

## CURRICULUM VITAE

**NAME:** SOURAV HALDAR

**FATHER'S NAME:** (Late) TARAK NATH HALDAR

**MOTHER'S NAME:** PURABI HALDAR

**DATE OF BIRTH:** 07/01/1992

**Age:** 30 Years

**Gender :** Male

- **Marital status:** Unmarried
- **Nationality :** Indian
- **Full address for correspondence:** 18/C, G. T. Road, Godarbagan Bye Lane, P.O.- Chatra, P.S.- Serampore, Dist.-Hooghly, State- West Bengal, PIN- 712204, India.
- **Permanent Address:** 18/C, G. T. Road, Godarbagan Bye Lane, P.O.- Chatra, P.S.- Serampore, Dist.- Hooghly, State- West Bengal, PIN- 712204, India.
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**Mobile :** +91 9681307127  
+91 9123374492 (W)
- **Present Status:** Assistant Professor in Mathematics in Aghorekamini Prakashchandra Mahavidyalaya, Subhasnagar, Bengai, Hooghly.
- **Category:** General
- **Languages known:** Bengali, Hindi, English.

• **Academic Qualification (Undergraduate Onwards) :**

S.No.	Degree	Year of Passing	Subject/Topic	University/Institution	% of Marks	Grade/Division
1.	B.Sc.	2012	Mathematics (Hons.)	Jadavpur University	77.08	First Class
2.	M.Sc.	2014	Applied Mathematics	Jadavpur University	89.7	First Class Second Position
3.	Ph.D.	2015 onwards	Mathematical Physics (Theoretical Cosmology)	Jadavpur University	–	–

• **Educational Qualification (Secondary Onwards) :**

S.No	Degree	Year of Passing	Board	School/Institution	% of Marks	Grade/Division
1.	Secondary (Madhyamik)	2007	W.B.B.S.E.	Serampore Union Institution	89.0	First Division
2.	Higher Secondary (10+2)	2009	W.B.C.H.S.E.	Chatra Nandalal Institution	86.8	First Division

- **Ph.D thesis title:** “*Stability of Thermal Equilibrium in Universal Thermodynamics and non-singular model of the Universe*”
- **Name of Supervisor:** Prof. Subenoy Chakraborty
- **Institute/Organization/University:** Dept. of Mathematics, Jadavpur University, Kolkata-700032, West Bengal.
- **Year of Award:** Ph.D awarded on **28.02.2019**.
- **Professional Recognition/ Award/ Prize/ Certificate/ Fellowship received:**

Sl. No.	Name of Award	Awarding Agency	Year
1.	INSPIRE Scholarship	Department of Science and Technology, Govt. of India	2009 – 2012
2.	INSPIRE Scholarship	Department of Science and Technology, Govt. of India	2012 – 2014
3.	DST Purse Research Fellowship	Department of Science and Technology, Govt. of India	March, 2016 – August, 2016
4.	CSIR-UGC NET Junior Research Fellowship	Council of Scientific & Industrial Research & University Grant Commission, Govt. of India.	August, 2016 – February, 2019

• **Publications (List of papers published in SCI Journals, in year wise descending order):**

