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Web of Science [B - 8476 -2011](http://www.researcherid.com/rid/B-8476-2011) (<http://www.researcherid.com/rid/B-8476-2011>)SCOPUS 36598970800
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(a) Peer reviewed journal papers selected for the habilitation thesis

- [1.] Castro-Gama, M.E., **Popescu, I.**, Li, S., Mynett, A., van Dam, A. (2014), Flood inference simulation using surrogate modelling for the Yellow River multiple reservoir system, *Environmental Modelling and Software*, 55, 250-265, (doi: 10.1016/j.envsoft.2014.02.002)
- [2.] Fu, C., **Popescu, I.**, Wang, C., Mynett, A.E., Zhang, F. (2014), Challenges in modelling river flow and ice regime on the Ningxia-Inner Mongolia reach of the Yellow River, China, *Hydrology and Earth System Sciences*, 18 (3), 1225-1237.(doi: 10.5194/hess-18-1225-2014)
- [3.] Balica, S. F., **Popescu, I.**, Bevers, L., Wright, N., G., (2013), Parametric and physically based modelling techniques for flood risk and vulnerability assessment: a comparison; *Journal of Environmental Modelling & Software*, 41 (3), 84-92 (doi:[10.1016/j.envsoft.2012.11.002](http://dx.doi.org/10.1016/j.envsoft.2012.11.002))
- [4.] Moya-Gomez, V, **Popescu, I.**, Solomatine, D., L. Bociort, (2013), Cloud and cluster computing in uncertainty analysis of integrated flood models, *Journal of Hydroinformatics*, 15(1), 55-69 (doi: [10.2166/hydro.2012.017](http://dx.doi.org/10.2166/hydro.2012.017))
- [5.] Van, P. D. T., **Popescu, I.**, van Griensven, A., Solomatine, D. P., Trung, N. H., and Green, A., (2012), A study of the climate change impacts on fluvial flood propagation in the Vietnamese Mekong Delta, *Hydrol. Earth Syst. Sci.*, 16 (12), 4637-4649, (doi:[10.5194/hess-16-4637-2012](http://dx.doi.org/10.5194/hess-16-4637-2012))
- [6.] **Popescu, I.**, Brandimarte, L., Perera, M.S.U., Peviani, M.(2012) Assessing residual hydropower potential of the la Plata Basin accounting for future user demands, *Hydrology and Earth System Sciences*, 16 (8), 2813-2823, (doi:[10.5194/hess-16-2813-2012](http://dx.doi.org/10.5194/hess-16-2813-2012))

- [7.] Gichamo Z., G., **Popescu, I.**, Jonoski, A., Solomatine D.P. (2012) River Cross Section Extraction from ASTER Global DEM for Flood Modeling, *Journal of Environmental Modelling & Software*, **31**(5), 37-46, (doi:[10.1016/j.envsoft.2011.12.003](https://doi.org/10.1016/j.envsoft.2011.12.003))
- [8.] **Popescu, I.**, Jonoski, A., Bociort, L. (2012), Decision Support Systems for flood management in the Timis-Bega catchement, *J. of Environmental Engineering and Management*, **11**(11), 847-953
- [9.] Hassaballah, K., Jonoski, A., **Popescu, I.**, Solomatine, D.P, (2012), Model-based optimisation of downstream impact during filling of a new reservoir: case study of Mandaya/Roseires reservoirs on the Blue Nile River, *Water Resources Management*, **26**(2), 273-293, (doi:[10.1007/s11269-011-9917-8](https://doi.org/10.1007/s11269-011-9917-8))
- [10.] Hartanto, I.M., Beever, L., **Popescu, I.**, Wright, N.G., (2011), Application of a coastal modelling code in fluvial environments, *J. of Environmental Modelling and Software*, **26**(12), 1685-1695, (doi: [10.1016/j.envsoft.2011.05.014](https://doi.org/10.1016/j.envsoft.2011.05.014))

