

TEACHER PROFILE

Name: DR KARABI DEVI

Qualification: M.SC (MATHEMATICS), PH. D. (THEORETICAL PLASMA PHYSICS)

Additional Qualification: NET(JRF)

Designation: Assistant Professor. Department of Mathematics & Statistics.

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Date of Joining: 07.01.2009

| EDUCATIONAL QUALIFICATION | | | |
|----------------------------------|-------------------------------|-----------------------------|-------------|
| Qualification | Title/Course | College / University | Year |
| Undergraduate | B SC | COTTON COLLEGE | 1997 |
| Postgraduate | M.SC (MATHEMATICS) | GAUHATI UNIVERSITY | 2000 |
| PhD | THEORETICAL PLASMA PHYSICS | GAUHATI UNIVERSITY | 2010 |

| CAREER PROFILE | | |
|---|-----------------------------------|--|
| Teaching Experience (in Years) | Area of Specialization | Courses and Subjects taught |
| 12 Years | Mathematical Sciences | Business Mathematics (B. Com), Business Statistics (B. Com), Business Mathematics & Statistics (B. Com, NH) Statistics (M. Com) Mathematics (HS) Business Mathematics & Statistics (HS) |

PUBLICATIONS:

| Sl.No. | Name of the Journal | ISSN | Vol No. | Year of publication | Title of the Papers* |
|---------------|--|-------------|--------------------|--------------------------------|---|
| 1. | Planetary and Space Science | 0032-0633 | 52 | 2004 | Nonlinear waves to study the evolution of collapsed soliton and its radiation. |
| 2. | Indian Journal of Pure & Applied Physics | 0975-1041 | 42 | 2004 | Dynamics and the characteristics behaviour of soliton propagation in dusty plasmas |
| 3. | Indian Journal of | 0975-1041 | 44 | 2006 | Propagation of soliton and its |

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|-----|--|---------------------------------------|-----|---------------------|---|
| | Pure & Applied Physics | | | | radiation in inhomogeneous discharge plasma |
| 4. | Planetary and Space Science | 0032-0633 | 55 | 2007 | Evolution of ion-acoustic solitary waves in magnetized plasma contaminated with varying dust charged grains. |
| 5. | <u>Astrophysics and Space Science</u> | 0004-640X (print); 1572-946X (web) | 330 | 2010 | Evolution of double layers in magnetised plasmas contaminated with dust charge fluctuations. |
| 6. | Journal of the Korean Physical Society | 0374-4884 (print); 1976-8524 (web) | 72 | 2018 | Characteristic Features of Double Layers in Rotating, Magnetized Plasma Contaminated with Dust Grains with Varying Charges. |
| 7. | Chinese Journal of Physics | 0577-9073 | 65 | 2020 | Dynamics of sheath evolution in magnetized charge-fluctuating dusty plasmas |
| 8. | Chinese Journal of Physics | 0577-9073 | 73 | 2021 | Effect of levitated dust kinetics in the dynamic evolution of inhomogeneous plasma Sheath |
| 8. | Chinese Journal of Physics | 0577-9073 | | Under Communication | Non-linear Pulsational Mode in viscoelastic Plasma |
| 9. | Abhibyakti | 2450-0546 | IV | 2016 | A Cursory Look at Under-Representation of Women in Math-Intensive Fields of Science |
| 10. | Sitara-i-Subah | 2347-4033 | | 2016 | A look at Persian Contribution to Science” . Page Nos (15-18) |

Research. Project:Completed successfully a Minor Research Project funded by UGC (No. F. 5-288/2009-10 (MRP/ NERO)/5859 Dated 14.12.2009

BOOKS:

| Sl. No | Title with page nos. | Type of Book and Authorship | ISSN/ISBN |
|--------|----------------------------------|--|-------------------|
| 01 | “Plasma Physics- An Overview” | A Reference book for degree and master degree students and also for research beginners | 978-81-923616-1-1 |

| CONFERENCE/SYMPOSIA/WORKSHOPS ATTENDED/ORGANIZED | | | |
|---|--------------------------------------|-------------|---|
| Title of the Conference/Symposia/Workshop | National/ International level | Year | Organizer |
| Nonlinear & Complex Phenomena on Plasmas and Fluids | National | 2016 | Centre for Plasma Studies, Jadavpur University |
| Challenges of Semester system in Higher Education in India | National | 2018 | Department of Mathematics, Debraj Roy College (UGC Sponsored) |
| International Conference on Mathematical Modelling in Applied Sciences (ICMMAS2020) | International | 2021 | Department of Mathematics, Dibrugarh University |

| STAFF DEVELOPMENT PROGRAMMES ATTENDED/ORGANIZED | | | |
|--|---|--------------------------------|--|
| Programmes | Title of the Programme | Date | Organizer |
| Orientation Programmes | OP | 26/11/2012 to 23/12/2012 | Academic Staff College, Gauhati University |
| Refresher Courses | Disaster Management | 10/03/2014 To 30/03/2014 | Academic Staff College, Gauhati University |
| | Emerging Trends in Science & Technology (IDC) | 25/10/2017 To 14/11/2017 | HRDCCentre,,Gauhati University |

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|--------------------------------------|---|---|--|
| Faculty Development Programme | One Week FDP on “Online Teaching & Learning in India” | 17-06-2020 to 22-06-2020 | Guru Anand Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD in Collaboration with Bodoland University |
| | NPTEL Online (SWAYAM) FDP on “Scientific Computing using Matlab” | September, 2020 to December, 2020 (12 Weeks) | IIT, Madras (NPTEL, Swayam) |
| | Faculty Development Programme on “Behavioral Remodeling & Use of ICT Tools for Classroom Delivery of Teachers | 22-10-2018 to 31-10-2018 | Electronics & ICT Academy, IIT Guwahati |
| | NPTEL Online Course (SWAYAM) on “Numerical Methods and Simulation Techniques for Scientists and Engineers” | 01.08.2019 – 01.10.2019 (8 Weeks) | IIT, Guwahati NPTEL Online Course (SWAYAM) |
| | Short term Course on “Value Education ” | 15.11.2019- 21.11.2019 | HRDC Centre, Gauhati University (UGC Sponsored) |
| | Short term Course on “Gender Studies “ | 06/11/2020 - 12/11/2020 | HRDC Centre, Aligarh Muslim University |
| | State –level Faculty Development Programme on “Application of Information & Communication Technology in Teaching” | 06.06.2017- 12.06.2017 | Golaghat Commerec College Teachers’ Unit |

Membership :

1. Life Member of “Plasma Science Society of India “(PSSI).
2. Member of “Assam Academy of Mathematics” (AAM).

3. Member of “ Assam College Teachers’ Association “ (ACTA)

K. V. S.

(Signature)