



## Prayag Prasad Mishra, M.Sc., PhD

**Name:** Dr. Prayag Prasad Mishra

**Designation** : Addl. Professor

**Department** : Department of Basic Science and Humanities  
(JOINED THE INSTITUTE IN 2001)

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### Academic Qualifications

Ph. D. (Mathematics), Utkal University, India

M.Phil (Mathematics), Utkal University, India

M. Sc. (Mathematics) Utkal University, India

Specialization: Differential Equation.

## PUBLICATIONS

### JOURNAL

1. **P P Mishra** and R N Rath "NON- OSCILLATORY BEHAVIOUR OF HIGHER ORDER FUNCTIONAL DIFFERENTIAL EQUATIONS OF NEUTRAL TYPE" Electronic Journal of differential equations, 2007 (163), 1-14, 2007, USA, Texas state University.
2. **R N Rath** and P P Mishra "NON-OSCILLATORY CRITERIA FOR A CLASS OF SECOND ORDER NON- LINEAR FORCED NEUTRAL- DELAY DIFFERENTIAL EQUATIONS" Mathematica Slovaca 59(4), 1-14, 2009., Czechoslovakia.
3. **P P Mishra** and R N Rath "ON OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF A NEUTRAL DIFFERENTIAL EQUATION OF FIRST ORDER WITH POSITIVE AND NEGATIVE COEFFICIENTS" Electronic Journal of differential equations, 2007 (01), 1-7, 2007, USA, Texas state University.

4. **P P Mishra** and R N Rath "BOUNDED OSCILLATION AND CONVERGENCE OF SOLUTION IN A NEUTRAL DIFFERENTIAL EQUATION WITH OSCILLATING COEFFICIENTS Journal of Indian Mathematical Society, 76(1-4)141-150,2009..
5. **R N Rath** and P P Mishra "OSCILLATORY BEHAVIOUR OF SOLUTIONS OF A NON- LINEAR DELAY DIFFERENTIAL EQUATION OF NEUTRAL TYPE". Journal of the Orissa Mathematical Society, 26(1&2), 45-55, 2007.
6. **R N Rath** and P P Mishra "OSCILLATION AND CONVRGENCE OF BOUNDED SOLUTIONS OF A CLASS OF HIGHER-ORDER NEUTRAL DELAY DIFFERENTIAL EQUATIONS" JOMS, 30(1), 35-51, 2011.

## CONFERENCES

1. Necessary and sufficient conditions for the Oscillatory behavior of Solutions of non-linear neutral differential Equations. National Conference on Mathematics,22nd December 2010, Berhampur University, Odisha.
2. UGC Sponsored conference on "Mathematical method in science and engineering computation" February 2007, place.
3. 38th annual conference of OMS in 2010, date and place
4. 40th annual conference of OMS in 2012, date and place

## SHORT TERM COURSE:

1. "DECISION MAKING TOOLS IN ENGINEERING" IIT, Kharagpur- 11 -24<sup>th</sup> December 2006.
2. "MATHEMATICAL TECHNIQUES IN SCIENCE AND ENGINEERING" 26 – 30<sup>th</sup> June 2006IIT, Guwahati, .
3. Short term course on complex analysis,June 2007, NIT, Karnataka,.

## Student Guidance:

**Ph. D.** - Guiding **01** student for completion of Ph.D. as co-supervisor at BPUT, Odisha.