<i>Sl. No.</i>	<i>Title of Paper /Book</i>	<i>Authors</i>	<i>Name of the Journal</i>	<i>UGC Listed/ International</i>	<i>Volume and Year of Publication</i>
1.	Thermodynamics of the dissipative cosmic fluid and stability criteria	Pritikana Bhandari, <b>Sourav Haldar</b> and Subenoy Chakraborty	Eur. Phys. J. A	Yes	Page: 78, Vol:54, (2018)
2.	Tunnelling mechanism in non-commutative space with generalized uncertainty principle and Bohr-like black hole	<b>Sourav Haldar</b> , Christian Corda and Subenoy Chakraborty	Adv. High Energy Phys.	Yes	Page: 9851598, Vol: 2018, (2018)
3.	Interacting dark energy model and thermal stability	Pritikana Bhandari, <b>Sourav Haldar</b> and Subenoy Chakraborty	Eur. Phys. J. C	Yes	Page: 840, Vol: 77, (2017)
4.	Emergent Scenario in first and second order non-equilibrium thermodynamics and stability analysis	<b>Sourav Haldar</b> , Pritikana Bhandari and Subenoy Chakraborty	Annals of Phys.	Yes	Page: 203-212, Vol: 387, (2017)
5.	A thermodynamical analysis of the inhomogeneous FLRW type model: Redefined Bekenstein–Hawking system	<b>Sourav Haldar</b> , Pritikana Bhandari and Subenoy Chakraborty	Int. J. Geom. Meth. Mod. Phys.	Yes	Page: 1750159, Vol: 14, (2017)
6.	Unified first law and some general prescription: a redefinition of surface gravity	<b>Sourav Haldar</b> , Sudipto Bhattacharjee and Subenoy Chakraborty	Eur. Phys. J. C	Yes	Page: 604, Vol: 77, (2017)
7.	Formation of Emergent Universe in Brane Scenario as a Consequence of Particle Creation	Jibitesh Dutta, <b>Sourav Haldar</b> and Subenoy Chakraborty	Astrophys. Space Sci.	Yes	Page: 21, Vol:361, (2016)

- **Books/Reports/Chapters/General articles etc.:**

Article name: Discrete Phase Space, String-Like Phase Cells, and Relativistic Quantum Mechanics

Authors: Anadijiban Das and **Sourav Haldar**

DOI: 10.9734/PSIJ/2018/37354

- **Other Information:**

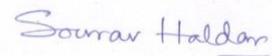
a) Delivered talks in three (03) National Conferences and four (04) International Conferences held across India.

<i>Sl. No.</i>	<i>Title of the Paper presented</i>	<i>Title of Conference / Seminar / Workshop</i>	<i>Organized by</i>	<i>Whether International / National/State/Regional/ University/College level</i>
1.	Clausius Relation from Unified First Law using Kodama Vector : A general Prescription	ICNDAO	Jadavpur University, December, 2015	International
2.	Emergent Scenario in first and second order non-equilibrium thermodynamics and stability analysis	CCEGR-2017	University of Burdwan, July-August, 2017	National
3.	Effect of Gravitational Lensing on Astrophysical Objects	CCEGR-2016	Krishnagar Women's College, September, 2016	National
4.	A Study of Emergent Scenario in non-equilibrium thermodynamics & stability analysis	ICMAAM	Jadavpur University, January, 2018	International
5.	A Thermodynamical analysis of the inhomogeneous FLRW type model : Redefined Bekenstein-Hawking system	ICMA	University of Burdwan, February, 2018	International
6.	Interacting dark energy model and its thermal stability	NSMS	University of Burdwan, January, 2020	National
7.	Redefinition of surface gravity from Unified first law	ICAACA	Jadavpur University, January, 2020	International

- b) Published a general research article titled “*Discrete Phase Space, String-Like Phase Cells, and Relativistic Quantum Mechanics*”, Anadijiban Das and **Sourav Haldar**, in *Physical Science International Journal*, 17(2): 1-18, 2018; Article no. PSIJ. 37354, **ISSN: 2348-0130**.  
DOI: 10.9734/PSIJ/2018/37354.
- c) Visited Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune during **March 8 to 28, 2015** for research purposes.
- d) Worked as Guest Lecturer in Department of Mathematics, Shri Shikshayatan College, Kolkata - 71 from **July 8, 2018 to July 3, 2019**.
- e) Worked as Full time Lecturer in Department of Mathematics, Shri Shikshayatan College, Kolkata - 71 from **July 4, 2019 to November 6, 2019**.
- f) Working as Assistant Professor in Department of Mathematics, Aghorekamini Prakashchandra Mahavidyalaya, Bengai, Goghat, Hooghly from **November 6, 2019 till date**.
- g) Working experience with Operating Systems: Linux, Windows.  
Computer and Programming Languages: Basic, C.  
Software Packages: LaTeX, MAPLE, MATHEMATICA.

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I certify that the information furnished above is true to the best of my knowledge and belief.



(Sourav Haldar)