

Dr. KAKALI BANDYOPADHYAY

Associate Professor,
Department of Physics,
Asansol Girls' College,
Asansol – 713304,
India

E-mail : kakali_agc@rediffmail.com



Academic History

- : Ph.D (Burdwan University)
M.Sc (GOLD MEDAL), Burdwan University

National/State level Examinations Qualified

- : UGC-CSIR NET (1996)
SLET (1996)
GATE(1996)

Title of Ph. D Thesis

- : “Some approximation methods based on entropies and moments with physical applications”.

Research Experience

- : Junior Research Fellow(CSIR) from August 1997 to July, 1999.
Senior Research Fellow(CSIR) from August, 1999 to 19.12.1999. Continued research after joining Asansol Girls' college as a Lecturer in Physics on 20th Dec, 1999.

Publications

- : No. of publications – 07 in Referred Journals.

Teaching Experience

- : 19+ years at Asansol Girls' College, Asansol.

Interested Areas of Teaching

- : Electrodynamics, Nuclear Physics, Quantum Physics.

Address for communication

- : Department of Physics, Asansol Girls' College, Asansol,
Dist – Paschim Bardhamaan, West Bengal, Pin -713304.

Research Publications

1. Maximum entropy and the problem of moments : A stable algorithm, **K. Bandyopadhyay**, A. K. Bhattacharya, Parthapratim Biswas and D. A. Drabold, **Phys. Rev. E** 71, 057701(2005).
2. A near-exact self-consistent scheme for stationary states, **K. Bandyopadhyay**, K. Bhattacharyya and A. K. Bhattacharya, **Physics Letters A** 314, 88 (2003).
3. A moment-based approach for stationary states, **K. Bandyopadhyay** and A. K. Bhattacharya, **Physics Teacher**, Vol. 44, No. 1 & 2, January-June (2002).
4. Exploiting the interdependence of maximum entropy parameters in eigenvalue problems, **K. Bandyopadhyay**, K. Bhattacharyya and A. K. Bhattacharya, **Int. J. Quant. Chem.**, 88, 691(2002).

5. Maximum-entropy principle with moment recursion relations as constraints, **K. Bandyopadhyay**, K. Bhattacharyya and A. K. Bhattacharya, **Phys. Rev. A** 63, 064101(2001).
6. The maximum entropy principle and Schrodinger eigenvalue problems, **K. Bandyopadhyay**, K. Bhattacharyya and A. K. Bhattacharya, **Ind. J. Phys. B** 75, 29 (2001).
7. On some problems of the maximum entropy ansatz, **K. Bandyopadhyay**, K. Bhattacharya and A. K. Bhattacharya, **Pramana – J. Phys.** 54, 365 (2000).

Conference proceedings:

1. **“Vivekanander Jateeyatabaad”** published in the proceedings of UGC sponsored National Level Seminar on “Vivekananda’s Philosophy of Nationalism – a Review in 21st Century” organized by the Department of Political Science, Asansol Girls’ College, Asansol, in collaboration with Ramakrishna Mission Ashrama, Asansol on 24th and 25th September, 2013.
2. **“Greenhouse Effect : a Threat to Human Rights”** published in the proceedings of UGC sponsored National Level Seminar on “Human Rights and Human Development” organized by Department of Political Science, Asansol Girls’ College, Asansol, in collaboration with The Legal AID and Advance Society, West Bengal on 6th and 7th September, 2011.

Presented papers in Seminar/Workshop/Conference:

1. **“Vartaman Yuge Vedanter Prasongikata”** in the UGC sponsored National Seminar on Relevance of Vedanta in Present Scenario, organized by The Department of Sanskrit, Asansol Girls’ College, Asansol, in collaboration with T.D.B. College, Raniganj, W.B., on 13th-14th Jan., 2017.
2. **“Looking for some initiatives to upgrade the standard of education in colleges in India”** in the NAAC sponsored National Conference on “ Role of Stakeholders in Imparting Quality Higher Education”, in Banwarilal Bhalotia College, Asansol, during 19-20 March, 2013.
3. **“Looking for some methods for improving quality in undergraduate level of study”** in the NAAC sponsored National Level Seminar cum Workshop on “Improvement of Quality of Higher Education in Colleges through Management of Curricula, Innovations in Teaching-Learning Process and Role of IQAC”, organized by Suri Vidyasagar College, in collaboration with QAC, WBSCH, on 23rd and 24th Nov., 2008.