(b) PhD thesis

Popescu, I., (1998), Application of numerical methods for determining the solution of hydrodynamic pressures on dams. "Politechnica" University of Timisoara

(c) Patents (None)

(d) Books and Book chapters

(d1) Chapters in books

Balica, F, Quan, D, **Popescu I**, (2014), Vulnerability and Exposure in Developed and Developing Countries: Large-Scale Assessments, in "*Hydro-meteorological hazards risks, and disasters*" (Schroder et al, editors), Elsevier, pp. 42

Popescu, I (2013). Unsteady Flow, in "*Floods in a Changing Climate: Inundation Modelling (G Di Baldassarre)*", International Hydrological Series, Cambridge University Press, Cambridge, UK, pp10

(d2) Books and monographs

Popescu, I, (2014), *Computational Hydraulics: Numerical Methods and Modelling*, IWA Publishing, London, UK, ISBN: 9781780400440, pp 160

Muste, M, **Popescu, I.**, Hewett, C., Quinn, P., (2007), *Towards the next generation of Environmental Observatories*, Obermann IRGP, Iowa University Press, US , pp 60

Popescu, I., (2004), "*Delft Cluster Knowledge Mapping*", Delft University Press, The Netherlands, pp 30

Popescu, I. (2004), "*IHE-Knowledge Map*", Delft University Press, The Netherlands, pp 30



- Popescu, I.**, Martin-Perez, B. (2000), *Instrumentation for field data acquisition for Chicago*, National Research Council press, Ottawa, Canada, pp 40
- Popescu, I.**, Martin-Perez, B. (2000) *Project Report: Use of the FEUC software*, National Research Council Press, Ottawa, Canada, pp 70
- Popescu, I.**, (1997), *Programming in Pascal*, Mirton Publications, Timisoara, Romania (in Romanian), ISBN: 973-578-395-9, pp174
- Danilescu, A., **Popescu, I.**, (1999), *Engineering statics for hydraulic engineers*, vol I, Mirton Publication, Timisoara, Romania (in Romanian), pp 100
- Danilescu, A., **Popescu, I.**, Danilescu D. (2000), *Engineering statics for hydraulic engineers*, vol II, Mirton Publication, Timisoara, Romania (in Romanian) pp 100.

(e) Journal papers

(e1) Peer reviewed journal papers (ISI and SCOPUS)

1. **Popescu, I.**, Brandimarte, L., Peviani, M. (2014), Effects of climate change over energy production in La Plata Basin, *International J. of River Basin Management*, (Online published version available), (doi: [10.1080/15715124.2014.917317](https://doi.org/10.1080/15715124.2014.917317)).....SCOPUS
2. Brandimarte, L., **Popescu, I.**, Neamah, N.K.(2014) Analysis of fresh-saline water interface at the Shatt Al-Arab estuary, *International J. of River Basin Management*, (Online published version available), (doi: [10.1080/15715124.2014.945092](https://doi.org/10.1080/15715124.2014.945092))SCOPUS
3. **Popescu, I.**, Cioaca, E., Pan, Q., Jonoski, A., Hanganu, J.(2014), Use of hydrodynamic models for the management of the Danube Delta wetlands: The case study of Sontea-Fortuna ecosystem, *Environmental Science and Policy*, (Online published version available), (doi: [10.1016/j.envsci.2014.01.012](https://doi.org/10.1016/j.envsci.2014.01.012)).....ISI, SCOPUS
4. Castro-Gama, M.E., **Popescu, I.**, Li, S., Mynett, A., van Dam, A. (2014), Flood inference simulation using surrogate modelling for the Yellow River multiple reservoir system, *Environmental Modelling & Software*, **55** (5), 250-265, (doi:[10.1016/j.envsoft.2014.02.002](https://doi.org/10.1016/j.envsoft.2014.02.002)).....ISI, SCOPUS
5. Fu, C., **Popescu, I.**, Wang, C., Mynett, A.E., Zhang, F. (2014), Challenges in modelling river flow and ice regime on the Ningxia-Inner Mongolia reach of the Yellow River, China, *Hydrology and Earth System Sciences*, **18** (3), 1225-1237, (doi:[10.5194/hess-18-1225-2014](https://doi.org/10.5194/hess-18-1225-2014)).....ISI, SCOPUS
6. Balica, S, Dinh, Q, **Popescu, I.**,Vo, T.Q., Pham, D.Q., (2014), Flood impact in the Mekong Delta, *Journal of Maps*, 10(2), 257-268, (doi:[10.1080/17445647.2013.859636](https://doi.org/10.1080/17445647.2013.859636)).....ISI, SCOPUS
7. Jonoski, A, Almoradie A, Khan K, **Popescu I**, Andel S.J., (2013), Google Android Mobile Phone Applications for Water Quality Information Management, *Journal of Hydroinformatics*, **15**(4), 1137 – 1149 (doi: [10.2166/hydro.2012.147](https://doi.org/10.2166/hydro.2012.147))..... ISI, SCOPUS



