



## Chittaranjan Behera, M.Sc., M.Phil., Ph.D.

**Designation** : Associate Professor

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

**Contact** : +919937289499 -313 (O); +919338450828 (M)

**Email** : crb@silicon.ac.in

### ACADEMICS

#### RESEARCH INTERESTS

Neutral delay difference equation, Oscillatory and asymptotic behavior of neutral delay difference equation

#### ACADEMIC QUALIFICATIONS

PhD (Mathematics): BPUT, Odisha, India

M.Phil (Mathematics): Berhampur University, India

M. Sc. (Mathematics): Ravenshaw University, India (1<sup>st</sup> position)

Certificate Course: High-Dimensional Data Analysis, Harvard University, USA through EDX, August 2018 (MOOCS)

#### Teaching Experience/Industrial Experience/Research Experience

- 22 years of teaching experience to UG, PG degree students
- 11 years of research experience.

### PUBLICATIONS

#### Journal & Conferences

- [1]. C.R. Behera, R. N. Rath, P.P. Mishra, Oscillation and asymptotic behavior of a higher-order neutral delay difference equation with variable delays under  $\Delta_m$ , Math. Slovaca, 70(6), Dec' 2020.
- [2]. C.R. Behera, R.N. Rath, Oscillation and asymptotic behavior of second-order neutral delay difference equations with variable delays, Int. J. of Diff. equ.15(1), 107 - 126, 2020.
- [3]. C.R. Behera, , R. N. Rath, P.P. Mishra, Oscillation for second order neutral difference equations with variable delays, Int. J. of Mathematical, Engineering and Management Sciences, 5(4), 663 - 681, 2020.

- [4]. R.N. Rath, C.R. Behera, Oscillatory and asymptotic behavior of a first order neutral equation of discrete type with variable several delay under  $\Delta$  sign, International J. of Math. and Mathematical Sciences, 2018, Article ID 4586176, <https://doi.org/10.1155/20184586176>.
- [5]. R. N. Rath, C. R. Behera, A. K. Bhuyan, Oscillatory and asymptotic behavior of higher order neutral difference equations, *Acta Mathematica Academiae Paedagogicae Nyiregy háziensis*, 31(2), 233 - 248, 2015.

**Conference Attended:**

- [1]. 36th Annual Conference of Odisha Mathematical Society, 7 - 8th Feb 2009, IMA, BBSR
- [2]. National Seminar on Probability and Analysis, 11th and 12th Feb' 2009, IMA, BBSR
- [3]. 38th Annual Conference of Odisha Mathematical Society and National Seminar on Role of Mathematics in Engineering and Technology, 8 - 9th Jan 2011, ITER, BBSR.
- [4]. Workshop on Numerical Optimization and Its Engineering Applications, 7 - 10th July 2011, SIT, BBSR
- [5]. National Conference on Future Trends in Information and Communication technology and Application, 10th Sept 2011, SIT, BBSR
- [6]. National Seminar on Optimization and Its Applications, 16 - 17th Dec' 2011, TAT, BBSR
- [7]. 39th Annual Conference of Odisha Mathematical Society and National Seminar on Cryptography, VIT, (BBSR), 2012
- [8]. UGC Sponsored National Seminar on Discrete Mathematics and Its Applications, 9 - 10th Dec 2012, Pattamundai College, Pattamundai, Odisha.
- [9]. 99th Indian Science Congress, 3 - 7th Jan' 2012, KIIT University, BBSR.
- [10]. 3rd Int. Symposium on Complex Dynamical Systems and Applications, 10 - 12th March 2014, ISI Kolkata.
- [11]. Workshop on Graph Theory and Applications, 15th Dec 2015, SIT, BBSR
- [12]. Workshop on Scientific Document Preparation Using LATEX, 28 - 29th Dec 2015, SIT, BBSR
- [13]. Online Course on Examination Reforms, 22-25th April 2020, AICTE New Delhi.
- [14]. BPUT, Academic meet: Transformation of Technical and Professional Education in line with NEP-2020, 27<sup>th</sup> Dec 2022, Lokseva Bhawan, BBSR

**ANY OTHER**

**Administrative Responsibilities:**

Faculty In Charge of Time Table

FIC-ERP(Academics)

Member of Academic Council of SIT BBSR

Member of Examination Process Planning Committee of SIT BBSR

Member of Program Coordination Committee (PCC) of SIT BBSR

Faculty In charge of Faculty Advisers

**Awards:** National Scholarship Award in Post Graduation