

# GUWAHATI COLLEGE

## FACULTY PROFILE



1. NAME : Dr. Bandita Das
2. QUALIFICATION : M.Sc, Ph.D
3. DESIGNATION : Assistant Professor
4. DEPARTMENT : Mathematics
5. SPECIALIZATION : Applied Mathematics(Fluid Mechanics)
6. EMAIL ID : banditadas1234@gmail.com
07. PHONE NO : 8638373551
08. WHATSAPP NO : 8638373551
9. DATE OF BIRTH : 27-03-1985
10. DATE OF JOINING : 09-02-2018
11. ACADEMIC RECORD

| DEGREE            | INSTITUTION        | YEAR OF AWARD |
|-------------------|--------------------|---------------|
| B.A./B.SC./B.COM. | B.Borooh College   | 2009          |
| M.A./M.SC./M.COM. | Gauhati University | 2011          |
| M.PHIL            | NA                 | NA            |
| PhD               | Gauhati University | 2017          |
| NET/SLET          | SLET               | 2017          |
| OTHERS            | PGDCA              | 2013          |

12. TEACHING EXPERIENCE : 10 years

13. SUBJECT/TOPIC TAUGHT: Real Analysis, Logic, Graph Theory, Differential Equation, Partial differential Equation, Analytical Geometry, Numerical analysis, Matrices, Calculus, Linear Algebra, C-Programming, Mathematica, Latex and HTML.

14. RESEARCH ACTIVITIES : NA

## 15. PUBLICATIONS :

- R.Choudhury,B.Das,“Threedimensional visco-elastic flow with heat and mass transfer past a vertical porous plate in presence of variable suction” is published in “WSEAS TRANSACTIONS ON MATHEMATICS”, 13,714-725, 2015, E-ISSN:2224-2880.
- R.Choudhury, B.Das, “Influence of visco elasticity on MHD heat and mass transfer flow through a porous medium bounded by an inclined surface with chemical reaction” is published in “INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY” 34(2),332-338,2016,ISSN: 0392-8764.
- R.Choudhury, B.Das,“Flow and heat transfer in MHD visco-elastic fluid with ohmic heating” is published in “MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES”, Vol. 12, No. 1, 2016,ISSN: 2289-5981, e-ISSN:2289-599X.
- R. Choudhury, B. Das, “Transient MHD visco elastic flow past an impulsively started infinite porous plate in presence of hall current” is published in “ACTA TECHNICA”, vol 60, No. 4, 2015, 387-404,ISSN:0001-7043.
- B. Das, R. Choudhury, “Visco-elastic effects with simultaneous thermal and mass diffusion in MHD free convection flow near an oscillating plate in the slip flow regime” is published in “AIP CONFERENCE PROCEEDINGS 1715”,020003,2016, <https://doi.org/10.1063/1.4954856>
- B. Das, “On hydro magnetic channel flow of a visco-elastic second grade fluid induced by heat and mass transfer” is published in “International conference on analysis and applied mathematics”, 2018, ISBN 9789387 -871502.
- R.Choudhury, B.Dey and B.Das,“Hydromagnetic oscillatory slip flow of a visco-elastic fluid through a porous channel”is published in“Chemical EngineeringTransactions”,Vol-71, 2018, ISBN:978-88-95608-68-6, ISSN:2283-9216.
- B.Das, R.Choudhury,“Impact of oblique magnetic flux upon second-grade fluid flow with dissipation” is published in “Emerging Technologies in Data Mining and Information Security, Advances in Intelligt Systems and Computing755,Springer Nature Singapore”2019,611-620, [https://doi.org/10.1007/978-981-13-1951-8\\_55](https://doi.org/10.1007/978-981-13-1951-8_55).
- R.Choudhury,B.Dey and B.Das,“Three dimensional unsteady visco-elastic flow with heat and mass transfer and suction along a vertical porous plate ” is published in “Journal of Tripura Mathematical Society”, Vol.21, 2019, ISSN 0972-1320.
- M.kumar. Sarma, S.Sinha, B. Das, “Homotopy perturbation method for MHD boundary layer flow over a moving vertical plate in presence of heat and mass transfer” is published in “South East Asian Journal of Mathematics and Mathematical Sciences”, Vol.16(No. 3), 2020, ISSN: 0972-7752, 2582-0850 (online).