8. Almoradie, A., Jonoski, A., Stoica, F., Solomatine, D., **Popescu, I.** (2013), Web-based flood information system: case study of Somesul-Mare, Romania, *J. of Environmental Engineering and Management*, **12**(5), 1065-1070.....ISI, SCOPUS
9. Yue, C., **Popescu, I.**, Mynett, A., Quan, P., Postma, L. (2013), Challenges for 2D water quality modelling of lake Taihu in China, *J. of Environmental Engineering and Management*, **12**(5), 1031-1044.....ISI, SCOPUS
10. Gichamo, T., Jonoski, A., **Popescu, I.**, Morris M, Hassan, M. (2013), Embankment failure modeling using HR Breach Model, *J. of Environmental Engineering and Management*, **12**(5), 865-874.....ISI, SCOPUS
11. Bhattacharya, B., Shams, M.S., **Popescu, I.** (2013), On the influence of bed forms on flood levels, *J. of Environmental Engineering and Management*, **12**(5), 857-863..... ISI, SCOPUS
12. van Griensven, A., **Popescu, I.**, Abdelhamid, M.R., Ndomba, P.M., Bevers, L., Betrie, G.D., (2013), Comparison of sediment transport computations using hydrodynamic versus hydrologic models in the Simiyu River in Tanzania, *Physics and Chemistry of the Earth*, **61-62**, 12-21 (doi: [10.1016/j.pce.2013.02.003](https://doi.org/10.1016/j.pce.2013.02.003)).....ISI, SCOPUS
13. Balica, S. F., **Popescu, I.**, Bevers, L., Wright, N., G., (2013), Parametric and physically based modelling techniques for flood risk and vulnerability assessment: a comparison; *J. of Environmental Modelling & Software*, **41** (3), 84-92 (doi:[10.1016/j.envsoft.2012.11.002](https://doi.org/10.1016/j.envsoft.2012.11.002)).....ISI, SCOPUS
14. Moya-Gomez, V, **Popescu, I.**, Solomatine, D., L. Bociort, (2013), Cloud and cluster computing in uncertainty analysis of integrated flood models, *J. of Hydroinformatics*, **15**(1), 55-69 (doi:[10.2166/hydro.2012.017](https://doi.org/10.2166/hydro.2012.017)) ISI, SCOPUS
15. Palomino Cuya, D.G., Brandimarte, L., **Popescu, I.**, Alterach, J., Peviani, M., (2013), A GIS-based assessment of maximum potential hydropower production in La Plata basin under global changes *Journal of Renewable Energy*, **50** (2), 103-114 (doi: [10.1016/j.renene.2012.06.019](https://doi.org/10.1016/j.renene.2012.06.019)).....ISI, SCOPUS
16. Dinh, N.Q., Balica, S., **Popescu, I.**, Jonoski, A.,(2012), Climate change impact on flood hazard, vulnerability and risk of the Long Xuyen Quadrangle in the Mekong Delta, *International J. of River Basin Management*, **10**(1), 103-120, (doi: [10.1080/15715124.2012.663383](https://doi.org/10.1080/15715124.2012.663383)).....SCOPUS
17. Van, P. D. T., **Popescu, I.**, van Griensven, A., Solomatine, D. P., Trung, N. H., and Green, A., (2012), A study of the climate change impacts on fluvial flood propagation in the Vietnamese Mekong Delta, *Hydrology and Earth System Science*, **16** (12), 4637-4649, (doi:[10.5194/hess-16-4637-2012](https://doi.org/10.5194/hess-16-4637-2012)).....ISI, SCOPUS

