

Dr. ABHIJIT SEN:

(Date of Joining: August 23, 2002)



Dr. Abhijit Sen, an Assistant Professor in Physics at Suri Vidyasagar College, obtained his Masters Degree in 1997 from Viswa Bharati University and his PhD degree from Jadavpur University in 2009. Since Aug. 23, 2002 he joined Suri Vidyasagar College. Till date he has about 27 publications ranging from International Journals to National and Regional Journals. The subject matter ranges from Physics and Mathematics to Philosophy, Earth Science, Environmental Science and General Science.

He is also involved in moderation and paper setting for the under-graduate examinations of the University. He is also member of the various committees and subcommittees of the College, including Computer Committee, Seminar subcommittees etc.

LIST OF PUBLICATIONS, CONFERENCE AND BOOKS EDITED/PUBLISHED:

Dr. ABHIJIT SEN:

[Chronologically ordered]

M: Mathematics

P : Physics

O: Other Subjects/ Multi-disciplinary Topics

g: General Articles (General Article, not Research Publication)

1. /M1] “Trisection of an angle: An approximate geometrical method, Abhijit Sen & Subhranil De, Bona Mathematica Page:116-118, Dec. 1991

2. /M2] “Squaring of a circle: A Geometric Approach”, Abhijit Sen, Bona Mathematica, Page:105-106, Sept.-Dec. 1994

3 /M3] “The Generalised Gamow-Stern Problem”, Subhranil De & Abhijit Sen, The Mathematical Gazette, Vol. 80, No. 488, 345-348, July 1996

4 /P1] “Hadronic modes in the quark plasma with an internal symmetry”, Munshi Golam Mustafa, Abhijit Sen & Lina Paria, <http://www.arXiv.org/nucl-th/9808063>, Eur. Phys. J, C 11, 729-732 (1999)

- 5 /M4] “A Computational Algorithm for $\pi(N)$ ”, Abhijit Sen & Satyabrata Adhikari,<http://www.arXiv.org/math.GM/0109114>
- 6 /P2] “Evolution of Strangeness in an equilibrating and expanding quark-gluon plasma”, Dipali Pal, Abhijit Sen, Munshi Golam Mustafa & Dinesh Kumar Srivastava,
<http://www.arXiv.org/nucl-th/0105032>, Phys. Rev., C65, 034901, March 2002
- 7 /P3] “The extent of strangeness equilibration in quark- gluon plasma”, Dipali Pal, Abhijit Sen, Munshi Golam Mustafa & Dinesh Kumar Srivastava, <http://www.arXiv.org/nucl-th/0202017>, Pramana, Vol. 60, No.5, 1083-1087, May 2003
- 8 /M5] “An extension of Fermat’s Factorisation and a simple primality test”, Satyabrata Adhikari & Abhijit Sen,<http://www.arXiv.org/math.GM/0202269>
- 9 /P4] “Parton Equilibration in Relativistic Heavy Ion Collisions”, Abhijit Sen, Rev. Bull. Cal. Math. Soc. 11 (1&2) 39-44 (2003)
- 10/O1/g] “Are Earthquakes Predictable?” Abhijit Sen. Recent Development of Disaster Management, Ed. Amiya Kr. Ghosh & Sabyasachi Raychaudhury, Progressive Publishers, 2007, ISBN: 81-8064-137-6
- 11/P5] “Parton Equilibration Enforcing Baryon Number Conservation”, Abhijit Sen,<http://www.arXiv.org/nucl-th/0710.0209>
- 12/P6] “Chemical Equilibration of QGP Enforcing Baryon Number Conservation”, Abhijit Sen,<http://www.arXiv.org/0802.3743> [Poster Presented at Quark Matter 2008]
- 13/O2/g] “A Brief Review of Precursory Signals of Impending Earthquakes”, Abhijit Sen, Indian Science Cruiser, 22 (no.1) 45 (2008)
- 14/P7] “Flavour Equilibration Studies of Quark Gluon Plasma with Non-zero Baryon Density”, Abhijit Sen, Pramana, 73 (no.6) 1041 (2009)
- 15/P8] “ Chemical Equilibration of QGP enforcing Baryon Number Conservation”, Abhijit Sen, Indian Journal of Physics 85(no. 6)781(2011)
- 16/O3/g] “ Global Warming and Reflections on Water Budget”, Global Warming & Climate Change: Issues and Challenges, Ashadeep Publishers, 2011, ISBN: 978-93-81245-08-8
- 17/M6/g] “Vectors”, Encyclopedia of Mathematics and Society, Salem Press, USA, 2011, ISBN: 978-1-58765-844-0
- 18/P9] “Solving Linear Differential Equations: A Novel Approach”, N.Gurappa, Abhijit Sen, Rajneesh Atre, Prasanta K. Panigrahi, <http://www.arXiv.org/1205.0385>

Published with title: "Who is Afraid of Special Functions and Orthogonal Polynomials in Quantum Mechanics", Abhijit Sen , N.Gurappa , Rajneesh Atre, Prasanta K. Panigrahi, Physics Education, Vol.28, No.4, Article 3, Oct-Dec 2012, ISSN 0970-5953

19/M7]"Quasi-Exact Solvability and Deformations of $Sl(2)$ Algebra", Arunesh Roy, Abhijit Sen , Prasanta K Panigrahi, <http://www.arXiv.org/1304.2225>

20/P10]" A New Approach To Single Particle Oscillation Dynamics", Abhijit Sen, Indian Science Cruiser 28(1),44(2014)

