

Brief-Biography

Raghunath Jha, PhD

Professor (Associate)

Department of Civil Engineering

Institute of Engineering,

Pulchowk Campus,

Tribhuvan University,

Lalitpur, Nepal,

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Professional Experience

- GIS and Remote Sensing
- Hydrology
- Water Resources
- Hydropower

Academic Background

Ph. D (Civil Engineering).: Ph.D. Dissertation: Development Distributed Hydrological Model Incorporating Surface Flow Interactions and its Application to Large Tropical catchment, University of Tokyo, Japan, 1997

M. E, GPA 3.97/4.0, (First Class First): School of Civil Engineering, Irrigation Engineering and Management (IREM), Master Thesis: Optimum Irrigation Water utilisation in the Chao Phraya and Mae Klong Basin, Thailand, Asian Institute of Technology, Bangkok, 1993

B. E., Civil Eng. (Hon.), University of Roorkee, India, 1984

Award and Scholarship

1993: THE HISAMATSU Prize for Most outstanding Academic performance in Master of Engineering, AIT

2000, MAHENDRA BIDYABHUSHAN A

2000, MAHENDRA BIDYABHUSHAN B

1980: World Bank Scholarship for pursue BE Civil

1992: AIT Scholarship for Pursue ME in AIT

1994: Monbosho Scholarship for pursue Ph. D. in University of Tokyo

General Research Interest Areas

Water Resources and Hydropower

Specific Research Interest Areas

GIS Application in Water Resources and Hydropower

Experienced Research Areas

GIS Application in Water Resources and Hydropower

Key Publications

1. Roshan Shrestha, Y. Tachikawa, K. Takara and Raghunath Jha, 2004, Water Resources Assessment in a poorly gauged mountainous catchment using a geographical information system and remote sensing, *Hydrological Processes*, 18, 3061-3079(2004), John Wiley & Sons Ltd
2. Raghunath Jha, S. Herath, and Katumi Musiaka, 2000, Application of IIS Distributed Hydrological Model (IISDHM) in NakhonSawan Catchment, Thailand, *Journal of Hydroscience and Hydraulic Engineering*, Vol. 18. No. , May 2000, pp. 21-27
3. Raghunath Jha, S. Herath, and Katumi Musiaka, 1999, River Network Solution for a Distributed Hydrological Model and Applications, *Hydrological Process*, Vol 14, pp. 575-592, John wiley& Sons Ltd
4. Raghunath Jha, S. Herath, and Katumi Musiaka, 1998, Application of IIS Distributed Hydrological Model (IISDHM) in NakhonSawan Catchment, Thailand, *Annual Journal of Hydraulic Engineering, JSCE*, Vol.42, pp 145-150,
5. Raghunath Jha, S. Herath, and Katumi Musiaka, 1998, Application of IIS Distributed Hydrological Model (IISDHM) in NakhonSawan Catchment, Thailand, *Annual Journal of Hydraulic Engineering, JSCE*, Vol.42, pp 145-150,

Professional and Social Affiliations

Research Projects