18. **Popescu, I.**, Jonoski, A., Bhattacharya, B. (2012), Experiences from online and classroom education in hydroinformatics, *Hydrology and Earth System Sciences*, **16**(11), 3935-3944 ([doi:10.5194/hess-16-3935-2012](https://doi.org/10.5194/hess-16-3935-2012)).....ISI, SCOPUS
19. **Popescu, I.**, Jonoski, A., Bociort, L. (2012), Decision Support Systems for flood management in the Timis-Bega catchment, *J. of Environmental Engineering and Management*, **11**(11), 847-953.....ISI, SCOPUS
20. Jonoski, A., Alfonso, L., Almoradie, A., **Popescu, I.**, van Andel, S.J., Vojinovic, Z., (2012), Mobile phone applications in the water domain, *Environmental Engineering and Management Journal*, **11**(5), 919-930.....ISI, SCOPUS
21. **Popescu, I.**, Archetti, F., van Andel, S.J., Giordani, I., (2012), Lenvis: A user centric, web services based system to retrieve, analyze and deliver environmental and health information, *J. of Environmental Engineering and Management Journal*, **11** (5), 889-897.....ISI, SCOPUS
22. **Popescu, I.**, Brandimarte, L., Perera, M.S.U., Peviani, M.(2012) Assessing residual hydropower potential of the la Plata Basin accounting for future user demands, *Hydrology and Earth System Sciences*, **16** (8), 2813-2823, ([doi:10.5194/hess-16-2813-2012](https://doi.org/10.5194/hess-16-2813-2012))ISI, SCOPUS
23. Jonoski, A., **Popescu, I.**, (2012), Distance Learning in Support of Water Resources Management: An Online Course on Decision Support Systems in River Basin Management, *Water Resources Management*, **26**(5), 1287-1305 ([doi: 10.1007/s11269-011-9959-y](https://doi.org/10.1007/s11269-011-9959-y)).....ISI, SCOPUS
24. Gichamo Z., G., **Popescu, I.**, Jonoski, A., Solomatine D.P. (2012) River Cross Section Extraction from ASTER Global DEM for Flood Modeling, *Journal of Environmental Modelling & Software*, **31**(5), 37-46, ([doi:10.1016/j.envsoft.2011.12.003](https://doi.org/10.1016/j.envsoft.2011.12.003)). ISI, SCOPUS
25. Hassaballah, K., Jonoski, A., **Popescu, I.**, Solomatine, D.P, (2012), Model-based optimisation of downstream impact during filling of a new reservoir: case study of Mandaya/Roseires reservoirs on the Blue Nile River, *Water Resources Management*, **26**(2), 273-293, ([doi:10.1007/s11269-011-9917-8](https://doi.org/10.1007/s11269-011-9917-8)).....ISI, SCOPUS
26. Betrie, G. D. , van Griensven, A., Mohamed, Y. A., **Popescu, I.**, Mynett A., Hummel S. , (2011), Linking SWAT and SOBEK using Open Modelling Interface (OpenMI) for sediment transport simulation in the Blue Nile River Basin, *Transactions of the ASABE*, **54**(5), 1749-1757.....ISI, SCOPUS
27. Hartanto, I.M., Beevers, L., **Popescu, I.**, Wright, N.G., (2011), Application of a coastal modelling code in fluvial environments, *J. of Environmental Modelling and Software*, **26**(12), 1685-1695, ([doi: 10.1016/j.envsoft.2011.05.014](https://doi.org/10.1016/j.envsoft.2011.05.014)).....ISI, SCOPUS
28. Jung, N. C., **Popescu, I.**, Price R. K., Solomatine, D., Kelderman, P., Shin, J.K., (2011), The use of the A.G.P. test for determining the phytoplankton production and

