




**SARAT CENTENARY COLLEGE, DHANIAKHALI, HOOGHLY, WB**  
**TEACHER PROFILE**



<b>NAME:</b> DR. BIDYUT SANTRA	
<b>DESIGNATION:</b> ASSISTANT PROFESSOR	
<b>DEPARTMENT:</b> MATHEMATICS	
<b>ACADEMIC QUALIFICATIONS:</b> M.SC(APPLIED MATH.), PH.D(APPLIED MATH.)	
<b>CONTACT INFO.:</b> bidyuts@sccollegednk.ac.in	

<b>DATE OF JOINING</b>	25-02-2015
<b>SPECIALIZATION</b>	Advanced Computer Science and Cybernetics(M.Sc), Fluid Mechanics (Ph.D)
<b>TEACHING INTEREST</b>	Real Analysis, Algebra, Numerical Analysis, Computer Programming, LPP
<b>TEACHING EXPERIENCE</b>	18 Years; Earlier worked as Lecturer/Assistant Professor in Jangipur College, Murshidabad (2002-2015)
<b>AWARD/ FELLOWSHIP</b>	JRF(ISI, Kolkata), Teacher Fellowship(UGC), BOYSCAST Fellowship(DST)
<b>MEMBERSHIP</b>	Life Member: Indian Statistical Institute- Council, Kolkata

**RESEARCH INTEREST:** Thin film flow, Hydrodynamic Stability, Mathematical Modeling, Droplet spreading, Numerical Simulation

**RESEARCH EXPERIENCE:** (i) Worked as JRF & Teacher Fellow in PAMU, ISI, Kolkata during 2001-2002 and 2006-2007 respectively (ii) Worked as a BOYSCAST fellow in Laboratoire FAST, Campus Universitaire (University Paris-Sud), France during 2010-2011

<b>SEMINAR/ WORKSHOP PARTICIPATION</b>	<b>PRESENTED PAPER</b>		<b>ATTENDED</b>		<b>CHAired SESSION</b>	
	<b>NATIONAL</b>	<b>INTERNATIONAL</b>	<b>NATIONAL</b>	<b>INTERNATIONAL</b>	<b>NATIONAL</b>	<b>INTERNATIONAL</b>
<b>PARTICIPATION</b>	03	02	12	04	Nil	01
<b>PUBLICATION</b>	<b>JOURNAL ARTICLES</b>			<b>BOOK/BOOK CHAPTERS</b>		
	09			Nil		

- SELECTED PUBLICATIONS:**
- (1) **Thermocapillarity in a liquid film on an unsteady stretching surface**, *Int. J. Heat Mass Trans.* 46 (2003) 3009-3015.
  - (2) **Thermal effects on film development during spin coating**, *Physics of fluids*, 17 (2005) 062102 1-6.
  - (3) **Gravity-driven film flow with variable physical properties**, *Physics of Fluids*, 18 (2006) 083602 1-6.
  - (4) **The effects of variable fluid properties and Thermocapillarity on the flow of a thin film on an unsteady stretching sheet**, *Int. J. Heat Mass Trans.* 50 (2007) 991-996.
  - (5) **Axisymmetric stagnation- point flow over a lubricated Surface**, *Acta Mechanica*, 194 (2007) 1-10.
  - (6) **Thin-film flow over a nonlinear stretching sheet**, *Z. angew. Math. Phys. (ZAMP)*, 60 (2009) 688-700.
  - (7) **Unsteady thin-film flow over a heated stretching sheet**, *Int. J. Heat Mass Trans.*, 52 (2009) 1965-1970.
  - (8) **Thin film flow over a non-linear stretching sheet in presence of uniform transverse magnetic field**, *Z. angew. Math. Phys. (ZAMP)*, 61 (2010) 685-695.

**RESEARCH PROJECT/COLLABORATION/GUIDANCE:** Completed one UGC sponsored Minor Research Project

**ANY OTHER INFORMATION/ADDITIONAL RESPONSIBILITY:** Convener, Academic Council; Member, IQAC, Sarat Centenary College