



BARASAT GOVERNMENT COLLEGE

BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR AJITA SENGUPTA, DEPARTMENT OF PHYSICS

- **DESIGNATION** : Associate Professor
- **QUALIFICATION** : M.Sc., Ph.D.
- **DATE OF JOINING THE SERVICE** : Jun 30, 1999
- **DATE OF JOINING THE INSTITUTION** : Jun 8, 2015
- **ADDRESS FOR COMMUNICATION** : 17, ELLORA ROAD, SANTOSHPUR, KOLKATA-700075
- **PHONE NO** : 9433206328
- **EMAIL ADDRESS** : ajitabethune@rediffmail.com
- **SPECIALIZATION** : solid state physics
- **TEACHING EXPERIENCE** : PG: six Years
UG : 22 Years
- **COLLEGE SERVED** : (1) Durgapur Govt. College (30/06/1999 to 23/02/2004)
(2) Bethune College (24/02/2004 to 08/06/2015)
(3) Bethune College (08/06/2015 till date)

➤ ACADEMIC AND ADMINISTRATIVE EXPERIENCE	: HEADSHIP FOR THE TUNURE OF 4 YEARS IN BETHUNE COLLEGE, conducted national level examination for Physics(IAPT), acted as question setter in different examinations conducted by WBPS and National Test Agency . Acted as a member of fellowship screening committee in DAE run institute.
➤ TOPICS TAUGHT	: PG : Mathematical Methods., LASER Physics, UG: Mathematical methods, waves and oscillations, Nuclear Physics, Quantum Mechanics
➤ AREA OF RESEARCH & INTEREST	: Magnetic and electrical properties of solids
➤ ONGOING PROJECT DETAILS	: None
➤ AWARD RECEIVED	: None
➤ PATENT DETAILS	: None
➤ EXTRACURRICULAR ACTIVITIES	: None
➤ CAREER PROFILE	: UG : B.Sc - 1983 (C.U) PG: M.Sc - 1985 (C.U) P.hD; !992 (conducted research by UGC grant) IACS, JU Research Associate (funded by UGC), IACS Published paper -12. Presented papers in national and International level of Conferences and symposia
➤ ACADEMIC LINK	: None

PUBLICATION

JOURNAL PUBLICATION :

- (1) A. Sengupta et al., 'Measurement of Magnetic Susceptibility and their anisotropies in Tm³⁺ pyrogermanate crystal.', Solid State Communication (<https://www.sciencedirect.com/journal/solid-state-communications>), August, 1988, ISSN / eISSN: 0038-1098 / 1879-2766
- (2) A. Sengupta et al., 'Nuclear Hyperfine Effects in Thulium Pyrogermanate Crystal', Physics Letters A (<https://www.sciencedirect.com/journal/physics-letters-a>), 32752, ISSN / eISSN: 0375-9601 / 1873-2429
- (3) A. Sengupta et al., 'Importance of Magnetically Derived Crystal Field Parameters in Estimation of Some Properties of Dy₂Ge₂O₇', Physical Review B, April, 1993, ISSN / eISSN: 2469-9950 / 2469-9969
- (4) A. Sengupta et al., 'Hyperfine Interactions of ¹⁶²Dy in Disprosium Pyrogermanate At Low Temperature', Journal of Physics and Chemistry of Solids, January, 1995, ISSN / eISSN: 0022-3697 / 1879-2553
- (5) A. Sengupta et al., 'Crystal field studies on magnetic and nuclear properties of Yb₂Ti₂O₇', Journal of Physics and Chemistry of Solids, March, 1999, ISSN / eISSN: 0022-3697 / 1879-2553



BOOK PUBLICATION

: