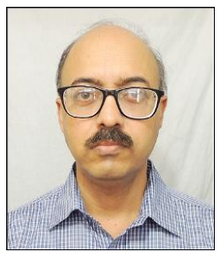
Dr. Utpal Kumar Misra
Associate Professor
Civil Engineering Department
Assam Engineering College, Guwahati- 781013
E-mail: utpal_misra2004@yahoo.com
Mobile No.: 9864200298



Education

Ph. D. in Water Resources Engineering, IIT Roorkee (2006)

M. E. in Watershed Management and Flood Control (Civil Engineering), Assam Engineering College (1995)

B. E. in Civil Engineering, Assam Engineering College [First Class Second under Gauhati University] (1992)

Professional Experience

Associate Professor, Assam Engineering College (April 2011 - Till date)

Assistant Professor, Assam Engineering College (April 2008 – April 2011)

Lecturer, Assam Engineering College (October 1994 – April 2008)

Research Interest

Hydraulic Engineering

Fluvial Hydraulics

Water Resources Engineering

Professional Membership

Life Member – Indian Society for Technical Education (ISTE)

Member – The Institution of Engineers (India)

Teaching Experiences

UG and PG courses:

Engineering graphics

Engineering surveying

Fluid Mechanics

Hydraulics and Hydraulic Machines

Hydraulic Engineering

Estimation and Valuation

Transportation Engineering

Water Resources Engineering

Open Channel Flow

Hydraulic Machines

Principle of Watershed Management

Flow through Porous Media

Advanced Hydraulic Engineering

Design of Hydraulic and Hydropower Structures

Hydrological Measurement and Data Analysis

Research Experiences

Number of Master Degree Dissertation Guided: 19

Details of Sponsored / Consultancy Project Handled

- Total 18.00 Lacs funded by AICTE titled "Mathematical Modeling of an Erosion Affected Reach of River Brahmaputra"
- Involved in consultancy works for Water Resources Department, Assam

Publications

Journal Paper

1. Hussain. I and Misra, U. K. (2018). "Morphometric Analysis in GIS Framework: A Case Study in Champabati Watershed", International Research Journal of Engineering and Technology, Vol. 05, Issue 05, pp. 3767- 3780.

2. Hussain. I and Misra, U. K. (2018). "Soil Loss Estimation in GIS Framework: A Case Study in Champabati Watershed", International Journal of Innovative Research in Advanced Engineering, Vol. 5, Issue 5, pp. 187- 196.

3. Bora, P and Misra, U. K. (2018). "An Experimental Study on Effect of Flexibility of Vegetation on Resistance to Flow", International Research Journal of Engineering and Technology, Vol. 05, Issue 02, pp. 2127- 2131.

4. Nath, D and Misra, U. K. (2017). "Experimental Study of Local Scour around Single Spur Dike in an Open Channel", International Research Journal of Engineering and Technology, Vol. 04, Issue 06, pp. 2728- 2734.

5. Nath, D and Misra, U. K. (2017). "Experimental Study of Local Scour around Non-Submerged Multiple Spur Dikes", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6, Issue 7, pp. 12641- 12649.

6. Teronpi, J and Misra, U. K. (2015). "Experimental Investigation of Local Scour around Submerged Vanes", International Journal of Innovative Research in Advanced Engineering, Vol. 2, Issue 7, pp. 21- 24.

Conference Paper

1. Nath, D and Misra, U. K. (2017). "Effect of Spur Dike Alignment Angle on Scour Characteristics around Spur Dike in a Straight Channel", National Conference on Hydrology and Watershed Management, Department of Civil Engineering, National Institute of Technology, Silchar.

2. Sultana, S. N, Misra, U. K and Hazarika, U. M. (2016) "Improvement of Water Use Efficiency: A Case Study of Sukla Irrigation Project, Assam", 1st International Conference on Civil Engineering for Sustainable Development- Opportunities and Challenges, Civil Engineering Department, Assam Engineering College, Guwahati.