

Individual-Profile

Dr. Santana Hazarika
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Educational Qualification:

- **B.Sc.** in Mathematics from Nanda Nath Saikia College, Titabar, under Dibrugarh University, 2009.
- **M.Sc.** in Mathematics from Tezpur University, 2011.
- **Ph.D.** from Dibrugarh University, 2017.

Other Qualifications/Eligibilities:

- Cleared **State Level Eligibility Test (SLET)** for Lectureship, NE Region, 2015.
- **Diploma in Computer Application.**
- Cleared **Teacher Eligibility Test (Higher Secondary)**, Assam, 2013.

Teaching Experiences:

1. Lecturer (contractual) in Nanda Nath Saikia College, Titabar.
2. Lecturer (contractual) in J. B. College, Jorhat, Assam.
3. Lecturer (contractual) in Assam Agricultural University, Jorhat, Assam.
4. Post Graduate teacher in Pragjyotika Junior College.
5. Assistant Professor, Department of Mathematics, Jengraimukh College from 24-11-2022.

Research Area & Interest: Fluid Mathematics, Dusty Fluid, MHD .

List of Research Publications:

1. Effect of variable viscosity and thermal conductivity on the flow of Dusty fluid over a continuously moving plate, G. C. Hazarika and Santana Hazarika, International Jurnal of Computer Applications, ISSN – 0975-5887, Vol- 122, No- 4, July 2015.
2. Effect of variable viscosity and thermal conductivity on MHD free connction and mass transfer flow over an Inclined vertical surface in a Porous Medium with Heat Generation, Santana Hazarika and G. C. Hazarika, the int. J. of Engineering and Science, ISSN (e) – 2319-1813, ISSN (p) -2319-1805, Vol -4, PP- 20-27, 2015.

Book Chapters and Proceedings:

- **Book:** Co-ordinate Geometry -2D, ISBN- 978-93-87769-68-7, KY Publications.
- **Book Chapters:**
 1. Recent trends of Mathematics , ISBN -9789383252 626, EBH publisher, 2017.
 2. ‘Dusty Fluid’ , Research Trends in Multidisciplinary Research , ISBN - 9789353357061 , Akinik publications , 2019.
 3. Non-Dimensional number ; Research Trends in Mathematics and Statistics, ISBN – 9789396541024, Akinik publication, 2019.

Paper Presentation in UGC Sponsored National and International Seminars/Conferences:

1. Variable viscosity and thermal conductivity on MHD mixed connective flow over a stretching surface with radiation and heat generation, organized by Department of Mathematics, Rajiv Gandhi University, Itanagar, November 6 & 7, 2015.
2. Effect of variable viscosity and thermal conductivity on Heat and Mass transfer dusty fluid flow over Impulsively started vertical plate on Analysis and Application organized by Department of Mathematics, Institute of Science Banaras Hindu University, Varanasi, India – February 5-7, 2016.
3. Effect of variable viscosity and thermal conductivity on Dusty fluid Flow over a vertical plate on National seminar on Advances in Mathematical Science, organized by Assam academy of Mathematics and Department of Mathematics, Gouhati University ; 21-22 December, 2015.

4. Effect of variable viscosity and thermal conductivity on Dusty fluid Flow over a vertical plate on Dusty fluid flow over a vertical porous plate, in National Conference on Mathematics and its Application organized by Department of Mathematics, Cotton College State University, Guwahati 21-22 October, 2016.
