

Biswajit Das



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EDUCATION

- Ph.D.: Ph.D. in Mathematics from Indian Institute of Technology Guwahati, Guwahati, Assam, India.
- M.Sc.: Obtained a Masters Degree in Mathematics in 2013 from Tezpur University, Tezpur, Assam, India.
- B.Sc.: Graduated in Mathematics(Major) in 2011 from Tinsukia College, Tinsukia, Assam, India.
- XII STD: Passed Higher Secondary in 2007 from Tinsukia College, Tinsukia, Assam, India.
- X STD: Passed High School in 2005 from Tinsukia Bangiya Vidyalaya, Tinsukia, Assam, India.

AWARDS &

- Cleared CSIR-NET(UGC-JRF) in Mathematical Sciences in 2013.

ACHIEVEMENTS

- Cleared GATE in Mathematics in 2013.
- Earned “Gold Medal” in 2014 for securing 1st rank in M.Sc.
- Earned “Post-Graduate Merit Scholarship” in 2012 for securing 1st rank in B.Sc.

TEACHING

1. Worked as Assistant Professor at Digboi College, Digboi, Assam from December 2020 to December 2021.
2. Worked as Guest Faculty at Tezpur University, Tezpur, Assam during Spring Semester, 2020.
3. Participated in Mathematics Training and Talent Search Programme as a Tutor, (23 June - 19 July, 2014).
4. Teaching Assistantship at IIT Guwahati during Ph.D.
 - Linear Algebra & Real Analysis.
 - Multi variable Calculus & Differential equations.
 - Matrix Computations.

- Numerical Linear Algebra.
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RESEARCH
AREA

- Numerical Linear Algebra.
 - Matrix Analysis.
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RESEARCH
INTERESTS

- Linear and Nonlinear Eigenvalue problems.
 - Distance problems associated with Matrix Polynomials.
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SUBMITTED/
ACCEPTED FOR
JOURNAL
PUBLICATION

1. Biswajit Das and Shreemayee Bora. “Nearest Rank Deficient Matrix Polynomials”. Submitted for publication.
 2. Biswajit Das and Shreemayee Bora. “Nearest Matrix Polynomials with a Specified Elementary Divisor”. *SIAM Journal on Matrix Analysis and Applications*, 41(4):1505-1527, 2020.
 3. Biswajit Das and Shreemayee Bora. “Vector Spaces of Generalized Linearizations for Rectangular Matrix Polynomials”. *Electronic Journal of Linear Algebra*, 35:116-155, 2019.
 4. Ashish Kothyari, Biswajit Das, Shreemayee Bora, and Madhu N. Belur. “On the Distance to Singular Descriptor Dynamical Systems with Impulsive Initial Conditions”. *IEEE Transactions on Automatic Control*, 64(3):1137 - 1149, 2019.
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CONFERENCE
& WORKSHOP
ATTENDED

1. International Congress on Industrial and Applied Mathematics, July 15-19, 2019, University of Valencia, Valencia, Spain.
 2. International Conference on Applied and Computational Mathematics, November 23-25, 2018, Indian Institute of Technology Kharagpur, West Bengal, India.
 3. SIAM Conference on Applied Linear Algebra, May 04-08, 2018, Hong Kong Baptist University, Hong Kong.
 4. Advanced Instructional School on Matrix Analysis, May 02-21, 2016, Shiv Nadar University, Greater Noida, Uttar Pradesh, India.
 5. National Seminar on Advances in Mathematical Sciences, December 21-22, 2015, Gauhati University, Guwahati, Assam, India.
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