Prayag Prasad Mishra, Ph.D.

Designation : Professor

Department : Department of Basic Science and Humanities

(JOINED THE INSTITUTE IN THE YEAR 2001)

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RESEARCH INTERESTS

- ✓ Differential Equation
- ✓ Functional Analysis
- ✓ Numerical Analysis

Academic Qualifications

- ✓ M.Sc., M.Phil., Ph.D.

Teaching/Industrial/Research Experience

- ✓ 25 Years

PUBLICATIONS

JOURNAL & CONFERENCES

[1]. EJDE, Texas State University, "Non Oscillatory behavior of Higher order Functional Differential Equations of Neutral type,"Vol. No.163, pp. 1-14, 2007.

[2]. "NON-OSCILITORY CRITERIA FOR A CLASS OF SECOND ORDER NON-LINEAR FORCED NEUTRAL- DELAY DIFFERENTIAL EQUATIONS" Mathematica Slovaca 59 (2009), No.4, 1-14, Czechoslovakia.

[3]. "ON OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF A NEUTRAL DIFFERENTIAL EQUATION OF FIRST ORDER WITH POSITIVE AND NEGATIVE COEFFICIENTS" Electronic Journal ofdifferential equations, Vol. 2007 (2007), No. 01, pp. 1-7. USA, Texas state University.

[4]. "BOUNDED OSCILLATION AND CONVERGENCE OF SOLUTION IN A NEUTRAL DIFFERENTIAL EQUATION WITH OSCILLATING CO-EFFICIENTS" Journal of Indian Mathematical Society, Vol 76, No.1-4(2009),141-150

[5]. "OSCILLATORY BEHAVIOUR OF SOLUTIONS OF A NON- LINEAR DELAY DIFFERENTIAL EQUATION OF NEUTRAL TYPE". Journal of the Orissa Mathematical Society, Volume 26, No 1&2 (2007), pp.45- 55.

[6]. "OSCILLATION AND CONVRGENCE OF BOUNDED SOLUTIONS OF A CLASS OF HIGHER-ORDER NEUTRAL DELAY DIFFERENTIAL EQUATIONS" JOMS, vol.30, No.1(2011),p.35-51

[7]. "Oscillation for super linear second order neutral difference equations with variable several delays" IJMEM, vol 5. No.4, 2020

[8]. "Oscillation and asymptotic behavior of a higher-order neutral delay difference equations with variable delays under delta n". Mathematica slovaca, 71, 2021.

ANY OTHER

CONFERENCES ATTENDED

[1]. Necessary and sufficient conditions for the Oscillatory behavior of Solutions of a non-linear neutral differential Equations. National Conference on Mathematics at Berhampur University (22nd December 2010)

[2]. UGC Sponsored conference on "Mathematical method in science and engineering computation" February 2007. 3 – 38th annual conference of OMS in 2010 4 – 40th annual conference of OMS in 2012

SHORT TERM COURSES (UNDER QIP)

[1]. "Decision Making Tools In Engineering" IIT, Kharagpur- December 11-24, 2006.

[2]. "Mathematical Techniques In Science And Engineering" IIT, Guwahati – June 26-30, 2006.

[3]. Short term course on complex analysis at NIT, Karnataka, June 2007.