- distribution in the thermally stratified reservoirs: The case of the Yongdam reservoir in Korea. *J. of Environmental Engineering and Management*, **10** (11), 1647-1657,ISI, SCOPUS
29. **Popescu, I.**, Jonoski, A., van Andel, S.J., Onyari, E., Moya Quiroga, V.G., (2010), Integrated modelling for flood risk mitigation in Romania: case study of the Timis-Bega river basin, *International J. of River Basin Management*, 8(3-4), 269-280 (doi:[10.1080/15715124.2010.512550](https://doi.org/10.1080/15715124.2010.512550)).....SCOPUS
30. Jung, N.C. , **Popescu, I.**, Kelderman, P., Solomatine, D.P., Price, R.K., (2010), Application of Model Trees and Other Machine Learning Techniques for Algal Growth Prediction in Yongdam Reservoir, Republic of Korea, *J. of Hydroinformatics*, **12** (3), 262–274, (doi:[10.2166/hydro.2009.004](https://doi.org/10.2166/hydro.2009.004)).....ISI, SCOPUS
31. Muste, M., Quinn, P.F., Hewett, C.J.M., **Popescu, I.**, Basu, N.B., Kumar, P., Franz, K., Merwade, V., Arnold, W., Potter, K. (2010), Initiation of the Upper Mississippi River Basin Observatory, *ASCE proceedings, Innovations in Watershed Management under Land Use and Climate Change*, **39**,. 1270-1281.....ISI, SCOPUS
32. Quinn, P., Hewett, C., **Popescu, I.**, Muste, M. , (2010), Towards New Types of Water-centric Collaboration: Instigating the Upper Mississippi River Basin Observatory Process, *Water Management* , **163**, 39–51, (doi: [10.1680/wama.2010.163.1.39](https://doi.org/10.1680/wama.2010.163.1.39)).....ISI, SCOPUS
33. **Popescu, I.**, van der Berg, C.C.(2005), An experience in knowledge mapping, *Journal of Knowledge Management*, 9(2), 123 -128, (doi: [10.1108/13673270510590263](https://doi.org/10.1108/13673270510590263)). SCOPUS
- (e2) Peer reviewed journal papers (Not listed in ISI or SCOPUS)*
34. Castro Gama, M., **Popescu, I.**, Shengyang, L., Mynett, A., (2014), Modeling the Inference between Upstream Inflow Hydrographs and Downstream Flooded Areas in a Reservoir Driven System, *Social and Behavioral Sciences SBSPRO* 108 (1), 207–218,(doi: [10.1016/j.sbspro.2013.12.832](https://doi.org/10.1016/j.sbspro.2013.12.832))
35. Almoradie, A., **Popescu, I.**, Jonoski, A., Solomatine, D., (2013) Web-based access to water-related data using OGC WaterML 2.0, *International Journal of Advance Computer Science and Applications, EnviroGRIDS*, Special Issue on “Building a Regional Observation System in the Black Sea Catchment”, SI **7**, 83-89 (doi: [10.14569/SpecialIssue.2013.030310](https://doi.org/10.14569/SpecialIssue.2013.030310))
36. Betrie G., Mohamed, Y., van Griensven, A., **Popescu, I.**, Mynett, A., (2009), Modeling of soil erosion and sediment transport in the Blue Nile Basin using the Open Model Interface Approach, *International Water Management Institute Press* (doi:[10.3910/2009.201](https://doi.org/10.3910/2009.201))
37. Price, R, Bhattacharya, B., **Popescu, I.**, Jonoski, A. (2007), Flood modelling for management: UNESCO-IHE’s online. course in hydrology, *WMO Bulletin* **56(2)**

