinova, Irina Hydrology research 2012 / p. 352–358 : ill <https://iwaponline.com/hr/article/43/4/352/976/The-influence-of-drained-peat-soils-on-diffuse>

The use of error dynamics for calibration of water distribution systems

Koppel, Tiit; Vassiljev, Anatoli Proceedings of the Twelfth International Conference on Civil, Structural and Environmental Engineering Computing : 1-4 September 2009, Madeira 2009 / p. Paper 247 [14 p.] <https://www.sciencedirect.com/science/article/pii/S0965997811002638>

The use of modelling for the analysis of river water quality monitoring data

Vassiljev, Anatoli; Blinova, Irina Tallinna Tehnikaülikooli Toimetised 1994 / lk. 24-31: ill

Use of a matrix model for estimation of emission- and retention coefficients in Estonian rivers

Vassiljev, Anatoli; Loigu, Enn; Grimvall, A.; Stalnacke, Per Nordic Hydrological Conference 1996, Akureyri, Iceland, 13-15 August 1996 : [proceedings]. Vol. 2 1996 / p. 783-791

Use of error analysis for calibration of water distribution systems

Vassiljev, Anatoli; Koppel, Tiit; Puust, Raido Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12-15, 2010 2010 / [13] p.: ill

Use of GIS for identification of critical areas of nonpoint pollution

Velner, Harald-Adam; Vassiljev, Anatoli; Loigu, Enn GIS-Baltic Sea States '95 : exhibition, conference - Tallinn, Estonia, 13-15 December, 1995 : abstracts, catalogue 1995 / p. 51

Use of GIS for identification of critical areas of nonpoint pollution

Velner, Harald-Adam; Vassiljev, Anatoli; Loigu, Enn GIS - Baltic Sea States '95 : exhibition and conference, 13-15 December 1995 - Tallinn, Estonia : proceedings 1997 / p. 141-149

Use of modeling for analysing of water quality monitoring data

Vassiljev, Anatoli; Blinova, Irina International conference HYDROTOP 94, Marseille, France, April 12-15, 1994 1994 / p. 405-411

Use of modelling error dynamics for the calibration of water distribution systems

Koppel, Tiit; Vassiljev, Anatoli Advances in engineering software 2012 / p. 188-196 : ill <https://www.sciencedirect.com/science/article/pii/S0965997811002638>

Use of nonlinear regression for estimating emission of nitrogen to Estonian rivers

Vassiljev, Anatoli; Annus, Ivar; Kaur, Katrin; Kändler, Nils Ecology & safety 2017 / p. 33-40 : ill <https://www.scientific-publications.net/en/article/1001351/>

Use of pressure differentials for calibration of the operational water distribution system

Vassiljev, Anatoli; Minguell Font, L.; Puust, Raido Water Management Challenges in Global Change : proceedings of the 9th Computing and Control for the Water Industry (CCWI2007) and Sustainable Urban Water Management (SUWM2007) Conferences : Leicester, UK, 3-5 September, 2007 2007 / p. 205-209 https://www.researchgate.net/publication/290278958_Use_of_pressure_differentials_for_calibration_of_the_operational_water_distribution_system

Use of pressure dynamics for calibration of water distribution system and leakage detection

Koppel, Tiit; Vassiljev, Anatoli; Lukjanov, D.; Annus, Ivar Proceedings of WDSA 2008 : Water Distribution Systems Analysis : 17-20 August 2008, South Africa 2008 / p. 704-715 <https://ascelibrary.org/doi/10.1061/41024%28340%2959>

Use of relative roughness and changed diameters for old pipes when calibrating an operational water distribution system

Vassiljev, Anatoli; Martaud, M.; Koppel, Tiit Integrating Water Systems : proceedings of the Tenth International Conference on Computing and Control in the Water Industry 2009 : CCWI2009 : Sheffield, UK, 1-3 September 2009 2009 / p. 283-286

Use of the real-time demands for calibration of water distribution systems

Vassiljev, Anatoli; Koppel, Tiit Proceedings of the Fourteenth International Conference on Civil, Structural and Environmental Engineering Computing 2013 / p. 1-9 : ill [Paper 233] <https://www.ctresources.info/ccp/paper.html?id=7566> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Use of two one-dimensional models, describing leach[i]ng of nitrogen, on watershed scale

Vassiljev, Anatoli; Blinova, Irina XXII Nordic Hydrological Conference : Roros, Norway 4-7 August 2002. Vol. I 2002 / p. 249-258 : ill

Water distribution model for decision-making with updatable data links

Puust, Raido; Koor, Margus; Vassiljev, Anatoli Journal of Water Supply: Research and Technology - AQUA 2015 / p. 596-609 : joon <http://dx.doi.org/10.2166/aqua.2014.038>

Water distribution system modelling and pumping optimization based on real network of Tallinn = Tallinna linna ühisveevärgi modelleerimine ja pumpamise optimeerimine

Koor, Margus 2015 https://www.ester.ee/record=b4478906*est

Water network model calibration based on grouping pipes with similar leakage and roughness estimates

Ainola, Leo; Koppel, Tiit; Tiiter, K.; **Vassiljev, Anatoli** Proceedings of ASCE's 2000 : Joint Conference on Water Resources Engineering and Water Resources Planning & Management 2000 / [9] p., [CD-ROM]

https://www.researchgate.net/publication/268593940_Water_Network_Model_Calibration_Based_on_Grouping_Pipes_with_Similar_Leakage_and_Roughness_Estimates

Water quality in networks in the conditions of substantial decrease of water consumption

Koppel, Tiit; Kändler, Nils; Tiiter, K.; **Vassiljev, Anatoli** Proceedings : Frontiers in urban water management : Deadlock or hope? : symposium, 18-20 June 2001, Marseille, France 2001 / p. 38-45 : ill

Определение шероховатости труб для модели сети водоснабжения

Koppel, Tiit; Vassiljev, Anatoli International Trade Fair and Congress 2008 / [1] p

Определение шероховатости труб для модели системы водоснабжения, включающей трубы разного возраста

Koppel, Tiit; Vassiljev, Anatoli ЭКВАТЕК2006 Москва : сборник докладов. 1 2006 / с. 536

Оценка источников загрязнения биогенами в реках Эстонии

Vassiljev, Anatoli; Blinova, Irina ЭКВАТЕК2006 Москва : сборник докладов. 1 2006 / с. 337-338

Разработка модели системы водопроводной сети

Kändler, Nils; Koppel, Tiit; Vassiljev, Anatoli Четверты международный конгресс "Вода : экология и технология" : ЭКВАТЕК-2000 : Москва, 30 мая - 2 июня 2000 : тезисы докладов 2000 / с. 369-370

Расчет расходов воды на реках Эстонии при неустановившемся режиме течения

Vassiljev, Anatoli Tallinna Tehnikaülikooli Toimetised 1992 / lk. 16-24: ill