

## CURRICULUM VITAE OF SAGAR BISWAS



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### Educational qualification

Name of Examination	Board/University	Year of passing	Marks
Secondary	C.B.S.E.	2004	83.4%
Higher Secondary	C.B.S.E.	2006	69%
B. Sc.	University of Burdwan	2009	71.1%
M.Sc.	IIT Kharagpur	2011	8.03 (cgpa)
PhD	IIT Kharagpur	2016	-

## Ph. D. Thesis

**Thesis title:** SEMICLASSICAL STRINGS IN SOME NON-LOCAL AND D-BRANE BACKGROUNDS .

**Area of work:** Semiclassical String Solutions.

**Thesis supervisor:** Prof. Kamal L. Panigrahi, Department of Physics, IIT Kharagpur, Kharagpur -721302, West Bengal, India.

**Place of work:** Department of Physics, IIT Kharagpur, West Bengal, India.

## Awards/Fellowships obtained

- CSIR (NET) Junior Research Fellowship, 2011
- Graduate Aptitude Test in Engineering (GATE), 2012

## Research Interests

Semiclassical String Solution, AdS/CFT Correspondence .

## Thesis Publications

1. Spiky Strings on NS5-branes  
*Sagar Biswas and Kamal L. Panigrahi*  
Phys.Lett. B **701**, 481 (2011) [arXiv:1103.6153 [hep-th]].
2. Spiky Strings on I-brane  
*Sagar Biswas and Kamal L. Panigrahi*  
JHEP **1208**, 044 (2012) [arXiv:1206.2539 [hep-th]].
3. Semiclassical Strings on Curved Branes  
*Sagar Biswas and Kamal L. Panigrahi*  
JHEP **1310**, 106 (2013) [arXiv:1307.4926 [hep-th]].
4. Semiclassical Strings in Supergravity PFT  
*Aritra Banerjee, Sagar Biswas and Kamal L. Panigrahi*  
Eur. Phys. J. C **74**, no. 10, 3115 (2014) [arXiv:1403.7358[hep-th]].
5. Rotating and Orbiting Strings in Dp-brane background  
*Sagar Biswas and Kamal L. Panigrahi*  
JHEP **1503**, 020 (2015) [arXiv:1412.6941 [hep-th]].

## Other Publications

1. D1 string dynamics in curved backgrounds with fluxes  
*Aritra Banerjee, Sagar Biswas and Rashmi R. Nayak*  
JHEP **1604**, 172 (2016) [arXiv:1601.06360 [hep-th]].

## Seminar/Workshop Organized

1. *Organized a UGC sponsored National Level Seminar on*  
**“String Theory: The Present and The Future”**  
September 16-17, 2016, at Department of Physics, RKM Vidyamandira  
Belur Math, Belur, Howrah, W.B.