Faculty Profile

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Name   : Suhas B N
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About me: I work in the area of Algebraic Geometry, more precisely, on the moduli space of vector bundles over algebraic curves. I completed my PhD from IIT Madras in 2017. Before joining NIE, I was a postdoctoral fellow at IIT Madras, the Chennai Mathematical Institute and a NBHM postdoctoral fellow at Amrita Vishwa Vidyapeetham, Bangalore. I have also worked as an Assistant Professor in Mathematics at St. Joseph's College (Autonomous), Bangalore and Amrita School of Engineering, Bangalore.

Qualification:

B.Sc. (Bangalore Univ.), MSc (Bangalore Univ.), Ph.D. (IIT Madras).

Courses Taught: UG - Linear Algebra, Optimization, Probability and Sampling, Ordinary Differential Equations, Discrete Mathematics.

PG - Linear Algebra, Differential Geometry, Topology, Algebraic Geometry.

Publications:

Journal Publication:

1) **Suhas B N,** Praveen Kumar Roy and Amit Kumar Singh **(2025)**: "Exploring the Interplay of Semistable Vector Bundles and Their Restrictions on Reducible Curves", *Advances in Geometry*, 25(2), 279 - 288.

2) Krishna Hanumanthu, Cyril J Jacob, **Suhas B N** and Amit Kumar Singh (**2024**): "Seshadri constants on blow-ups of Hirzebruch surfaces", *Mathematische Nachrichten*, 298, 437-455.

3) Vivek Bhabani Lama, **Suhas B N**, Susobhan Mazumdar and Raisa Dsouza (**2024**): "Extensions of i-reversible rings", *Journal of Algebra and Its Applications*, 23(4), 2450081 (16 Pages).

4) **Suhas B N**, Praveen Kumar Roy and Amit Kumar Singh (**2022**): "On the Rationality of moduli spaces of vector bundles over chain-like curves", *Journal of Geometry and Physics*, 179, 104590.

5) **Suhas B N**, Susobhan Mazumdar and Amit Kumar Singh (**2021**): "On the stability of kernel bundles over chain-like curves", *Journal of Geometry and Physics*, 164, 104167.

6) Mohan R and **Suhas B N** (**2021**): "Cohn-Leavitt path algebras of bi-separated graphs", *Communications in Algebra*, 49, 1991-2021.

7) Arijit Dey and **Suhas B N** (**2018**): "Rationality of moduli space of torsion-free sheaves over reducible curve", *Journal of Geometry and Physics*, 128, 87 - 98.

8) Pabitra Barik , Arijit Dey and **Suhas B N** (**2017**): "Intersection Poincare Polynomial for Nagaraj-Seshadri Moduli Space", *Mathematische Nachrichten*, 291, 7 - 23.

9) Pabitra Barik , Arijit Dey and **Suhas B N** (**2016**): "On the rationality of Nagaraj-Seshadri moduli space", *Bulletin des Sciences Mathematiques*, 140, 990 - 1002.

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