

Curriculum Vitae

Sudipto Bhattacharjee

Assistant Professor

Department of Mathematics

Krishna Chandra College

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Academic History

2016 – 2022	<i>Ph.D., Dept. of Mathematics, Jadavpur University.</i>
2013 – 2015	<i>M.Sc., Dept. of Mathematics, Jadavpur University.</i>
2010 – 2013	<i>B.Sc., Dept. of Mathematics, Jadavpur University.</i>
2010	<i>Higher Secondary(10+2 Standard), Siliguri Boys' High School, Siliguri.</i>
2008	<i>Madhyamik Pariksha(10 Standard), Siliguri Boys' High School, Siliguri.</i>

Teaching Experience

15.11.2019 – Present	<i>Assistant Professor, Dept. of Mathematics, Krishna Chandra College, Hetampur, West Bengal.</i>
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Awards

2018 – 2019	<i>CSIR-NET Senior Research Fellowship.</i>
2016 – 2018	<i>CSIR-NET Junior Research Fellowship</i>
2015	<i>Qualified GATE</i>
2013	<i>Qualified Joint Admission Test for MSc (JAM)</i>
2010 – 2015	<i>INSPIRE-SHE Scholarship</i>

Computational Skills

- Operating System : **Linux, Windows.**
- Programming Languages : **C, Python.**

- Software Packages : **LaTeX, MATHEMATICA, MAPLE.**

Seminars/Workshops/Conferences/HRDC Programmes

India

1. **Name :** NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC).
Participated only
Venue : UGC-MMTTC, North-Eastern Hill University, Shillong, Meghalaya, India-793022.
Held on : 6 – 16th November, 2023.
2. **Name :** One Day National Webinar on Fostering Social Responsibility and Community Engagement in HEIs in India 2.0.
Participated only
Venue : UGC-HRDC, North-Eastern Hill University, Shillong, Meghalaya India-793022.
Held on : 3rd October, 2023.
3. **Name :** One Day National Webinar on Common Universities Entrance Test (CUET).
Participated only
Venue : UGC-HRDC, North-Eastern Hill University, Shillong, Meghalaya India-793022.
Held on : 16th August, 2023.
4. **Name :** One-Day Regional Level Workshop on "Navigating the Challenges of NAAC Cycle-2 Accreditation: Insights, Strategies, Planning and Execution".
Participated only
Venue : Krishna Chandra College, Hetampur, Birbhum, West Bengal, India-733124.
Held on : 16th May, 2023.
5. **Name :** One-Day Regional Seminar on Intellectual Property Rights with Focus on Copyright & Patents.
Participated only
Venue : Krishna Chandra College, Hetampur, Birbhum, West Bengal, India-733124.
Held on : 12th May, 2023.
6. **Name :** One day online Workshop on NEP-2020 – Implementation Plan: Strategic Action Plan and Goals: "Motivated, Energized and Capable Faculty".
Participated only

- Venue :** CPDHE, UGC-HRDC, University of Delhi, Delhi, India-110007.
Held on : 24th February, 2023.
7. **Name :** UGC sponsored Refresher Course in Mathematical Science (Mathematics, Statistics).
Participated only
Venue : UGC-HRDC, University of Calicut, Calicut, Kerala, India-673635.
Held on : 07 – 20th March, 2023.
8. **Name :** Two-day Workshop for Faculties of Nearby Colleges Under the SERB Project Titled “Electromagnetic Solitons and Nonlinear Landau Damping in Plasmas”
Participated only
Venue : Visva Bharati University, India-731235.
Held on : 20 – 21st September, 2022.
9. **Name :** One Month UGC-Sponsored Faculty Induction Program (Gurudakshta)
Participated only
Venue : UGC-HRDC, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India-492010.
Held on : 12th January-17th February, 2022.
10. **Name :** International Workshop on Emerging Trends in Gravitation and Cosmology (online).
Participated only
Venue : Presidency University, Kolkata, West Bengal, India-700073.
Held on : 16 – 19th December, 2021.
11. **Name :** One Day State Level Webinar on Preliminary Concept of Cosmology and Modern Algebra.
Participated only
Venue : Dr. Meghnad Saha College, Itahar, Uttar Dinajpur, West Bengal, India-733128.
Held on : 24th June, 2021.
12. **Name :** One Week Online Faculty Development Programme (FDP) on Learning Management Systems and Open Educational Resources.
Participated only
Venue : Krishna Chandra College, Hetampur, Birbhum, West Bengal, India-733124.
Held on : 04 – 10th November, 2020.
13. **Name :** National Webinar on Some Important Topics on Geometry, Cryptography and Discrete Mathematics
Participated only
Venue : Dr. Meghnad Saha College, Itahar, Uttar Dinajpur, West Bengal, India-733128.
Held on : 22nd July, 2020.