38. **Popescu, I.**, (2005), Applications of hydroinformatics for hydraulic engineers, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **49**(63), fascicola 1; 208-221
 39. **Popescu, I.**, Popescu, A., (2003), Knowledge management tools for qualitative water projects, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **48**(62), 55-58
 40. **Popescu, I.**, Constantin, A., (2001), Data base for hydrological systems in Romania, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **46**(60), 11-18
 41. Georgescu, I., **Popescu, I.**, (2000), Solutions for repair the damages of the old buildings with a resistance structure made by carrying masonry and wooden board, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **46**(60), 264-277
 42. Margin G., **Popescu, I.**, Popa, Gh., (2000), *Principii generale si particulare privind optimizarea sistemelor de alimentare cu apa*, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **43**(57), 316-323
 43. **Popescu, I.**, David, I.,(2000), Application of boundary element method to the analysis of the hydrodynamic pressures on dams, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **43**(57), 706-714
 44. **Popescu, I.**, Popa, G., Ion, M., (1999), Analysis of the problems of small hydropower plant Surduc, *Analele Universitatii "Ovidius" Constanta, Seria Constructii*, vol **1**, 28-35
 45. **Popescu, I.**, Popescu, A., (1999), Mathematical modelling applied to underground construction works, *Analele Universitatii "Ovidius" Constanta, Seria Constructii*, **1**(1), 267-276
 46. **Popescu, I.**, (1998), Boundary elements for modeling seismic response of flexible gravity dams, *Scientific Bulletin of the "Politehnica" University from Timisoara, Romania, Transactions on Hydrotechnics*, **43**(57), 17-25
- (e1) Other contributions (Invitation for publication, not peer reviewed)*
47. M. Mossa, **I. Popescu**, R. Hinkelmann (2010), Educational and professional Development – part II- *Journal of Hydraulic Research, Hydrolink supplement*, **3**, 42-46
 48. S. Soares Frazao, **I. Popescu**, (2012), Supporting young professionals - *Journal of Hydraulic Research, Hydrolink, supplement*, **3**, 103-104

(f) Peer-reviewed conference papers (full papers)

49. Pan, Q., Castro Gama, M, **Popescu, I.** (2014), *An open visualisation tool (openVT) for mesh based water models*, Proceedings of the 11th International Conference on Hydroinformatics, 17-22 August, 2014, HIC 2014, New York, USA
50. Musa, Z., **Popescu, I.**, Mynett, A. (2014), *Modelling the effects Sea Level Rise on flooding in the Lower Niger River*, Proceedings of the 11th International Conference on Hydroinformatics, 17-22 August, 2014, HIC 2014, New York, USA
51. Musa, Z., **Popescu, I.**, Mynett, A. (2014), *Uncertainty in hydrodynamic modelling of flooding in the lower Niger river with downstream sea level rise*, Proceedings of SimHydro 2014:Modelling of rapid transitory flows, 11-13 June 2014, Sophia Antipolis, France
52. Musa, Z., **Popescu, I.**, Mynett, A. (2014), *How vulnerable is the Lower Niger Delta to inundation from Sea Level Rise*, Proceedings of the geospatial World Forum, 05-09 May, 2014, Geneva, Switzerland
53. Fantozzi, M., **Popescu, I.**, Farnham, T., Archetti, F, Mogre, P., Tsouchnika, E., Chiesa, C., Tsertou, A., Castro Gama, M., Bimpas, M. (2013), *ICT for efficient water resources management: the ICeWater energy management and control approach*, Proceedings of 12th International Conference on Computing and Control for the Water Industry, CCWI2013, 1-4 September, Perugia, Italy
54. Castro Gama, M., **Popescu, I.**, Li, S., Mynett, A., (2013), *Use of unstructured grids for flood modeling of the Yellow river downstream river reach*, Proceedings of the 35th International IAHR Congress, Chengdu, China
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56. Castro Gama, M., **Popescu, I.**, Li, S., Mynett, A., (2013), *Flood management through reservoir operation: a statistical inference modelling approach*, Proceedings of the AIRO Winter 2013: Operational Research for Development, Sustainability and Local Economies, 27-30 January 2013, Champoluc, Italy
57. Li, S., Mynett, A., **Popescu, I.**, (2012), *Adaptive DSS-oriented Computational Core for Multi-reservoir-based Flood Control and Water Resources Management*, Proceedings of the 5th International Yellow River forum, 24-28 September, 2012, Zhengzhou, China
58. Li, S., Mynett, A., **Popescu, I.**, (2012), *Delicate Computations for Complex Release Schemes of Reservoir-based Flood Control and Water Resources Management*,