21/O3/g] "Looking At Times Just After Creation", Abhijit Sen, The Contour , Vol.1, Issue 3,76(2015), ISSN: 2349-6398

22/M8] " A New Operator Approach To Hermite Differential Equation", Abhijit Sen & Arunesh Roy, SVC International Journal of Research 1(1) 47 (2015)

23/O4] "The Measurement of Time as in Sreemad Bhagabatam", Abhijit Sen & Dinesh Kumar Das, The Contour, Vol. II, Issue 1(2015)36

24/O5] "The Hindu Philosophical and Scientific views of "Padartha" (Matter): A Comparative Study", Dinesh Kumar Das & Abhijit Sen, The Contour, Vol. II, Issue 2(2015)10, ISSN: 2349-6398

25/O6/g]" The Time Paradox", Abhijit Sen, The Contour, Vol.3, No.1,52(2016), ISSN: 2349-6398

26/O7/g]"E-Waste Generation and Management: A Rapid Growing Global Problem", Abhijit Sen & Dipsikha Dasgupta, Emerging Issues in Inter- and Intra- Disciplinary Studies: An Indian Perspective, Ed. Susanta Kumar Bardhan et. al., Radh Prakashan, 2016, ISBN: 978-93-83422-10-4

27/O8/g]" E-Waste: An Impending Calamity for India"(In Bengali), Abhijit Sen & Dipsikha Dasgupta, Abhimukh Vol.III, Issue II,(2016)120 ,ISSN: 2349-4107

28/O9]"The Apparent Motion of The Sun: The Views of Sreemad Bhagabatam Analyzed", Abhijit Sen & Dinesh Kumar Das, The Contour, Vol.3, Issue 2,55(2016), ISSN: 2349-6398

29/O10] "Exploring True Knowledge from a Scientific and Philosophical Standpoint"

Dinesh Kumar Das & Abhijit Sen, Sanskrit Vimarsah, Vol. 20, 176(2002)

ISSN: 0975-1769

CONFERENCES/WORKSHOP ATTENDED

1. International Symposium On Pure and Applied Mathematics, Abhijit Sen, Calcutta Mathematical Society, Dec. 14-16, 2002

Paper Presented: "Parton Equilibration in Relativistic Heavy Ion Collisions"

2. UGC sponsored National Seminar on "Recent Development In Disaster Management: An Indian Perspective", Abhijit Sen, Suri Vidyasagar College, Nov. 24-25, 2006

Paper Presented: Are Earthquakes Predictable?

3. Quark Matter 2008, 20th International Conference on Ultra- Relativistic Nucleus Nucleus Collisions, Abhijit Sen, Feb. 4-10, 2008

Paper Presented: Chemical equilibration of QGP enforcing baryon number conservation

4. NAAC sponsored National 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", Suri Vidyasagar College, Nov. 23-24, 2008

5. National Seminar On "New Era In Nuclear And Particle Physics", Dept. of Physics, The University of Burdwan, Nov. 28-29, 2008

6. UGC sponsored National Seminar on "Global Warming and Climate Change: Issues and Challenges of 21st Century India", Abhijit Sen, Suri Vidyasagar College, Nov. 20-21, 2010

Paper Presented: "Global Warming and Reflections on Water Budget"

7. UGC sponsored Workshop/Motivation Camp on "Enhancement of Initiative for Competence Building", Suri Vidyasagar College, March 16-17, 2013

8. UGC sponsored National Level Seminar on " XII Plan Perspectives of Higher Education", Umesh Chandra College, Dec. 7, 2013

9. UGC sponsored Workshop/Motivation Camp on "Enhancement of Initiative for Competence Building on Teaching-Learning and Evaluation", Suri Vidyasagar College, June 22, 2014.

10. International Workshop On "Climate Change and Emerging Issues", Visva Bharati, March 14-15, 2015

11. UGC sponsored Workshop/Motivation Camp on "Enhancement of Initiative for Competence Building on Career Advancement Scheme", Suri Vidyasagar College, May 4, 2015

12. UGC sponsored National Seminar on "Emerging Issues in Inter-& Intra- Disciplinary Studies: An Indian Perspective", Abhijit Sen & Dipsikha Dasgupta, Suri Vidyasagar College, March 4-5, 2016.

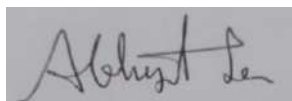
Paper Presented: "E-Waste Generation & Management: A Rapid Growing Global Problem"

ORIENTATION PROGRAMME/REFRESHERS COURSE:

1. 68th Orientation Programme, Academic Staff College, The University of Burdwan, December 13, 2008-January 09, 2009
2. 1st Refreshers Course in Nanoscience, Nanotechnology and Applications, Academic Staff College, The University of Burdwan, June 11-July 1, 2014
3. 1st Refresher Course in Electronics and Computer Science, Academic Staff College, The University of Burdwan, July 4-24, 2017

BOOKS EDITED

1. Quality in Higher Education: Issues and Challenges, Ashadeep Publishing, Kolkata, March 2009 (ISBN: 978-81-908230-6)
2. Global Warming and Climate Change: Issues and Challenges, Ashadeep Publishing, November 2011 (ISBN: 978-93-81245-08-8)
2. Emerging Issues in Inter- and Intra-Disciplinary Studies: An Indian Perspective, Rardh Prakashan, Suri, March 2016 (ISBN: 978-93-83422-10-4)



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