




# Government Autonomous College, Rourkela

## Faculty Profile

<b>Name</b>	DR. SATYABRATA SATPATHY	
<b>Designation</b>	Assistant Professor	
<b>Department</b>	Physics	
<b>Address (Office)</b>	Government Autonomous College, Rourkela	
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### Qualifications

Degree	Institution	Year	Subject Details
BSc.	G.M. (Auto) College, Sambalpur	2006	Physics, Mathematics
MSc.	NIT Rourkela	2008	Physics
Ph.D	NIT Rourkela	2018	Physics

### Areas of Interest/ Specialization

Nonlinear Dynamics

### Teaching/Research Experience

Organization/Institution	Designation	Duration	Role
Government Engineering College, Banswara, Rajasthan	Assistant Professor (TEQIP)	1 Year	
Larambha College, Larambha	Lecturer	3 Year	

### Course Taught

**UG:** Mathematical Physics – I, II, & III, Mechanics, Electricity & Magnetism, Thermal Physics, Classical Dynamics, Electromagnetic Theory

**PG:** Quantum Mechanics & Advanced Quantum Mechanics

### Research Papers:

1. Satyabrata Satpathy and Biplab Ganguli, "Transition to complete synchronization of two diffusively coupled chaotic parametrically excited pendula", Nonlinear Dynamics, 88, 2063 - 2069, (2017).

### Paper Presented in Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc. [In Detail]

1) Satyabrata Satpathy and Biplab Ganguli, "Synchronization in master-slave chaotic parametrically excited pendula", Poster presented in 4th international conference on Complex Dynamical Systems and Applications, NIT Durgapur India (2016).

**Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc. Attended [In Detail]**

1) March 20–21, 2009, Workshop on Non-Linear Electronics and Spintronics, Bharathidasan University Trichy, India.

2) December 8 – 24, 2009, SERC School on Non-Linear Dynamics, Delhi University, India

3) July 4 – 8, 2011, National Workshop on Nonlinear Dynamical Systems, NIT Durgapur, India

4) December 4–24, 2011, SERC School on Non-Linear Dynamics, IISER Pune, India

5) February 20–24, 2012, Workshop on Social Networks, IMSc Chennai & IIT Madras, India.

6) February 15 – 17, 2016, International Conference on Complex Dynamical Systems & Applications, NIT Durgapur, India

**Memberships of Professional Bodies/Societies**

1) Life Member of Odisha Physical Society

2) Member of “GO GREEN CLUB”

**Honors and Awards if any**

1) Qualified GATE 2009

2) Qualified GATE 2011

3) Qualified CSIR-UGC NET-LS