16. BOOKSPUBLISHED :NA

17. SEMINARS/CONFERENCES/WORKSHOPSATTENDANT:

- 100<sup>th</sup> The Indian Science Congress Association, held on January 3-7, 2013 at Kolkata, India.
- National Seminar on Frontier in Science and Technology organized by Assam Science Society, held on 8-9 March, 2013 at Guwahati, India
- National conference on pure and applied mathematics organized by Department of Mathematics, Royal School of Engineering & Technology, held during 9-10 May 2013 at Royal Group of Institutions, Guwahati, India.
- The Indian Society of Theoretical and Applied Mechanics (ISTAM), held during December 18-21, 2013 at Bengal Engineering and Science University, Shibpur, West Bengal, India.
- 3<sup>rd</sup> International Conference on Frontiers of Mathematics & Applications, organized by department of Mathematics, The University of Burdwan, West Bengal, India, held in January 29-31, 2014.
- International Conference on Advances in Pure & Applied Mathematics (ICAPAM-2014), held on March 7-9, 2014, organized by Department of Mathematics, JLN Government College, Haripur (Manali), Himachal Pradesh, India.
- National Meet of Research Scholars in Mathematical Sciences (NMRSMS-2015), organized by Department of Statistics, Gauhati University, Assam, India.
- International Conference on Emerging Technologies in Data Mining and Information security (IEMIS-2018), held on February 23-25, 2018, organized by School of Information Technology (IEM Group), India.
- Recent Trend in Higher Education in India: Issues & Challenges, held on August 25-26, 2018, organized by Guwahati college Teachers' unit.
- National Workshop on Research Methodology, held June 7-13, 2018, organized by IQAC, Guwahati College.
- International Conference on Analysis and Applied Mathematics, held on July 2-4, 2018, organized by Department of Mathematics, National Institute of Technology, Tiruchirappalli -620015.
- International conference MSAST 2018 with an Workshop on Mathematical and Statistical Application in Life Science and Engineering, held on December 21-23, 2018, organized by Maulana Abul Isalam Azad University of Technology, West Bengal India.
- National Conference on Green and Evolving Sciences (GSES-2019) & 64<sup>th</sup> Annual Technical Session of Assam Science Society, held on June 28-29, 2019 organized by Cotton University, Assam, India.

## 18. ANYOTHERS

- NPTEL-AICTE Faculty Development Programme (Funded by the Ministry of HRD, Govt of India), August-Oct 2018.
- NPTEL Online Certification (Funded by the Ministry of HRD, Govt of India), August-Oct 2018.
- Training Course on Women Empowerment organized by Department of Personal and Training, Government of India, November 19-21, 2018.
- Training for Teachers for Student Induction Program, held on August 8 10, 2019, Commission at Assam Down Town University.
- Mathematica Training Programme , held on November 14-16, 2019, Arya Vidyapeeth College, Guwahati, Assam, India under DBT Star College Scheme.
- One Week Online Training Programme On e-Learning in Higher Education organized by IQAC Pandu- College Guwahati in association with Rabindranath Tejor University, Hojai & Indian Association of Special Libraries and Information Centres, NE Zone, held on July 1-7, 2020.
- Five-day online Faculty Development Program on MATLAB FOR ENGINEERING MATHEMATICS organised by RV college of engineering Bengaluru-560059, autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi, Department of Mathematics held on 24<sup>th</sup> to 28<sup>th</sup> August, 2020.
- One week Faculty Development Programme on “DATA ANALYTICS & MATHEMATICAL SOFTWARE TOOLS” organised by Teaching Learning Centre, Ramanujan College during 25 February-03 March, 2022.