14. **Name :** International Conference on Applied Mathematics and Computational Sciences 2019 (ICAMCS-2019).
Presented(oral) a paper : *“Cosmological matter creation phenomena and collapse dynamics of an astrophysical object.”*
Venue : Department of Mathematics, DIT University, Dehradun-248009.
Held on : 17 – 19th October, 2019.

15. **Name :** Prof. M. R. Gupta Memorial 3rd National Seminar 2019.
Presented(oral) a paper : *“Role of cosmological matter creation phenomena on the dynamics of a collapsing star.”*
Venue : Department of Mathematics, Jadavpur University, Kolkata-700032.
Held on : 6th August, 2019.

16. **Name :** National Seminar on Current Trends in Mathematics and its Applications (NSCTMA–2019)
Presented(oral) a paper : *“Some general prescription from universal thermodynamics in inhomogeneous LTB and KS-type model.”*
Venue : Department of Mathematics, Jadavpur University, Kolkata-700032.
Held on : 8th March, 2019.

17. **Name :** Prof M.R.Gupta Memorial 2nd National Seminar on 'Nonlinear and Complex Phenomena'.
Presented(oral) a paper : *“Some General Prescription from Unified First Law in Inhomogeneous FLRW type and LTB spacetime models”*
Venue : Department of Mathematics, Jadavpur University, Kolkata-700032.
Held on : 3rd August, 2018.

18. **Name :** International Conference on Mathematics and its Applications (ICMA–2018)
Presented(oral) a paper : *“Unified first law in inhomogeneous spacetime models: some general prescription.”*
Venue : The University of Burdwan, Burdwan-713104, West Bengal, India.
Held on : 15 – 17th February, 2018.

19. **Name :** International Conference on Mathematical Analysis and Application in Modeling (ICMAAM–2018)
Presented(oral) a paper : *“Some general prescription from unified first law and a redefinition of surface gravity.”*
Venue : Department of Mathematics, Jadavpur University, Kolkata-700032.
Held on : 09 – 12th January, 2018.

20. **Name :** National Workshop Entitled Celebrating Centenary of Einstein’s General Relativity–2017: Hundred Years With ‘ Λ ’ (CCEGR–2017)
Participated only
Venue : The University of Burdwan, Burdwan-713104, West Bengal, India.
Held on : 26th July – 01st August, 2017.

21. **Name** : Cimpa–India Research School on Geometric Flows.
Participated only
Venue : Department of Mathematics, Jadavpur University, Kolkata-700032.
Held on : 01 – 12th December, 2016.

22. **Name** : Celebrating the Centenary of Einstein’s General Relativity–2016: A Tribute to Karl Schwarzschild (CCEGR–2016)
Presented(oral) a talk : “*Comets: Interesting Facts about Icy Mud balls of Space.*”
Venue : Krishnagar Women’s College, Krishnanagar-741101, West Bengal, India.
Held on : 06 – 07th September, 2016.

Foreign

1. **Name** : 10th MATHEMATICAL PHYSICS MEETING: School and Conference on Modern Mathematical Physics.
Presented(oral) a paper : “*Role of particle creation mechanism on the collapse of a massive star.*”
Venue : Mathematical Institute, Serbian Academy of Sciences and Arts, Kneza Mihaila 36, Belgrade-11000, Serbia.
Held on : 9 – 14th September, 2019.

List of Publications

1. **S. Bhattacharjee** and S. Chakraborty, “*Cosmological solutions of the Israel-Stewart transport equation*”, *EPL* **128**, 69001(2019).
2. **S. Bhattacharjee** and S. Chakraborty, “*Unified first law in inhomogeneous and anisotropic spacetime models: Some general prescription*”, *Annals of Physics* **399**, 108(2018).
3. **S. Bhattacharjee** and S. Chakraborty, “*Universal Thermodynamics in the Context of Dynamical Black Hole*”, *Universe* **4**, no. 7, 76 (2018).
4. **S. Bhattacharjee**, S. Saha and S. Chakraborty, “*Does the particle creation mechanism favour the formation of a black hole or a naked singularity?*”, *Eur. Phys. J. C* **78**, 488 (2018).
5. S. Halder, **S. Bhattacharjee** and S. Chakraborty, “*Unified first law and some general prescription: a redefinition of surface gravity*”, *Eur. Phys. J. C* **77**, 604 (2017).