



# HIRALAL BHAKAT COLLEGE

*A Govt. Aided Degree College  
Affiliated to the University of Burdwan*



## DR. Banshidhar Sahoo

### Assistant Professor in Mathematics

**Dr. Banshidhar Sahoo** is an Assistant Professor in the department of Mathematics of Hiralal Bhakat College, Nalhati, Birbhum, West Bengal. He obtained his Ph.D. degree from University of Calcutta, Kolkata, India, in 2015. He stood first in M.Sc. from Vidyasagar University in 2008. He was the recipient of Sabitri Parya Memorial Endowment Gold Medal and Shyamdeo Singha Memorial Endowment Gold Medal. He is interested on the subject area of Analysis, Calculus, Geometry and Computer Programming in teaching level. His research interest is on the field of Bio-Mathematics and Non-linear Dynamics. He has to his credit more than 36 research papers published in national and international journals. He is an author of a book -MCQ Mathematics-a guide for exam success published by Techno World, Kolkata, in 2016. This book is received great popularity to the students and teachers in whole country. He is a reviewer of many national and international journals. He is the Convenor of Online admission committee and members of various committee of the College.

#### CONTACT

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#### RESIDENTIAL ADDRESS:

Vill-Chakgarupota, P.O.-Dobandi,  
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**HOBBIES:** Music and drawing

#### DATE OF JOINING

20.03.2017

#### EXPERIENCE

4 years

#### AREA OF TEACHING

Algebra, Analysis, Calculus, Geometry

#### ACADEMIC QUALIFICATION

M.Sc. from Vidyasagar University in 2008, Ph.D from University of Calcutta in 2015.

#### AREA OF SPECIALIZATION/ MAJOR RESEARCH THRUST

- Bio-Mathematics
- Non-linear Dynamics  
Mathematical Modelling

#### PROJECT UNDERTAKEN

NA

#### FIVE MAJOR AWARDS/RECOGNITIONS (IF ANY)

- Vidyasagar University Gold-centered Silver Medal, 2008.
- Sabitri Parya Memorial Endowment Gold-centered Medal, Vidyasagar University, 2008.
- Shyamdeo Singha Memorial Endowment Gold-centred Medal, Vidyasagar University, 2008.

#### FIVE MAJOR PUBLICATIONS

1. A comparison of ecological and eco-evolutionary system with rapid predator evolution. International Journal of Dynamics and Control (**Springer**). (2020), 9, 1-19. ISSN: 2195-268X.
2. Emergent impacts of alternative resource in cannibalistic predator-prey system, Modeling Earth Systems and Environment (**Springer**) (2020). DOI:10.1007/s40808-020-00884-w. ISSN: **2363-6211**.

3. Dynamics of predator–prey system with fading memory. Applied Mathematics and Computation (**Elsevier**). (2019), 347,319–333. ISSN: 0096-3003.

4. Dynamics of an epidemic system with prey herd behaviour and alternative resource to predator. Journal of Physica A: Mathematical and Theoretical (**IOP Science**). (2019), 52, 425601. ISSN: 1751-8121.

5. Prey-predator dynamics with prey refuge providing additional food to predator. Chaos, Soliton & Fractals (**Elsevier**) (2017) . 96, 110-119. ISSN: 0960-0779.

#### FIVE MAJOR BOOKS/ BOOK CHAPTERS

1. MCQ Mathematics- a guide for exam success. Techno World, Kolkata. (2016). ISBN: **978-81-926695-5-7 (1<sup>st</sup> Edition)**.

2. MCQ Mathematics- a guide for exam success. Techno World, Kolkata. (2020). ISBN: 978-81-926695-5-7 (**5<sup>th</sup> Edition**).

#### Research Gate Id

<https://www.researchgate.net/profile/Banshidhar-Sahoo>

#### Google scholar Id

<http://scholar.google.co.in/citations?user=e78c9rsAAAAJ&hl=en>

#### Orcid Id

0000-0002-3610-0199

#### ADDITIONAL INFORMATION/ACHIEVEMENT

1. Engage as co-supervisor of a Ph.D. Student Arghadip Roy, NIT, Durgapur.
2. Member of Calcutta Mathematical Society, Kolkata.

