

**Papers selected from EWRA2017 for  
WATER RESOURCES MANAGEMENT**

1	Flood risk and flood processes in a changing environment A.H. Schumann and S. Fischer Page / Proceedings -19
2	Impact of extreme events on watershed dynamics J. Kim, M. Dwelle, A. Warnock, V. Ivanov and N. Katopodes Page / Proceedings -109
3	A decision support system for urban stormwater drainage management F. De Paola, M. Giugni, F. Pugliese, P. Romano Page / Proceedings -115
4	WRF-PDM: Prognostic approach for discharge prediction in ungauged catchment P.K. Srivastava, T. Islam, G. Petropoulos, M. Gupta Page / Proceedings -131
5	A simple model for low flow forecasting in Mediterranean streams K. Risva, D. Nikolopoulos, A. Efstratiadis, I. Nalbantis Page/ Proceedings -143
6	Development of flood and mudflow events for the spatio-temporal risk assessment of networks J. Hackl, M. Heitzler, J.C. Lam, B.T. Adey and L. Hurni Page / Proceedings -197
7	Presenting the mathematical model to determine retention in the watersheds S. Shamohammadi and A. Sharifi Page / Proceedings -233
8	Considering data uncertainty in the water and sanitation sector: Application to large number of alternatives and criteria F. Ezbakhe, A. Pérez-Foguet Page / Proceedings -241
9	A network model simulation proposal for river basin management plans (RBMPs) in Turkey S. Burak, H. Bilge and D. Dernek Page / Proceedings -257
10	Integration of rain gauge errors in radar-rain gauge merging techniques F. Cecinati, A. Moreno Ródenas and M. A. Rico-Ramirez Page / Proceedings -305

11	Effect of varying calibration scenarios on the performance of a hydrodynamic sewer model F. Tscheikner-Gratl, P. Zeisl, C. Kinzel, J. Leimgruber, T. Ertl, W. Rauch and M. Kleidorfer Page / Proceedings -313
12	Surrogate modelling for simplification of a complex urban drainage model M. Mahmoodian, J.P. Carbajal, V. Bellos, U. Leopold, G. Schutz and F. Clemens Page / Proceedings -319
13	Model selection techniques in SWAT-based hydrological modelling B. Asl-Rousta, S. Jamshid Mousavi and M. Ehtiat Page / Proceedings -349
14	The effect of storage under climate change in Southern European basins A. Granados, L. Garrote, A. Sordo-Ward and F. Martin-Carrasco Page / Proceedings -365
15	Assessment of climate-change impacts on precipitation based on selected RCM projections D.J. Peres, M.F. Caruso and A. Cancelliere Page / Proceedings -373
16	An informational entropy application to test the goodness of fit of probability functions T. Baran, F. Barbaros, A. Gül and G. Onuşluel Gül Page / Proceedings -403
17	Hydrological and water temperature modelling for dam decommissioning and climate change studies S.J. Dugdale, A. St-Hilaire and R.A. Curry Page / Proceedings -417
18	Assessment of impact of climate change on streamflows using VIC model A. Treesa, J. Das and U. Nanduri Page / Proceedings -425
19	Impact of climate change on inflows using refined precipitation and temperature scenarios J. Vieira and M.C. Cunha Page / Proceedings -481
20	Quantile regression based method for investigating rainfall trends associated with flooding and drought conditions Y. Xuan, S. A. Abbas, X. Song and D.E. Reeve Page / Proceedings -503
21	Effects of climate and land use changes on runoff extremes D. Pumo, E. Arnone, A. Francipane, V. Noto and G. La Loggia Page / Proceedings -519

22	Forecasting of geophysical processes using stochastic and machine learning Algorithms G.A. Papacharalampous, H. Tyrallis and D. Koutsoyiannis Page / Proceedings -527
23	Uncertainty in estimated water cycle determined with atmospheric budget, water budget and total water storage M. Birylo Page / Proceedings -549
24	Analysis of rainfall trend in southern Italy through the application of the ITA technique T. Caloiero, R. Coscarelli and Ennio Ferrari Page / Proceedings -571
25	On the use of climate-flood links and CMIP5 projections to predict flood hazard under climate change scenarios A.T. Silva, M.M. Portela and M. Naghettini Page / Proceedings -601
26	On the barriers to adapt to less water under climate change in Mediterranean countries Ana Iglesias, Luis Garrote Page / Proceedings -611
27	Using cross-over analysis to support water user discussion about investments in water sources for irrigation M.J. Nikkels, J.H.A. Guillaume, P. Leith, N.J. Mendham, P.R. van Oel and H. Meinke Page / Proceedings -627
28	Towards the optimization of water resource use in the Upper Blue Nile river basin A.-T. Stamou and P. Rutschmann Page / Proceedings -673
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32	Climate change and water valuation in Souss-Massa region: Management and adaptive measures L. Bouchaou, R. Choukr-Allah, A. Hirich, M.S. Ennasr, M. Malki, H. Abahous, B. Bouaakaz and A. Nghira Page / Proceedings -835
33	Comparison of hedging rule curves depending on available water and current storage in reservoir operation under droughts S. Lee, Y. Jin and P. Jinhyeog Page / Proceedings -859
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38	Economic productivity of irrigation water and the closure of a river basin in Southern Spain A. Exposito and J. Berbel Page / Proceedings -1645
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40	Correction and sensitivity analysis of Hargreaves - Samani model in the estimation of the reference evapotranspiration (case study: Gonabab city in Iran) A. KhasheiSiuki, F. Sarvari and M. Pourreza Bilondi Page / Proceedings -1681
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48	A two-dimensional analytical model for tide-induced groundwater fluctuation in leaky aquifers M.-H. Chuang and H.-D. Yeh Page / Proceedings -1933
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