- Proceedings of the 5th International Yellow River forum, 24-28 September, 2012, Zhengzhou, China
59. Palomino Cuya, D.G., Brandimarte, L., Peviani M., Popescu, I. (2012), *What if Brazil runs out of energy for the coming 2016 football world championship?*, Leonardo EGU Conference, 14-16 November 2012, Turin, Italy
60. Brandimarte, L, Peviani, M., **Popescu, I.**, (2012), *Assessment of maximum and residual hydropower potential under global changes: La Plata Basin*, Proceedings of the 2nd IAHR Europe, June 2012, Munich, Germany.
61. Bashar, K, E., **Popescu, I.**, Verwey, A. (2012), *Improving hydraulic model prediction by a 1D2D coupled model*, Proceedings of the 10th International Conference on Hydroinformatics, 14-18-July, 2012, HIC 2012, Hamburg, Germany
62. **Popescu, I.**, Almoradie, A, Jonoski, A., (2012), *Environmental Research in the Black Sea Catchment: Flood Modeling Case Studies in Romania*, Proceedings of BALWOIS, International Conference on water, climate and environment, 28 May – 2 June 2012, Ohrid, Republic of Macedonia ; edited by M. Morell, Faculty of Engineering, Skopije, Macedonia
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64. Jonoski A., **Popescu I.** and Keuls, C., (2010), *Pilot Implementation of On-Line Courses For Competence-Based Learning In Hydroinformatics*, Proceedings of the 9th International Conference on Hydroinformatics 2010 Tianjin, Chemistry Industry Press, Beijing, 2483-2490
65. Jonoski A., van Andel S.J, **Popescu I.** and Almoradie A.,(2010), *Distributed Information Systems Providing Localised Environmental Services for All: Case Study on Bathing Water Quality in The Netherlands*, Proceedings of BALWOIS 2010 Conference on Water Observation and Information System for Decision Support, Ohrid, Macedonia
66. Tseganeh G.Z, Jonoski A and **Popescu I.**,(2010), *Web based demonstrator for the HR breach model*, Proceedings of the 9th International Conference on Hydroinformatics 2010 Tianjin, Chemistry Industry Press, Beijing, 679-686
67. Andel S.J van, Assefa, K.A., Jonoski A. and **Popescu I.**,(2010), *Decision Making for Operational Management of Water Related Risks*, Proceedings of BALWOIS 2010 Conference on Water Observation and Information System for Decision Support, Ohrid, Republic of Macedonia
68. Azab., A, **Popescu I.**, Price R, and Vekerdy, Z.,(2010), *Calibration of 2D water quality models of shallow coastal lakes using remote sensing data (Case study: Edko lake, Western Delta, EGYPT)*, Proceedings of the 9th International Conference on Hydroinformatics 2010 Tianjin, Chemistry Industry Press, Beijing, 1539 – 1546

69. Moya, V, **Popescu I.**, and Solomatine, D.,(2020), *Monte Carlo uncertainty analysis of hydraulic models using cloud computing*, Proceedings of the 9th International Conference on Hydroinformatics 2010 Tianjin, Chemistry Industry Press, Beijing, 913 - 921
70. Jonoski, A., **Popescu, I.**, Keuls, C,(2009), *Experiences in competence based learning for two on-line courses*, TENCompetence E-learning Seminar, Manchester, UK,
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