**Binaya Kumar Mishra, PhD**

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**Area of Interest**

Integrated Water Resources Management, Climate and Ecosystem Change Adaptation, Disaster Risk Reduction, Remote Sensing and GIS applications

**Education**

2009 PhD (Urban and Environment), Graduate School of Engineering, Kyoto University, Japan

2004 M.Sc. (Water Resources), Institute of Engineering, Tribhuvan University, Nepal

1999 Bachelor (Civil Engineering), Institution of Engineers, India

**Working experience**

October 2018 – present: Professor, School of Engineering, Pokhara University, Nepal

June 2018 – September 2018: Associate professor, Central Campus of Engineering, Mid-Western University, Nepal

September 2010 – March 2018: Assistant Professor (Researcher/Associate/Fellow), University of Tokyo & United Nations University, Japan

October 2006 – March 2010: Doctoral Researcher/Research Associate, Kyoto University, Japan

April 2006 – September 2006: Irrigation Engineer, Department of Irrigation, Government of Nepal

September 2000 – March 2006, Lecturer, Kathmandu Engineering College, Nepal

**Major publications**

Mishra, B.K. (2017): Precipitation change assessment over upper Bagmati river basin using regional bias corrected GCM data, *International Journal of Water*, Vol. 11 (3), pp. 294-313.

Mishra, B.K., Emam, A.R., Masago, Y., Kumar, P., Regmi, R.K. and Fukushi, K. (2017): Assessment of future flood inundations under climate and land use change scenarios in the Ciliwung River Basin, Jakarta, *Journal of Flood Risk Management, DOI: 10.1111/jfr3.12311.*

Mishra, B.K., Regmi, R.K., Masago, Y., Fukushi, K., Kumar, P. and Saraswat, C. (2017): Assessment of Bagmati River Pollution in Kathmandu Valley: Scenario-Based Modeling and Analysis for Sustainable Urban Development, *Sustainability of Water Quality and Ecology (2017), doi: http://dx.doi.org/10.1016/j.swaqe.2017.06.001.*

Mishra, B.K., Herath, S., Sampath, D.S., Fukushi, K. and Weerakoon, S.B. (2017): Modeling water allocation options in Deduru Oya reservoir system, Sri Lanka, *Sustain. Water Resour. Manag,* doi:10.1007/s40899-017-0101-z.

Mishra, B.K. and Herath, S. (2015): Assessment of future floods in Bagmati River Basin of Nepal using bias corrected daily GCM precipitation data, Journal of Hydrologic Engineering, ASCE, DOI: 10.1061/(ASCE)HE.1943-5584.0001090.

Mishra, B.K., Awal, R., Herath, S. and Fukushi, K. (2014): Trends and variability of climate and river flow in context of run-of-river hydropower schemes: a case study of Sunkoshi river basin, Nepal, International Journal of Hydrologic Science and Technology, Vol. 4 (4), pp. 282-293.

Mishra, B.K. and Takara, K. (2014): Integrating synthetic flood data for selection of regional frequency distribution, *International Journal of Hydrologic Science and Technology*, Vol. 4(1), pp. 1-17.

Mishra, B.K., Takara, K., Yosuke Yamashiki and Tachikawa, Y. (2010): An assessment of predictive accuracy for two regional flood-frequency estimation methods, *Annual Journal of Hydraulic Engineering*, JSCE, vol. 54, 7-12.

Mishra, B.K., Takara, K., Yamashiki, Y. and Tachikawa, Y. (2009): Hydrologic simulation aided regional flood frequency analysis of Nepalese river basins, *Journal of Flood Risk Management*, Wiley-Blackwell, vol. 2(4), pp. 243-253.

Mishra, B.K., Takara, K., and Tachikawa, Y. (2009): Integrating the NRCS runoff curve number in delineation of hydrologic homogeneous regions, *Journal of Hydrologic Engineering*, ASCE, volume 14(10), pp. 1091-1097.

Mishra, B.K., Takara, K., Yosuke Yamashiki and Tachikawa, Y. (2009): Estimation of index flood in hydrologic regions with limited data, *Annual Journal of Hydraulic Engineering*, JSCE, vol. 53, pp. 55-60.

Mishra, B.K., Takara, K. and Tachikawa, Y. (2008): Regionalization of Nepalese river basins for flood frequency analysis, *Annual Journal of Hydraulic Engineering*, JSCE, vol. 52, pp. 91-96.